Geotrek Documentation

Release 2.41.0

Makina Corpus

Nov 25, 2020

User manual

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18 Indices and tables **151**

Contents:

CHAPTER 1

USER MANUAL

1.1 Screencasts

(**In French**)

- Présentation de l'interface :
- Création d'un itinéraire :
- Création d'un POI :
- Ajout de photos :
- Administration :

1.2 Modules

Geotrek est composé de différents modules.

Gestion des sentiers :

- Tronçons (linéaire entre 2 intersections)
- Sentiers (groupe de tronçons)
- Statuts (physique, foncier, organismes ayant la compétence sentiers, gestionnaires des travaux et de la signalétique)
- Aménagements (ouvrages et équipements)
- Signalétique
- Interventions (travaux)
- Chantiers (groupe d'interventions)

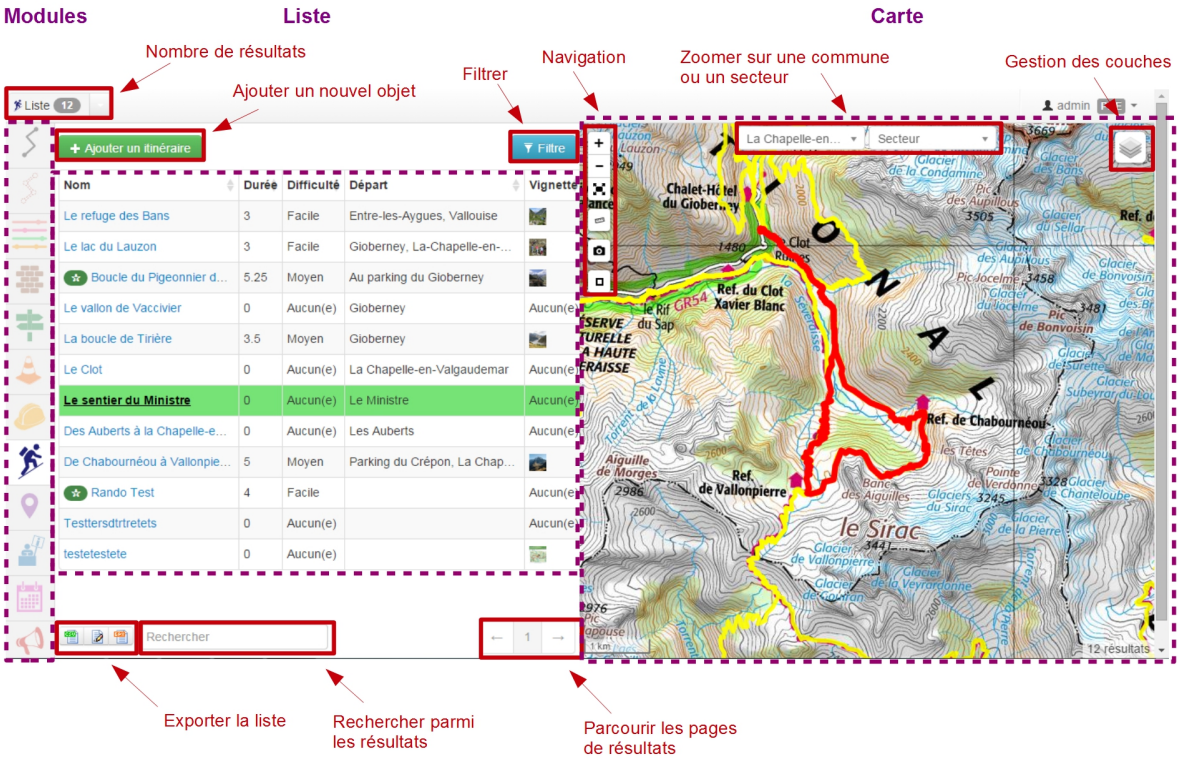
Valorisation de l'offre touristique :

- Itinéraires (randonnées)
- POI (points d'intérêt patrimoniaux)
- Services (informations pratiques comme les points d'eau, passages délicats… selon la typologie que vous souhaitez)
- Contenus touristiques (hébergements, restaurants, services, activités de pleine nature, musées, produits labellisés… Vous pouvez créer les catégories que vous souhaitez)
- Evènements touristiques (animations, expositions, sorties…)
- Signalements (problèmes signalés par les internautes sur un itinéraire depuis Geotrek-rando)
- Zones de sensibilité (module non activé par défaut permettant de gérer des zones de sensibilité de la faune sauvage pour les afficher sur Geotrek-rando ou les diffuser avec l'API de Geotrek-admin)

Chaque module est accessible depuis le bandeau vertical.

Tous les modules sont construits de la même façon :

- une liste paginée des objets du module
- la possibilité de filtrer la liste ou de faire une recherche libre
- la possibilité d'exporter les résultats en CSV (pour EXCEL ou CALC), en SHAPEFILE (pour QGIS ou ArcGIS) et en GPX (pour l'importer dans un GPS)
- une carte dans laquelle il est possible de naviguer (déplacer, zoomer), d'afficher en plein écran, de mesurer une longueur, d'exporter une image de la carte, de réinitialiser l'étendue, de zommer sur une commune ou un secteur et de choisir les couches à afficher



Au survol d'un objet dans la liste, celui-ci est mis en surbrillance sur la carte.

Au survol d'un objet sur la carte, celui-ci est mis en évidence dans la liste.

La liste des résultats est filtrée en fonction de l'étendue de la carte affichée.

C'est aussi depuis un module qu'il est possible d'ajouter de nouveaux objets.

Un clic sur un objet dans la liste ou la carte permet d'accéder à la fiche détaillée de celui-ci.

1.3 Fiches détails

A partir de chaque module, il est possible d'afficher la fiche détail d'un objet en cliquant sur celui-ci dans la liste ou la carte du module. Les objets de chaque module peuvent ainsi être affichés individuellement dans une fiche détail pour en consulter tous les attributs, tous les objets des autres modules qui intersectent l'objet, les fichiers qui y sont attachés et l'historique des modifications de l'objet.

Depuis la fiche détail d'un objet, il est aussi possible d'exporter celui-ci au format ODT, DOC ou PDF.

Selon les droits dont dispose l'utilisateur connecté, il peut alors modifier l'objet.

1.4 Edition d'un objet

Segmentation dynamique :

Tous les objets sont saisis et stockés relativement aux tronçons, en utilisant la segmentation dynamique (https://makina-corpus.com/blog/metier/2014/la-segmentation-dynamique), sauf les évènements et contenus touristiques, les services et les signalements qui sont indépendants et ont leur propre géométrie.

C'est pourquoi, modifier un tronçon peut entrainer des modifications des objets qui lui sont rattachés (signalétique, interventions, itinéraires, POIs...). Supprimer un tronçon, supprime les objets qui lui sont rattachés.

Les éléments ponctuels et linéaires des différents modules sont stockés sous forme d'évènements (PKdebut, PKfin et décalage dans la table `geotrek.core_topology`) liés à un ou plusieurs tronçons (`geotrek.core_pathaggregation`).

Un objet peut ainsi être associé à un ou plusieurs tronçons, partiellement ou entièrement.

Les objets ponctuels ne sont associés qu'à un seul tronçon, sauf dans le cas où ils sont positionnés à une intersection de tronçons.

Chaque évènement dispose néanmoins d'une géométrie calculée à partir de leur segmentation dynamique pour faciliter leur affichage dans Geotrek ou dans QGIS. Il ne faut néanmoins pas modifier directement ces géométries, elles sont calculées automatiquement quand on modifie l'évènement d'un objet.

A noter aussi que des vues dans les différents schémas permettent d'accéder aux objets de manière plus lisibles et simplifiée (`gestion.m_v_interventions` par exemple).

Snapping - Aimantage - Accrochage :

Quand vous créez un objet, il est possible de le snapper (aimanter) aux objets existants. C'est notamment utile pour bien raccorder les tronçons entre eux. Quand vous raccrochez un tronçon à un tronçon existant, ce dernier est coupé automatiquement à la nouvelle intersection.

Les fonctions d'aimantage ne sont pas disponibles lors de la création d'un nouvel objet (linéraire ou ponctuel). Il faut commencer par le créer sur puis le modifier pour disposer des fonctionnalités d'aimantage, activé automatiquement lorsque l'on se rapproche d'un objet existant. Par défaut la distance d'imantage est de 30 pixels mais elle est modifiable en configuration avancée.

Itinérance :

Il est possible de créer des randonnées itinérantes (sur plusieurs jours) et d'y associer des étapes comme sur cet exemple : http://www.grand-tour-ecrins.fr/a-pied/tour-de-la-berarde/.

Pour cela il faut créer un itinéraire parent (séjour itinérant complet) puis y ajouter des itinéraires enfants (étapes) de manière ordonnée, dans le champs *Enfants* présent dans l'onglet *Avancé* du formulaire itinéraire du séjour complet.

Le séjour complet ainsi que chaque sont donc chacunes des randonnées comme les autres. La seule différence est que les étapes (itinéraires enfants) sont rattachées à l'itinéraire parent.

Si vous ne souhaitez pas que les étapes soient affichées dans la page de Recherche de Geotrek-rando, il ne faut pas les publier. Il suffit alors de publier l'itinéraire parent, pour que toutes les étapes qui y sont rattachées apparaissent uniquement dans sa fiche détail de Geotrek-rando.

1.5 Gestion des sentiers

Geotrek-admin comporte un certain nombre de modules de gestion des sentiers (tronçons, sentiers, statuts, aménagements, signalétique, interventions et chantiers).

Les tronçons sont les éléments de base sur lesquels s'appuient l'ensemble des objets des autres modules, en utilisant la segmentation dynamique (https://makina-corpus.com/blog/metier/2014/la-segmentation-dynamique).

Les modules signalétique et aménagement ont initialement été conçus dans une logique d'inventaire avec des possibilités de description basiques et génériques. Pour tout complément, il est possible d'attacher un ou plusieurs fichiers joints à chaque objet (photos, PDF, tableurs...).

Les modules interventions et chantiers ont été conçus de façon à permettre à la fois un inventaire et un suivi des travaux (prévisionnel, administratif et financier).

En termes de structuration, le choix initial a été de concevoir, sur le volet gestion, la gestion des valeurs des listes déroulantes structure par structure pour que chaque structure travaillant sur une même Geotrek-admin puisse avoir des typologies différentes (types de signalétique, d'aménagements, d'organismes...). Néanmoins depuis la version 2.20 de Geotrek-admin, il est possible de partager des typologies entre les différentes structures en ne renseignant pas ce champs.

Lors de la saisie d'un objet sur la carte, il est possible d'afficher une couche SIG ou un relevé GPX sur la carte lors de la création d'un objet sur la carte pour pouvoir le visualiser et le localiser sur la carte (`Charger un fichier local (GPX, KML, GeoJSON)`).

Les tronçons :

C'est le socle essentiel et central de Geotrek. Un tronçon est un objet linéaire, entre 2 intersections. Le mécanisme de ségmentation dynamique permet de ne pas devoir le recouper pour y rattacher des informations.

Il peuvent être numérisés dans Geotrek-admin, mais il est conseillé des les importer, directement en SQL dans la base de données ou depuis QGIS (https://makina-corpus.com/blog/metier/2014/importer-une-couche-de-troncons-dans-geotrek).

Si ils sont numérisés directement dans Geotrek-admin, il est possible d'afficher sur la carte un fichier GPX ou GeoJSON pour faciliter leur localisation.

Quand un nouveau tronçon intersecte un tronçon existant, ce dernier est découpé automatiquement à la nouvelle intersection.

En plus de leur géométrie, quelques informations peuvent être associées à chaque tronçon (nom, départ, arrivée, confort, source, enjeu d'entretien, usage et réseaux).

Comme pour les autres objets, les informations altimétriques sont calculées automatiquement grace au MNT présent dans la base de données.

Idem pour les intersections automatiques avec les zonages (communes, secteurs, zonages réglementaires) et les objets des autres modules qui sont intersectés automatiquement à chaque ajout ou modification d'un objet.

Comme pour tous les modules, il est possible d'exporter la liste des tronçons affichés (CSV, SHP ou GPX) ou bien la fiche complète d'un tronçon (ODT, DOC ou PDF).

Comme pour tous les modules, il est aussi possible d'attacher des documents à chaque tronçon depuis sa fiche détail (images, PDF, tableurs, ZIP...).

Enfin, toujours depuis la fiche détail d'un tronçon, il est possible d'en afficher l'historique des modifications.

Les sentiers :

Il s'agit d'un ensemble linéaire composés d'un ou plusieurs tronçons (entiers ou partiels) grâce à la segmentation dynamique.

Les sentiers permettent d'avoir une vision de gestionnaire sur un linéaire plus complet que les tronçons (qui sont découpés à chaque intersection) pour en connaitre les statuts, la signalétique, les aménagements, les interventions ainsi que les itinéraires et POI. Il est d'ailleurs possible d'ajouter une intervention sur un sentier complet directement depuis la fiche détail d'un sentier.

A ne pas confondre avec le module Itinéraires qui permet de créer des randonnées publiées sur un portail Geotrek-rando.

Les statuts :

Ils permettent de renseigner des informations sur le linéaire (type physique, statut foncier, organismes ayant la compétence sentiers, gestionnaires des travaux et de la signalétique) sans avoir à le faire tronçon par tronçon grâce à la segmentation dynamique qui permet de localiser le départ et l'arrivée sur un ou plusieurs tronçons.

Les aménagements :

Ils permettent d'inventorier les aménagements sur les sentiers (passerelles, mains courantes, cunettes, soutenements, bancs, parkings...) en les localisant, les typant, les décrivant, renseignant leur état et leur année d'implantation.

Les types d'aménagement sont découpés en 2 catégories (Ouvrages et Equipements). Ce découpage n'est utilisé que pour filtrer les aménagements.

Il est possible de créer une intervention directement depuis la fiche détail d'un aménagement.

Comme pour les autres modules, il sont intersectés avec les autres modules pour en connaitre l'altimétrie, les zonages (communes, réglementation...), les statuts (fonciers, physique, gestionnaire), les interventions, les itinéraires...

Il est aussi possible de les exporter, de leur attacher des fichiers (images, PDF, tableurs, ZIP...) et d'en consulter l'historique des modifications.

La signalétique :

Ils sont construits de la même manière que les aménagements et sont actuellement stockés dans la même table (`gestion.a_t_amenagement` avec `gestion.a_b_amenagement.type = S`). Ils ont donc les mêmes informations et fonctionnalités.

Les interventions :

Les interventions permettent d'inventorier et suivre les travaux réalisés sur les sentiers. Chaque intervention correspond à une action sur un tronçon, sentier, aménagement ou signalétique.

Les interventions peuvent être localisées directement sur le linéaire de tronçon en les positionnant grâce à la segmentation dynamique. Ou bien ils peuvent correspondre à un sentier, un aménagement ou une signalétique en les créant depuis leur fiche détail.

Une intervention peut être souhaitée (demandée par un agent), planifiée (validée mais à réaliser) ou réalisée.

Un enjeu peut être renseigné pour chaque intervention. Il est calculé automatiquement si un enjeu a été renseigné au niveau du tronçon auquel l'intervention se raccroche.

Chaque intervention correspond à un type. On peut aussi renseigner si celle-ci est sous-traitée, les désordres qui en sont la cause, la largeur et la hauteur. La longueur est calculée automatiquement si il s'agit d'une intervention linéaire mais est saisie si il s'agit d'une intervention ponctuelle.

Plusieurs interventions peuvent être rattachées à un même chantier pour avoir une vision globale de plusieurs interventions correspondant à une opération commune.

L'onglet Avancé du formulaire permet de renseigner des informations financières sur chaque intervention (coût direct et indirect lié au nombre de jours/agents dissocié par fonction).

Les chantiers :

Les chantiers permettent de grouper plusieurs interventions pour en avoir une vision globale et d'y renseigner globalement des informations administratives (Contraintes, financeurs, prestatires, cout global, maitrise d'ouvrage…) et éventuellement d'y attacher des documents (cahier des charges, recette, plans…).

Leur géométrie est la somme des géométries des interventions qui les composent.

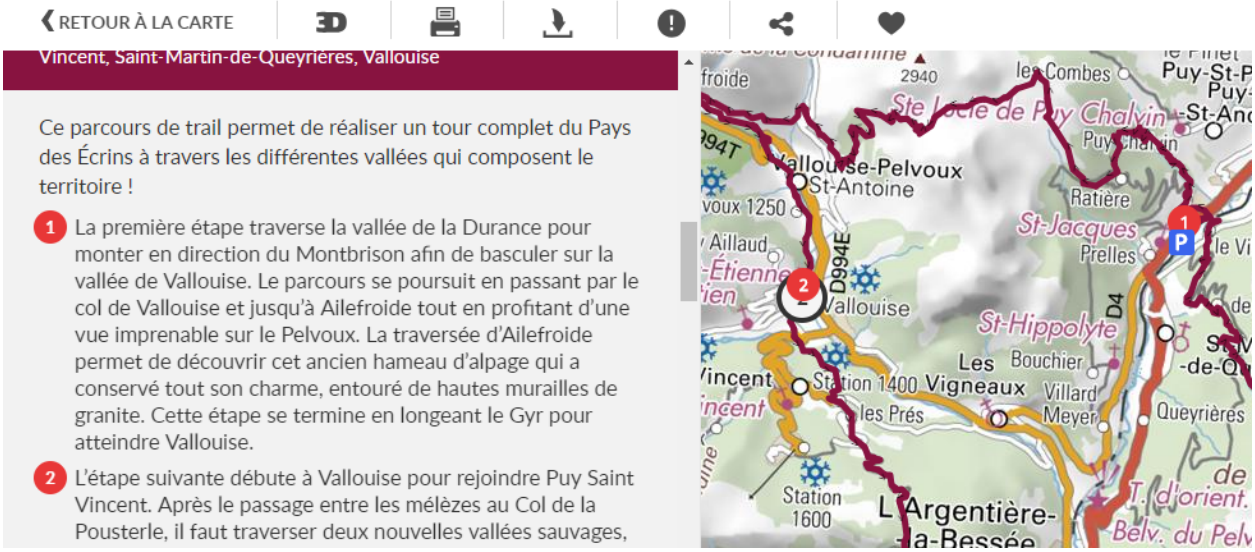
1.6 Valorisation des sentiers

TODO : Détailler le fonctionnement des modules de valorisation (itinéraires, POI, contenus et évenements touristiques, services, signalement et zones de sensibilité).

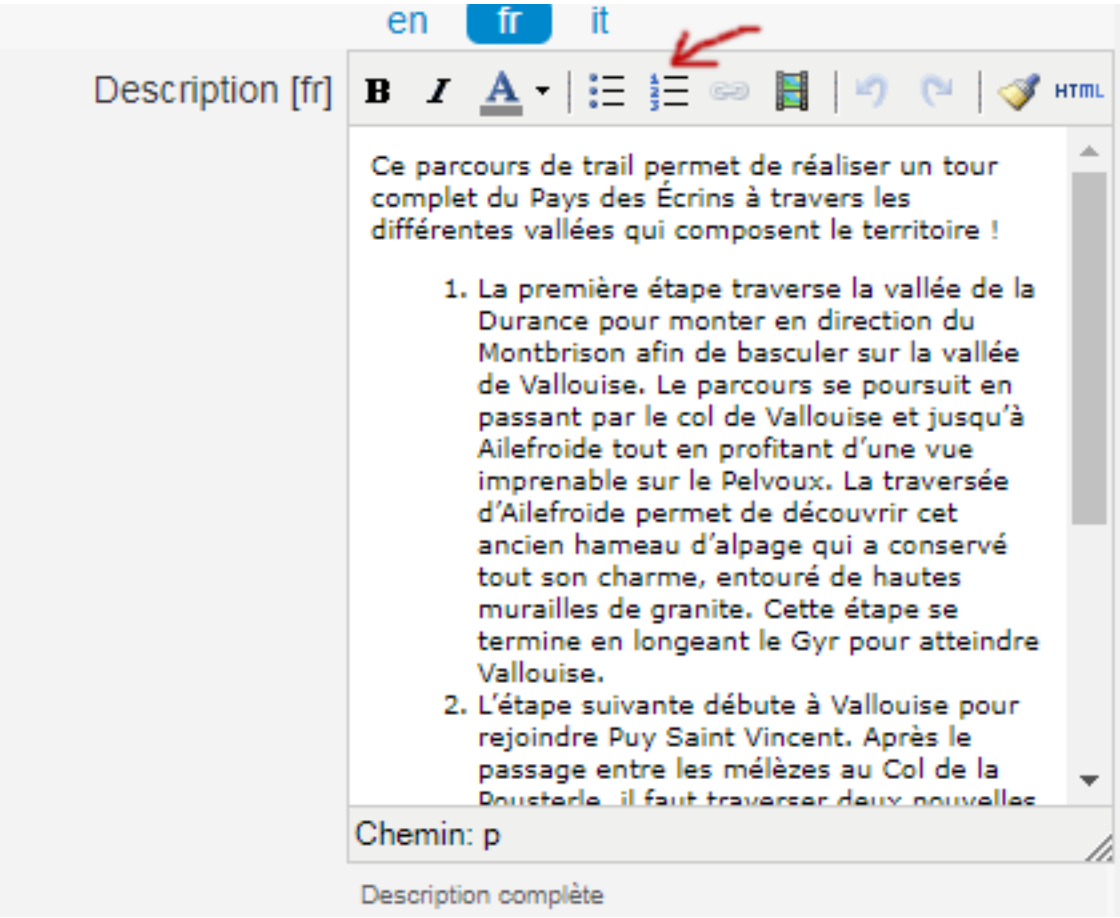
Points des références

Lorsque l'on localise un itinéraire, il est aussi possible de localiser le parking de la randonnée et de placer des points de référence numérotées sous forme de puces rouges sur la carte.

Ces derniers servent à y faire référence dans le champs Description de l'itinéraire (Pas à pas) :



Pour que des puces numérotées sous forme de pastilles rouges soient affichées dans la description, il suffit de les saisir en tant que Liste numérotées dans le champs Description :



Ordre des catégories :

Dans le portail Geotrek-rando, les différents types de contenus sont éclatés en catégories.

Pour définir leur ordre d'affichage, il est possible de le définir dans la base de données pour certains contenus (ordre des pratiques et des catégories de contenus touristiques) en renseignant leur champs `ordre` depuis l'Adminsite de Geotrek-admin.

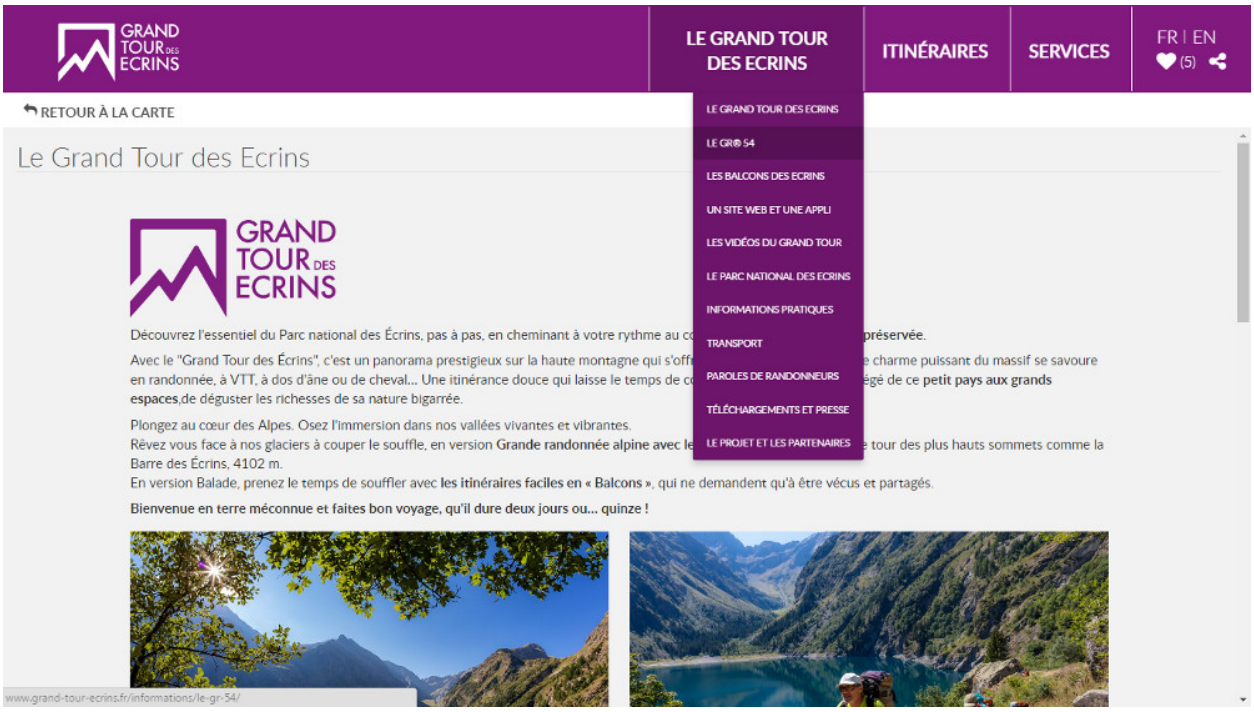
Pour l'ordre d'affichage des catégorie Randonnées, Itinérance et Evènements touristiques, il est possible de modifier les valeurs par défaut définies dans le fichier `geotrek/settings/base.py` en surcouchant les paramètres correspondant dans le fichier de configuration avancée `geotrek/settings/custom.py` :

- `TREK_CATEGORY_ORDER = 1`
- `ITINERANCY_CATEGORY_ORDER = 2`
- `TOURISTIC_EVENT_CATEGORY_ORDER = 99`

Il est aussi possible d'éclater les randonnées pour que chaque pratique soit une catégorie en surcouchant le paramètre `SPLIT_TREKS_CATEGORIES_BY_PRACTICE = False`, d'éclater les types d'accessibilité en catégories avec le paramètre `SPLIT_TREKS_CATEGORIES_BY_ACCESSIBILITY = False` et de séparer les randonnées itinérantes dans une catégorie avec le paramètre `SPLIT_TREKS_CATEGORIES_BY_ITINERANCY = False`.

1.7 Pages statiques

Les pages statiques sont les pages d'information et de contextualisation de votre portail web Geotrek-rando. Comme pourraient l'être les premières pages d'un topo-guide papier. Elles peuvent aussi être consultées dans votre application Geotrek-mobile.



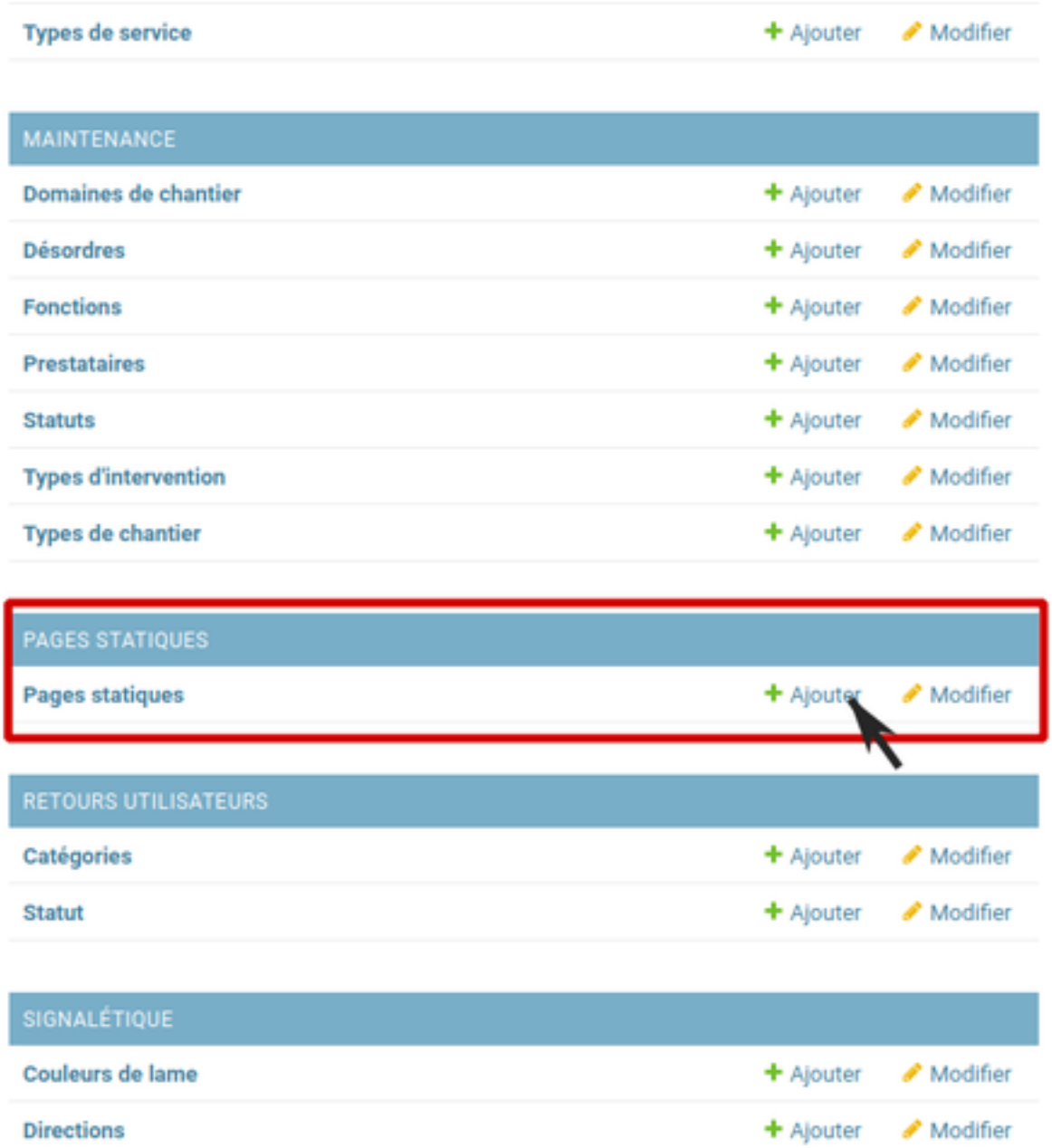
Exemple de page statique (http://www.grand-tour-ecrins.fr/informations/le-grand-tour-des-ecrins/)

Elles permettent de fournir à l'internaute et futur randonneur des informations génériques : présentation de votre structure, votre projet de randonnée, recommandations, informations pratiques, etc.

Elles sont gérées depuis l'administe de Geotrek-admin et sont ensuite publiées sur Geotrek-rando à chaque synchronisation du contenu.

Créer une page statique

Depuis l'Adminsite de Geotrek, sélectionnez "Pages statiques" dans la rubrique "Flatpages".



Vous accédez alors à la liste des pages statiques. Cliquer sur “Ajouter Page statique” en haut à droite de l’écran pour créer une première page.

Construire une page statique

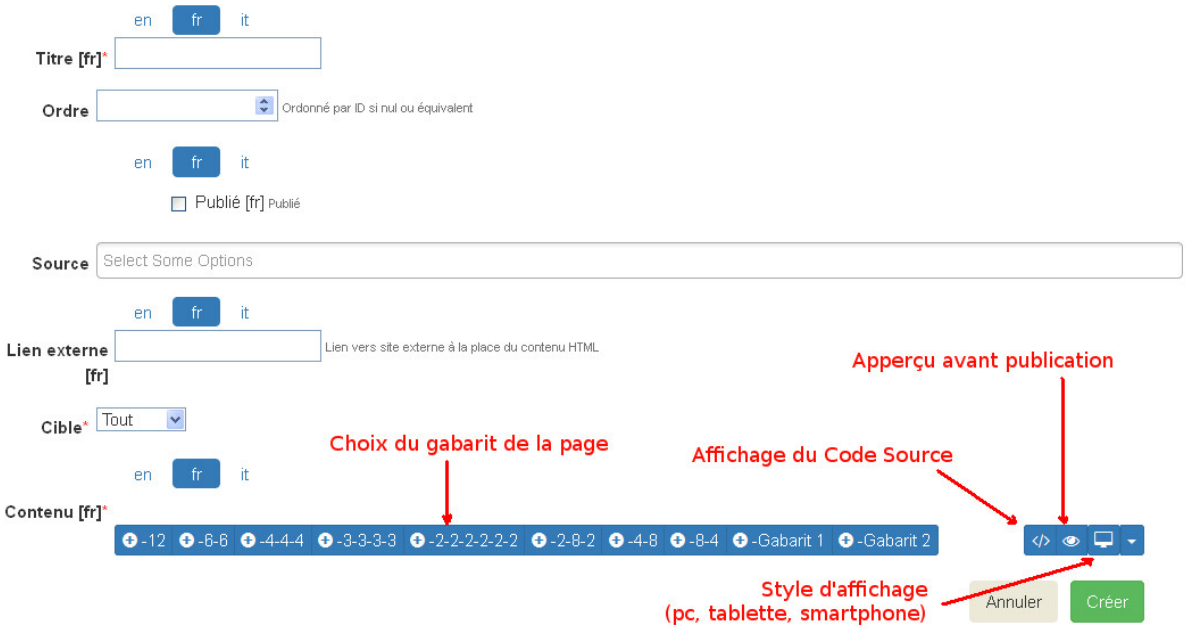
Sélectionnez la langue du contenu que vous souhaitez saisir : en / fr / it. . .

Saisissez :

- un titre (sans guillemets, parenthèses, etc.)
- un ordre optionnel (pour définir l’ordre d’apparition dans le menu de votre Geotrek-rando)
- cochez « publié » lorsque vous souhaiterez mettre en ligne votre page
- définissez la « source » (comprendre ici la destination d’affichage et donc votre Geotrek-rando)

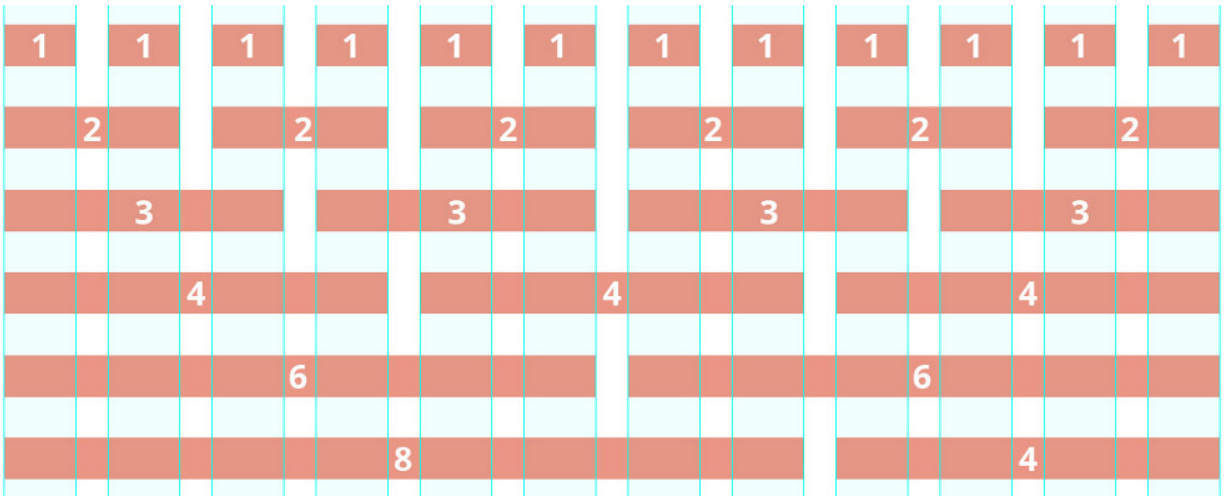
- sélectionnez une cible (Geotrek-rando et/ou Geotrek-mobile ou cachée pour créer une page qui ne sera pas listée dans le menu).

Attention, à chaque fois que cela vous est demandé, veillez à sélectionner la langue de votre contenu.



L'interface permet de construire sa page en responsive design, c'est-à-dire qu'il est possible de disposer les blocs de contenu pour s'adaptera aux différentes tailles d'écrans des utilisateurs.

Choisissez le gabarit sur lequel vous souhaitez construire votre page : 12 / 6-6 / 4-4-4 / etc. Ce sont des formats prédéfinis d'assemblage de blocs basés sur 12 colonnes qui occupent 100% de la largeur de l'écran (Bootstrap).

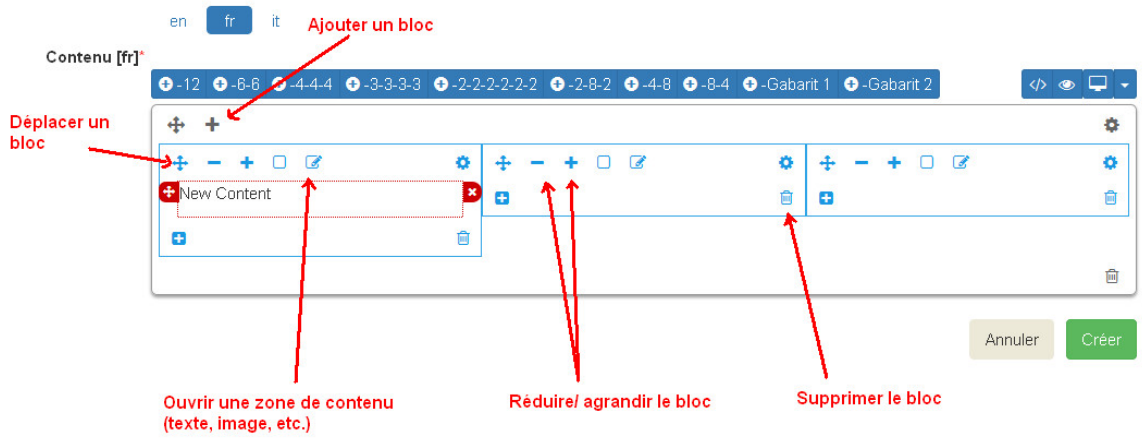


Vous pouvez aussi utiliser ou vous inspirer des 2 gabarits d'exemple (Gabarit 1 et Gabarit 2).

Vous pouvez ajouter autant de gabarits que vous le souhaitez sur une seule page.

Une fois que vous avez ajusté vos blocs de contenu pour un affiche sur ordinateur (Desktop), vous devez basculer sur l'affichage sur mobile (Phone) pour l'adapter à des plus petits écrans (en cliquant sur les + et - bleus de chaque bloc).

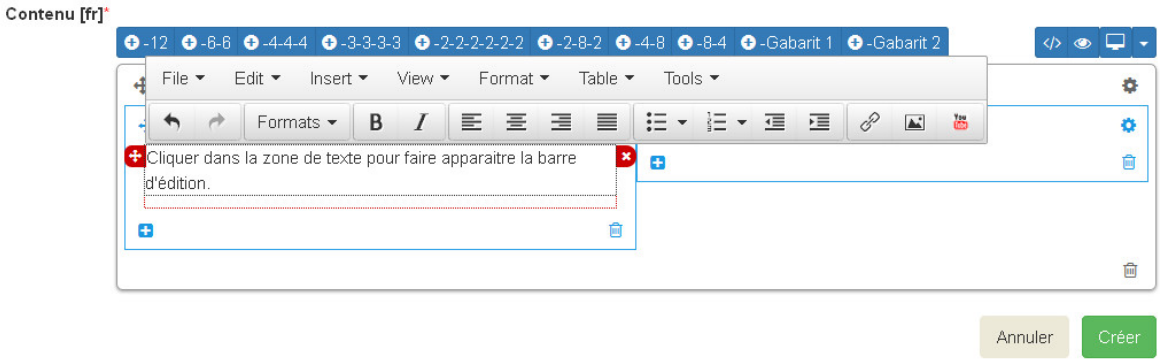
Privilégiez alors des blocs sur une colonne faisant 100% de large.



Ajouter du contenu dans un bloc

En cliquant dans la zone de texte, une barre d'édition apparaît. Sur un format classique comme dans les logiciels de traitement texte, plusieurs menus et outils sont alors disponibles :

- File : (fichier)
- Edit : retour, copier-coller,
- Insert : Insérer une image, un lien, des caractères spéciaux



Insérer une image : cela ouvre une nouvelle fenêtre avec différents champs à remplir :

- Source : insérer l'URL de l'image (idéalement dans le répertoire /custom/public/images/ de votre Geotrek-rando)
- Image description : légender l'image pour optimiser son référencement
- Dimensions : ajuster le format et cocher « Constrain proportions »

Insérer un lien : cela ouvre une nouvelle fenêtre avec différents champs à remplir :

- URL : lien de destination
- Title : texte à afficher pour le lien
- Target : « New window » si vous souhaitez que le lien s'ouvre dans un nouvel onglet

- View : « Show blocks » permet de faire apparaître les différents paragraphes de votre texte. Elles sont utiles à la structure de votre texte.
- Format : gras, italique, souligner, etc. Le sous-menu « Formats » permet de choisir un style prédéfini pour les titres (Heading 1, Heading 2, etc.). Pour que le style s'applique uniquement au titre et non pas à tout le texte, faire un retour à la ligne et vérifier sa prise en compte en activant « Shox blocks ».
- Table : insertion de tableau
- Tools : Afficher le code source de la page

Astuces

1. Ne jamais utiliser la touche retour du clavier [?] sans avoir le curseur sélectionné dans une zone de texte. Cela équivaut à revenir à la page précédente et vous perdrez tout votre contenu sans le sauvegarder.
2. Pour reproduire une page dans une langue différente : copier le Code Source et coller-le Code Source de votre nouvelle langue. Nous n'aurez plus qu'à traduire votre texte ! Idem pour traduire un contenu dans une autre langue.
3. Si deux de vos pages ont le même numéro d'ordre d'apparition, une seule des deux sera affichée sur la plate-forme numérique.

1.8 Pictogrammes

Les pictogrammes contribués dans Geotrek doivent être au format :

- SVG (de préférence, cela permet de conserver la qualité en cas de redimensionnement) ou PNG,
- SVG pour les thèmes (afin de permettre un changement de couleur pour les thèmes sélectionnés),

Il doivent :

- Avoir un viewport carré afin de ne pas être déformés sur le portail,
- Ne pas déborder du cercle inscrit pour les pratiques et les catégories de contenus touristiques, en prévoyant une marge si nécessaire.
- Avoir une dimension minimale de 56x56 pixels en ce qui concerne les PNG

Si vous utilisez Inkscape, vous devez définir une viewBox. Voir http://wiki.inkscape.org/wiki/index.php/Tricks_and_tips#Scaling_images_to_fit_in_webpages.2FHTML

Afin de s'intégrer au mieux dans le design standard, les couleurs suivantes sont recommandées :

- Blanc sur fond transparent pour les pratiques et les catégories de contenus touristiques,
- Gris sur fond transparent pour les thèmes,
- Blanc sur fond orange pour les types de POI.

1.9 Geotrek et IGNrando'

Depuis la version 0.32.0, Geotrek-admin est capable de produire un flux des itinéraires et POIs présents dans sa BDD au format Cirkwi pour pouvoir les importer directement dans IGNrando'.

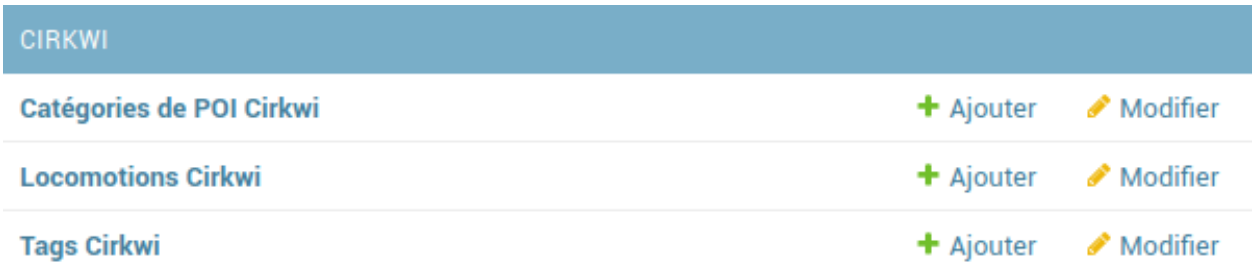
Exemple des randonnées et POIs du Parc national des Ecrins publiées sur IGNrando' depuis Geotrek-admin : https://ignrando.fr/fr/communautes/parc-national-des-ecrins

Depuis cette version, 2 flux sont automatiquement générés par Geotrek-admin au format attendu par l'IGN :

- [URL_GEOTREK-ADMIN]/api/cirkwi/circuits.xml
- [URL_GEOTREK-ADMIN]/api/cirkwi/pois.xml

Il est possible d'exclure les POI du flux pour ne diffuser que les randonnées. Pour cela, ajouter le paramètre `?withoutpois=1` à la fin de l'URL (`http://XXXXX/api/cirkwi/circuits.xml?withoutpois=1`).

Le référentiel CIRKWI a été intégré dans 3 tables accessibles dans l'Adminsite (à ne pas modifier) :



Si vous ne souhaitez pas utiliser les valeurs par défaut ou avez créez vos propres typologies, il faut que vous renseigniez les correspondances entre les catégories de votre Geotrek et celles du référentiel IGN (Cirkwi) dans votre Adminsite. Comme indiqué ici : https://github.com/GeotrekCE/Geotrek-admin/issues/806

- Pratique >> locomotion/loisirs
- Accessibilite >> thematiques/tags
- Themes >> thematiques/tags
- Types de POI >> Categories POI

Les correspondances avec les valeurs de ces 3 tables sont donc à renseigner dans les tables Geotrek des Pratiques, Accessibilités, Thèmes et Types de POI.

> **Note** Geotrek-admin dispose aussi d'une API générique permettant d'accéder aux contenus d'une instance à l'adresse : `[URL_GEOTREK-ADMIN]/api/v2/`

CHAPTER 2

FREQUENTLY ASKED QUESTIONS

2.1 How 3D informations are obtained ?

All paths geometries are *"draped"* on a Digital Elevation Model, when created or updated.

All linear objects that defined using topologies (*treks, . . .*) take their 3D informations from their related paths, instead of reading the DEM.

2.2 How the ascent is computed on treks ?

We compute the cumulative elevation gain.

We sample the DEM every 25m by defaut (see `ALTIMETRIC_PROFILE_PRECISION` setting), and we add some smoothing to avoid noise.

For more details :

- The smoothing explanation
- The piece of code to compute positive and negative accumulations
- Draping lines with PostGIS (or french version)

2.3 How POIs are related to treks ?

POIs are considered as an *editorial* information, and are created carefully along treks.

When a POI is created, it is attached to the closest path.

A trek is defined by a serie of paths, and some POIs are associated to them.

Note: There is currently no way to manually control the association between treks and POIs.

This was discussed among the first *Geotrek* users, come and argue on the mailing list !

If `TREKKING_TOPOLOGY_ENABLED` is set to `False`, there are no paths involved. POIs are thus related to treks using a basic spatial intersection, with a distance set in setting `TREK_POI_INTERSECTION_MARGIN` (default to 500 meters).

2.4 Can I have overlapping districts ?

Districts are a generic notion to qualify your territory. They can be valleys, mounts, ...

You can imagine using the districts table for all those different notions, resulting in overlapping geometries. Geotrek-admin will associate them all to your objects.

2.5 Why Makina Corpus sells Geotrek, released under an Open-Source license ?

In the early years of the Free Software movement, it was quite common to pay in order to receive a physical copy (on floppy disks) of some GNU programs and source code.

In the late nineties, the IT industry was not confortable with the confusion introduced by the word *Free* in English ("free" as freedom, or "free" as costless), and therefore started to spread the word *Open Source* instead.

Today, those copies of Open Source software can be obtained on the Internet for free of course. But yet, the GNU Software Fundation still recommends to claim a financial contribution when distributing them, in order to support the development and maintenance. And note that nowadays, many of the most important Open Source applications have their own fundation, focused on collecting funds for development and maintenance.

The *Geotrek fundation* does not exist yet, but the community is growing. Makina Corpus is currently maintaining this Open Source application, which implies the following responsabilities :

- Maintain a public website, with a fully working demo ;
- Write documentation ;
- Provide community support on the mailing-list ;
- Promote the application at conferences, social networks and communities ;
- Triage and investigate issues tickets on Github ;
- Fix bugs and regressions if any ;
- Contribute, propose and argue code merge on external libraries ;
- Keep software dependencies up-to-date, without regressions ;
- Make sure the application remains easy to install on latest Linux distributions ;
- Add some engineering to allow customization and pluggability when new specific features are planned ;

Each of these tasks are often considered implicit, but they consume energy and time, which represents a substantial cost for a company like ours.

To conclude, we don't really sell *Geotrek*, since you can get it on Github and install it easily, but we ask for a financial contribution regarding the above responsabilities. It is not only legal, but also recommended by the funders of the Free and Open Source Software movement.

2.6 How can I help and contribute ?

There are many ways to contribute to a Free Software. And modifying the source code is probably the least common action. For example :

- Help the users and answers questions on the mailing-list ;
- Download it, try it ;
- Open a ticket when you encounter a bug ;
- Open a ticket when you have a suggestion or feature idea ;
- Share your feedback, spread the word inside your organization ;
- Write and talk about *Geotrek*, at conferences, workgroups, forums ;
- Translate the documentation ;
- Translate the menus, buttons and labels (we use Weblate) ;
- Maintain the installation script for different Linux distributions (*requires some basic Linux skills*) ;
- Fix bugs or improve layout and apparence (*requires Webmaster skills*) ;
- Fix bugs or improve core modules (*requires python/Django skills*).

Join us on the mailing-list! Send an email to `geotrek-fr+subscribe@googlegroups.com` and you will receive an invitation automatically :)

CHAPTER 3

INSTALLATION

Use these instructions to install Geotrek-admin in an easy way on a dedicated Ubuntu Bionic 18.04 LTS server for production. For another distributions, please use *the Docker installation method*. It requires more technical skills. Lastly, for a developer instance, please follow *the dedicated procedure*.

3.1 Requirements

A first estimation of minimal required system resources are:

- 2 cores
- 4 Go RAM
- 20 Go disk space

For big instances required system resources are:

- 4 cores
- 8 Go RAM or more
- 50 Go disk space or more (20 Go + estimated size of attached files like photos, including elements imported from SIT)

Software requirements are :

- Ubuntu Bionic 18.04 LTS. Server flavor is recommended but any other flavors work too (desktop. . .)

An Internet connection with open HTTP and HTTPS destination ports is required.

3.2 Information to prepare before installation

These information will be asked during the installation process and are the basic configuration of Geotrek-admin:

- The **domain name** or **IP** to use to access to **Geotrek-admin** web application.

- Rando server name: the **domain name** to use to access to **Geotrek-rando** website (optional, if appropriate).
- PostgreSQL **host, port, user, password and DB name** if you use an external DB server.
- The **SRID** of the projection to use to store geometries. The projection must match your geographic area and coordinates must be in meters.
- The list of **languages** into which translation of contents will be made
- The name or acronym of your **organization**

3.3 Fresh installation

Run the following command in a shell prompt on your server:

```
curl https://packages.geotrek.fr/install.sh | bash
```

If you don't want to use a local database, you can run the following command instead. This will prevent the script to install PostgreSQL server locally. Don't forget to enable PostGIS extension in your remote database before installation.

```
curl https://packages.geotrek.fr/install.sh | bash -s - --nodb
```

Then create the application administrator account and connect to the web interface.

```
sudo geotrek createsuperuser
```

If you are not confident with the `install.sh` script, or if you are having troubles, you can do the same operations by hand:

1. Add `deb https://packages.geotrek.fr/ubuntu bionic main` to APT sources list.
2. Add https://packages.geotrek.fr/geotrek.gpg.key to apt keyring.
3. Run `apt-get update`
4. If you want to use a local database, install PostGIS package (before installing Geotrek-admin, not at the same time). If not, you must create database and enable PostGIS extension before.
5. Install the Geotrek-admin package (`sudo apt install geotrek-admin`).

Note: Geotrek-admin is automatically installed in `/opt/geotrek-admin/` directory.

The installation automatically creates an internal `geotrek` linux user, owner of this directory

The Geotrek-admin Python application is located in `/opt/geotrek-admin/lib/python3.6/site-packages/geotrek` directory

---

3.4 Upgrade

3.4.1 From Geotrek-admin >= 2.33

To upgrade the whole server, including Geotrek-admin, run:

```
apt-get update
apt-get upgrade
```

To prevent upgrading Geotrek-admin with the whole distribution, you can run:

```
sudo apt-mark hold geotrek-admin
```

To upgrade only Geotrek-admin and its dependencies, run:

```
apt-get install geotrek-admin
```

3.4.2 From Geotrek-admin <= 2.32

First of all, make sure your current Geotrek-admin version works correctly. Especially, after an upgrade of the Ubuntu distribution, you will have to run `./install.sh` before proceeding with Geotrek-admin upgrade.

Then, go inside your existing Geotrek-admin installation directory and run the dedicated migration script:

```
curl https://packages.geotrek.fr/migrate.sh | bash
```

Check if `SPATIAL_EXTENT` is well set in `/opt/geotrek-admin/var/conf/custom.py` (see Advanced configuration section)

Note: Geotrek-admin is now automatically installed in `/opt/geotrek-admin/` directory and the advanced configuration file moved to `/opt/geotrek-admin/var/conf/custom.py` (with spatial extent, map and modules configuration...).

See advanced configuration documentation for details.

The `etc/settings.ini` file is replaced by basic configuration, updated with `sudo dpkg-reconfigure geotrek-admin` command (database, SRID, languages, server_name, timeout...).

Update your imports, synchronization and backup commands and directories.

3.5 Troubleshooting

Geotrek-admin logs are stored in `/opt/geotrek-admin/var/log/geotrek.log` file. But if Geotrek-admin does not start, take a look to systemd logs for each of the 3 Geotrek-admin services (user web interface, API and asynchronous tasks):

```
sudo journalctl -eu geotrek-ui
sudo journalctl -eu geotrek-api
sudo journalctl -eu geotrek-celery
```

The output is paginated. With -e option you are at the end of the logs but you can go up an down with arrows. Type Q to quit. If you want to copy the log to a file, do:

```
sudo journalctl -u geotrek-ui > systemd-geotrek-ui.log
```

3.6 Uninstallation

Run:

```
apt-get remove geotrek-admin
```

Media files will be left in `/opt/geotrek-admin/var` directory. To remove them, run:

```
apt-get purge geotrek-admin
```

To remove dependencies (convertit, screamshooter...), run:

```
apt-get autoremove
```

Note: PostgreSQL and its database will not be removed by these commands. If need be, remove them manually.

CHAPTER 4

LOADING DATA

4.1 Prerequisites for your data

4.1.1 Layers

- WMTS protocol
- WebMercator Projection

4.1.2 Core

- Only LineString geometries
- Simple geometries
- Not overlapping

If possible:

- Connex graph
- Name column
- Data source

Formats: Shapefile or pure SQL dump (CREATE TABLE + INSERT)

4.1.3 Land

- Cities polygons (Shapefile or SQL, simple and valid Multi-Polygons)
- Districts (Shapefile ou SQL, simple and valid Multi-Polygons)
- Restricted Areas (Shapefile ou SQL, simple and valid Multi-Polygons)

4.1.4 Extras

- Languages list
- Structures list (and default one)

4.2 Load MNT raster

In QGIS, you can visualize your DEM, or merge several tiles together (in *Raster* > *Misc* > *Merge*).

Generate a GeoTIFF, and upload both files (`.tif` + `.tfw`) on the server. And use the Geotrek-admin command to load it into PostGIS :

```
sudo geotrek loaddem <PATH>/dem.tif
```

Note: This command makes use of *GDAL* and `raster2pgsql` internally. It therefore supports all GDAL raster input formats. You can list these formats with the command `raster2pgsql -G`.

Note:

If you only have a `.tif` file, you can generate the `.tfw` file with the command `gdal_translate -co "TFW=YES" in.ti`
It will generate a new `.tif` file with its `.tfw` metadata file.

CHAPTER 5

CONFIGURATION

5.1 Basic configuration update

To update basic configuration (server name, database connection, languages, or set workers number or timeout), run:

```
sudo dpkg-reconfigure geotrek-admin
```

The basic configuration is stored in `/opt/geotrek-admin/var/conf/env` file, not to be changed manually. This file also contains the PostgreSQL authentification details, if you need to access your Geotrek-admin database.

5.2 NGINX configuration

NGINX configuration is controlled by Geotrek-admin and will be erased at each upgrade. Do not modify `/etc/nginx/sites-available/geotrek.conf` or `/etc/nginx/sites-enable/geotrek.conf`. Modify `/opt/geotrek-admin/var/conf/nginx.conf.in` instead. To update `nginx.conf`, then run:

```
sudo dpkg-reconfigure geotrek-admin
```

5.3 Users management

Geotrek-admin relies on Django authentication and permissions system. Users belong to groups. Permissions can be assigned at user or group-level.

The whole configuration of user, groups and permissions is available in the *AdminSite*, if you did not enable *External authent* (see below).

By default four groups are created:

- Readers
- Path managers

- Trek managers
- Editor

Once the application is installed, it is possible to modify the default permissions of these existing groups, create new ones etc…

If you want to allow the users to access the *AdminSite*, give them the *staff* status using the dedicated checkbox.

5.4 Database users

It is not safe to use the `geotrek` user in QGIS, or to give its password to many collaborators.

A wise approach, is to create a *read-only* user, or with specific permissions.

With *pgAdmin*, you can create database users like this:

```
CREATE ROLE lecteur LOGIN;
ALTER USER lecteur PASSWORD 'passfacile';
GRANT CONNECT ON DATABASE geotrekdb TO lecteur;
```

And give them permissions by schema :

```
GRANT USAGE ON SCHEMA public TO lecteur;
GRANT USAGE ON SCHEMA geotrek TO lecteur;
GRANT SELECT ON ALL TABLES IN SCHEMA public TO lecteur;
GRANT SELECT ON ALL TABLES IN SCHEMA geotrek TO lecteur;
```

You can also create groups, etc. See PostgreSQL documentation.

5.5 Advanced Configuration

See *advanced configuration*…

CHAPTER 6

ADVANCED CONFIGURATION

6.1 Custom setting file

Geotrek-admin advanced configuration is done in `/opt/geotrek-admin/var/conf/custom.py` file. The list of all overridable setting and default values can be found there.

After any change in `custom.py`, run:

```
sudo service geotrek restart
```

Sometimes you must also run :

```
sudo dpkg-reconfigure -u geotrek-admin
```

Note: Don't override the `os.getenv()` settings as they are managed with Basic configuration.

6.2 Spatial extents

In order to check your configuration of spatial extents, a small tool is available at http://server/tools/extents/.

Note: Administrator privileges are required.

6.3 Email settings

Geotrek-admin will send emails:

- to administrators when internal errors occur

- to managers when a feedback report is created

Email configuration takes place in `/opt/geotrek-admin/var/conf/custom.py`, where you control recipients emails (`ADMINS`, `MAIL_MANAGERS`) and email server configuration.

Set configuration settings in `geotrek/settings/custom.py.dist` template file.

You can test your configuration with the following command. A fake email will be sent to the managers:

```
sudo geotrek test_managers_emails
```

6.4 Disable modules and components

In order to disable a full set of modules, in the custom settings file, add the following code:

```
# Disable infrastructure and maintenance
_INSTALLED_APPS = list(INSTALLED_APPS)
_INSTALLED_APPS.remove('geotrek.infrastructure')
_INSTALLED_APPS.remove('geotrek.maintenance')
INSTALLED_APPS = _INSTALLED_APPS
```

In order to remove notion of trails:

```
TRAIL_MODEL_ENABLED = False
```

In order to remove zoning combo-boxes on list map:

```
LAND_BBOX_CITIES_ENABLED = True
LAND_BBOX_DISTRICTS_ENABLED = True
LAND_BBOX_AREAS_ENABLED = False
```

Note: By doing so, some software upgrades may not be as smooth as usual. Never forget to mention this customization if you ask for community support.

6.5 Feedback settings

6.5.1 Send acknowledge email

```
SEND_REPORT_ACK = True
```

If false, no mail will be sent to the sender of any feedback on Rando web site

6.5.2 Suricate support

It is possible to send report saved to Suricate API (deactivated by default).

In order to activate suricate reports:

1. Set your account settings in *custom.py*:

```
SURICATE_REPORT_ENABLED = True

SURICATE_REPORT_SETTINGS = {
    'URL': '<Suricate API Url>',
    'ID_ORIGIN': '<Suricate origin ID>',
    'PRIVATE_KEY_CLIENT_SERVER': '<your private key client / server>',
    'PRIVATE_KEY_SERVER_CLIENT': '<your private key server / client>',
}
```

2. Load lists for category, activity and problem magnitude :

```
geotrek loaddata geotrek/feedback/fixtures/basic.json
```

3. To make these lists available for your Geotrek-rando, run *sync_rando* (see *synchronization*)

6.6 Anonymize feedback reports

To be compliant to GDPR, you cannot keep personnal data infinitely, and should notice your users on how many time you keep their email.

A django command is available to anonymize reports, by default older than 365 days.

```
geotrek erase_emails
```

Or if you want to erase emails for reports older than 90 days

```
geotrek erase_emails --days 90
```

6.7 Sensitive areas

In order to enable sensitivity module, in the custom settings file, add the following code:

```
# Enable sensitivity module
INSTALLED_APPS += ('geotrek.sensitivity', )
```

The following settings are related to sensitive areas:

```
SHOW_SENSITIVE_AREAS_ON_MAP_SCREENSHOT = True

# Default radius of sensitivity bubbles when not specified for species
SENSITIVITY_DEFAULT_RADIUS = 100  # meters

# Buffer around treks to intersects sensitive areas
SENSITIVE_AREA_INTERSECTION_MARGIN = 500  # meters
```

To take these changes into account, you need to run :

```
sudo dpkg-reconfigure -u geotrek-admin
```

6.8 Diving

In order to enable diving module, in the custom settings file, add the following code:

```
# Enable diving module
INSTALLED_APPS += ('geotrek.diving', )
```

Then run `sudo geotrek migrate; sudo service geotrek restart`.

You can also insert diving minimal data (default practices, difficulties, levels and group permissions values):

```
sudo geotrek loaddata geotrek/diving/fixtures/basic.json
cp /opt/geotrek-admin/geotrek/diving/fixtures/upload/* /opt/geotrek-admin/var/media/
↪upload/
```

6.9 WYSIWYG editor configuration

Text form fields are enhanced using TinyMCE.

Its configuration can be customized using advanced settings (see above paragraph).

For example, in order to control which buttons are to be shown, and which tags are to be kept when cleaning-up, add this bloc :

```
TINYMCE_DEFAULT_CONFIG = {
    'theme_advanced_buttons1': 'bold,italic,forecolor,separator,code',
    'valid_elements': "img,p,a,em/i,strong/b",
}
```

This will apply to all text fields.

For more information on configuration entries available, please refer to the official documentation of *TinyMCE version 3*.

6.10 View attachments in the browser

Attached files are downloaded by default by browser, with the following line, files will be opened in the browser :

```
MAPENTITY_CONFIG['SERVE_MEDIA_AS_ATTACHMENT'] = False
```

6.11 Change or add WMTS tiles layers (IGN, OSM, Mapbox. . .)

By default, you have 2 basemaps layers in your Geotrek-admin (OSM and OSM black and white).

You can change or add more basemaps layers.

Specify the tiles URLs this way in your custom Django setting file:

```
LEAFLET_CONFIG['TILES'] = [
    ('OSM', 'http://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', '© OpenStreetMap␣
↪Contributors'),
```

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```
    ('OpenTopoMap', 'http://a.tile.opentopomap.org/{z}/{x}/{y}.png', 'Map data: ©␣
↪OpenStreetMap contributors, SRTM | Map style: © OpenTopoMap (CC-BY-SA)'),
]
```

Example with IGN and OSM basemaps :

```
LEAFLET_CONFIG['TILES'] = [
    ('IGN Scan', '//wxs.ign.fr/YOURAPIKEY/wmts?LAYER=GEOGRAPHICALGRIDSYSTEMS.MAPS&
↪EXCEPTIONS=text/xml&FORMAT=image/jpeg&SERVICE=WMTS&VERSION=1.0.0&REQUEST=GetTile&
↪STYLE=normal&TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}', '© IGN␣
↪Geoportail'),
    ('IGN Scan Express', '//wxs.ign.fr/YOURAPIKEY/wmts?LAYER=GEOGRAPHICALGRIDSYSTEMS.
↪MAPS.SCAN-EXPRESS.STANDARD&EXCEPTIONS=text/xml&FORMAT=image/jpeg&SERVICE=WMTS&
↪VERSION=1.0.0&REQUEST=GetTile&STYLE=normal&TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW=
↪{y}&TILECOL={x}', '© IGN Geoportail'),
    ('IGN Ortho', '//wxs.ign.fr/YOURAPIKEY/wmts?LAYER=ORTHOIMAGERY.ORTHOPHOTOS&
↪EXCEPTIONS=text/xml&FORMAT=image/jpeg&SERVICE=WMTS&VERSION=1.0.0&REQUEST=GetTile&
↪STYLE=normal&TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}', '© IGN␣
↪Geoportail'),
    ('IGN Cadastre', '//wxs.ign.fr/YOURAPIKEY/wmts?LAYER=CADASTRALPARCELS.PARCELS&
↪EXCEPTIONS=text/xml&FORMAT=image/png&SERVICE=WMTS&VERSION=1.0.0&REQUEST=GetTile&
↪STYLE=bdparcellaire_o&TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}', '©␣
↪IGN Geoportail'),
    ('OSM', 'https//{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', '© OpenStreetMap␣
↪contributors'),
    ('OSM Stamen Terrain', '//tile.stamen.com/terrain/{z}/{x}/{y}.jpg', '©␣
↪OpenStreetMap contributors / Stamen Design'),
    ('OpenTopoMap', 'https//a.tile.opentopomap.org/{z}/{x}/{y}.png', 'Map data: ©␣
↪OpenStreetMap contributors, SRTM | Map style: © OpenTopoMap (CC-BY-SA)')
]
```

To use IGN Geoportail WMTS tiles API, you need an API key with subscribing on http://professionnels.ign.fr/visualisation. Choose WebMercator WMTS tiles.

6.12 External authent

You can authenticate user against a remote database table or view.

To enable this feature, fill these fields in `/opt/geotrek-admin/var/conf/custom.py`:

```
AUTHENT_DATABASE = 'authent'
DATABASES['authent'] = {
    'ENGINE': 'django.contrib.gis.db.backends.postgis',
    'NAME': '<database name>',
    'USER': '<user name>',
    'PASSWORD': '<password>',
    'HOST': '<host>',
    'PORT': '<port>',
}
AUTHENT_TABLENAME = '<table name>'
AUTHENTICATION_BACKENDS = ['geotrek.authent.backend.DatabaseBackend']
```

Expected columns in table/view are :

- username : string (*unique*)

- first_name : string
- last_name : string
- password : string (simple md5 encoded, or full hashed and salted password)
- email : string
- level : integer (1: readonly, 2: redactor, 3: path manager, 4: trekking manager, 6: administrator)
- structure : string
- lang : string (language code)

Note: The schema used in `AUTHENT_TABLENAME` must be in the user search_path (`ALTER USER $geotrek_db_user SET search_path=public,userschema;`)

User management will be disabled from Administration backoffice.

In order to disable remote login, just comment *AUTHENTICATION_BACKENDS* line in settings file, and restart instance (see paragraph above).

Geotrek-admin can support many types of users authentication (LDAP, oauth, . . .), contact us for more details.

6.13 Map layers colors and style

All layers colors can be customized from the settings. See Leaflet reference for vectorial layer style.

- To apply these style changes, re-run `sudo systemctl restart geotrek`.

```
MAP_STYLES['path'] = {'color': 'red', 'weight': 5}
```

Or change just one parameter (the opacity for example) :

```
MAP_STYLES['city']['opacity'] = 0.8
```

Regarding colors that depend from database content, such as land layers (physical types, work management. . .) or restricted areas. We use a specific setting that receives a list of colors :

```
COLORS_POOL['restrictedarea'] = ['#ff00ff', 'red', '#ddddd'...]
```

See the default values in `geotrek/settings/base.py` for the complete list of available styles.

Restart the application for changes to take effect.

6.14 External raster layers

It is possible to add overlay tiles layer on maps. For example, it can be useful to:

- Get the cadastral parcels on top of satellite images
- Home made layers (*with Tilemill or QGisMapserver for example*). Like the park center borders, traffic maps, IGN BDTopo® or even the Geotrek paths that are marked as invisible in the database!

In `custom.py`, just add the following lines:

```
LEAFLET_CONFIG['OVERLAYS'] = [
    ('Coeur de parc', 'http://serveur/coeur-parc/{z}/{x}/{y}.png', '&copy; PNF'),
]
```

6.14.1 Expected properties

For `GeoJSON` files, you can provide the following properties :

- `title`: string
- `description`: string
- `website`: string
- `phone`: string
- `pictures`: list of objects with `url` and `copyright` attributes
- `category`: object with `id` and `label` attributes

6.15 Disable darker map backgrounds

Since IGN map backgrounds are very dense and colourful, a dark opacity is applied. In order to disable, change this MapEntity setting :

```
MAPENTITY_CONFIG['MAP_BACKGROUND_FOGGED'] = False
```

6.16 Configure Social network

6.16.1 Facebook configuration

When a content is shared to Facebook in Geotrek-rando, it needs static html files built by synchronization (thanks to option `--rando-url`).

In Facebook developper dashboard, create a Facebook app dedicated to Geotrek-rando and activate it.

In `custom.py` set Facebook App ID:

```
FACEBOOK_APP_ID = '<your Facebook AppID>'
```

you can also override these settings:

```
FACEBOOK_IMAGE = '/images/logo-geotrek.png'
FACEBOOK_IMAGE_WIDTH = 200
FACEBOOK_IMAGE_HEIGHT = 200
```

6.17 Override translations

Translations are managed by https://weblate.makina-corpus.net/ where you can contribute. But you can also override default translation files available in each module (for example those from trekking module available in `/opt/geotrek-admin/lib/python3.6/site-packages/geotrek/trekking/locale/fr/LC_MESSAGES/django.po`).

Don't edit these default files, use them to find which words you want to override.

Create the custom translations destination folder:

Create a `django.po` file in `/opt/geotrek-admin/var/conf/extra_locale` directory. You can do one folder and one `django.po` file for each language (example `/opt/geotrek-admin/var/conf/extra_locale/fr/LC_MESSAGES/django.po` for French translation overriding)

Override the translations that you want in these files.

Example of content for the French translation overriding:

```
# MY FRENCH CUSTOM TRANSLATION
# Copyright (C) YEAR THE PACKAGE'S COPYRIGHT HOLDER
# This file is distributed under the same license as the PACKAGE package.
# FIRST AUTHOR <EMAIL@ADDRESS>, YEAR.
#
msgid ""
msgstr ""
```

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```
"Report-Msgid-Bugs-To: \n"
"POT-Creation-Date: 2018-11-15 15:32+0200\n"
"PO-Revision-Date: 2018-11-15 15:33+0100\n"
"Last-Translator: \n"
"Language-Team: LANGUAGE <LL@li.org>\n"
"MIME-Version: 1.0\n"
"Content-Type: text/plain; charset=UTF-8\n"
"Content-Transfer-Encoding: 8bit\n"
"Project-Id-Verésion: PACKAGE VERSION\n"
"Plural-Forms: nplurals=2; plural=(n > 1);\n"
"Project-Id-Version: \n"
"X-Generator: Poedit 1.5.4\n"

msgid "City"
msgstr "Région"

msgid "District"
msgstr "Pays"
```

Apply changes (French translation in this example) :

```
cd /opt/geotrek-admin/var/conf/extra_locale
sudo chown geotrek. fr/LC_MESSAGES/
sudo geotrek compilemessages
sudo service geotrek restart
```

6.18 Override public PDF templates

PDF are generated from HTML templates, using Django templating. Trekkings, touristic contents and events can be exported in PDF files.

- Treks : `geotrek/trekking/templates/trekking/trek_public_pdf.html`
- Touristic contents : `geotrek/tourism/templates/tourism/touristiccontent_public_pdf.html`
- Touristic events : `geotrek/tourism/templates/tourism/touristiccontent_public_pdf.html`

Overriden templates have to be located in `/opt/geotrek-admin/var/conf/extra_templates/<appname>`, with `<appname>` = `trekking` or `tourism`. To override trekking PDF for example, copy the file `geotrek/trekking/templates/trekking/trek_public_pdf.html` to `/opt/geotrek-admin/var/conf/extra_templates/trekking/trek_public_pdf.html`.

These templates derive from base templates, which content is organized in blocks. To override for example the description block of trek PDF, copy and change the `{% block description }...{% endblock description %}` in your `/opt/geotrek-admin/var/conf/extra_templates/trekking/trek_public_pdf.html`.

It is also possible to use color defined for practice for pictogram by adding in your `/opt/geotrek-admin/var/conf/extra_templates/trekking/trek_public_pdf.html` file :

```
{% block picto_attr %}style="background-color: {{ object.practice.color }};"{%␣
↪endblock picto_attr %}
```

CSS can be overriden like html templates : copy them to `var/media/templates/trekking/` or `var/media/templates/tourism/` folder

Note: The default template may change in the future versions. You will be in charge of porting the modification to your copy.

Test your modifications by exporting a trek or a content to PDF from Geotrek-admin application. To get your modifications available for Rando application, launch the `sync_rando` command.

6.19 Custom font in public document template

In order to use custom fonts in trek PDF, it is necessary to install the font files on the server.

Microsoft fonts like *Arial* and *Verdana* can be installed via the package manager:

```
sudo apt-get install ttf-mscorefonts-installer
```

For specific fonts, copy the `.ttf` (or `.otf`) files into the folder `/usr/local/share/fonts/custom/` as root, and run the following command:

```
fc-cache
```

For more information, check out Ubuntu documentation.

6.20 Custom colors in public document template

Trek export geometries are translucid red by default. In order to control the apparence of objects in public trek PDF exports, use the following setting:

```
MAP_STYLES['print']['path'] = {'weight': 3}
```

See *Leaflet* reference documentation for detail about layers apparence.

6.21 Primary color in PDF templates

You can override `PRIMARY_COLOR` to change emphase text in PDF export. Beware of contrast, white colour is used for text so we advise you to avoid light colour.

6.22 Custom logos

You might also need to deploy logo images in the following places :

- `var/conf/extra_static/images/favicon.png`
- `var/conf/extra_static/images/logo-login.png`
- `var/conf/extra_static/images/logo-header.png`

6.23 Copyright on pictures

If you want copyright added to your pictures, change `THUMBNAIL_COPYRIGHT_FORMAT` to this :

```
THUMBNAIL_COPYRIGHT_FORMAT = "{title} {author}"
```

You can also add `{legend}`.

```
THUMBNAIL_COPYRIGHT_SIZE = 15
```

6.24 Share services between several Geotrek instances

As explained *in the design section*, *Geotrek-admin* relies on several services. They are generic and reusable, and can thus be shared between several instances, in order to save system resources for example.

A simple way to achieve this is to install one instance with everything as usual (*standalone*), and plug the other instances on its underlying services.

6.24.1 Capture and conversion

If you want to use external services, in `.env`, add following variables:

```
CAPTURE_HOST=x.x.x.x
CAPTURE_PORT=XX
CONVERSION_HOST=x.x.x.x
CONVERSION_PORT=XX
```

Then, you can delete all screamshotter and convertit references in `docker-compose.yml`.

6.24.2 Shutdown useless services

Now that your instances point the shared server. You can shutdown the useless services on each instance.

Start by stopping everything :

```
sudo systemctl stop geotrek
```

6.25 Control number of workers and request timeouts

By default, the application runs on 4 processes, and timeouts after 30 seconds.

To control those values, edit and fix your `docker-compose.yml` file in web and api section.

To know how many workers you should set, please refer to gunicorn documentation.

CHAPTER 7

SETTINGS DETAILS

7.1 Basic settings

Spatial reference identifier

```
SRID = 2154
```

Spatial reference identifier of your database. Default 2154 is RGF93 / Lambert-93 - France

It should not be change after any creation of geometries.

Choose wisely with epsg.io for example

Default Structure

```
DEFAULT_STRUCTURE_NAME = "GEOTEAM"
```

Name for your default structure.

This one can be changed, except it's tricky.

- *First change the name in the admin (authent/structure),*
- *Stop your instance admin.*
- *Change in the settings*
- *Re-run the server.*

Translations

```
MODELTRANSLATION_LANGUAGES = ('en', 'fr', 'it', 'es')
```

Languages of your project. It will be used to generate fields for translations. (ex: description_fr, description_en)

You won't be able to change it easily, avoid to add any languages and do not remove any.

7.2 Advanced settings

Spatial Extent

```
SPATIAL_EXTENT = (105000, 6150000, 1100000, 7150000)
```

Boundingbox of your project : x minimum , y minimum , x max, y max

```
    4 ^
      |
1     |     3
<-----+----->
      |
      |
    2 v
```

If you extend spatial extent, don't forget to load a new DEM that covers all the zone. If you shrink spatial extent, be sure there is no element in the removed zone or you will no more be able to see and edit it.

API

:: API_IS_PUBLIC = True

Choose if you want the API V2 to be available for everyone without authentication. This API provides access to promotion content (Treks, POIs, Touristic Contents ...). Set to False if Geotrek is intended to be used only for managing content and not promoting them. Note that this setting does not impact the Path endpoints, which means that the Paths informations will always need authentication to be display in the API, regardless of this setting.

Dynamic segmentation

```
TREKKING_TOPOLOGY_ENABLED = True
```

Use dynamic segmentation or not.

Do not change it after installation, or dump your database.

Map configuration

```
LEAFLET_CONFIG['TILES'] = [
    ('Scan', '//wxs.ign.fr/<key>/wmts?LAYER=GEOGRAPHICALGRIDSYSTEMS.MAPS.SCAN-EXPRESS.
↪STANDARD&EXCEPTIONS=image/jpeg&FORMAT=image/jpeg&SERVICE=WMTS&VERSION=1.0.0&
↪REQUEST=GetTile&STYLE=normal&TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}
↪',
     '&copy; IGN - GeoPortail'),
    ('Ortho', '//wxs.ign.fr/<key>/wmts?LAYER=ORTHOIMAGERY.ORTHOPHOTOS&
↪EXCEPTIONS=image/jpeg&FORMAT=image/jpeg&SERVICE=WMTS&VERSION=1.0.0&REQUEST=GetTile&
↪STYLE=normal&TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}',
     '&copy; IGN - GeoPortail'),
    ('Cadastre', '//wxs.ign.fr/<key>/wmts?LAYER=CADASTRALPARCELS.PARCELS&
↪EXCEPTIONS=image/jpeg&FORMAT=image/png&SERVICE=WMTS&VERSION=1.0.0&REQUEST=GetTile&
↪STYLE=normal&TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}',
     '&copy; IGN - GeoPortail'),
    ('OSM', 'http://{s}.tile.osm.org/{z}/{x}/{y}.png', '&copy; OSM contributors'),
]

LEAFLET_CONFIG['OVERLAYS'] = [
    ('Cadastre',
     '//wxs.ign.fr/<key>/wmts?LAYER=CADASTRALPARCELS.PARCELS&EXCEPTIONS=text/xml&
↪FORMAT=image/png&SERVICE=WMTS&VERSION=1.0.0&REQUEST=GetTile&STYLE=bdparcellaire_o&
↪TILEMATRIXSET=PM&TILEMATRIX={z}&TILEROW={y}&TILECOL={x}',
```

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```
    '&copy; IGN - GeoPortail'),
]
```

Configuration of the tiles.

If you want to change it, Change the array like that:

```
LEAFLET_CONFIG['TILES'] = [('NAME_OF_TILE', 'URL', 'COPYRIGHT'), ...]
```

It's the same for the overlay but use only transparent tiles.

```
LEAFLET_CONFIG['MAX_ZOOM'] = 19
```

You can define the max_zoom the user can zoom for all tiles.

It can be interesting when your tiles can't go to a zoom. For example OpenTopoMap is 17.

Enable Apps

```
FLATPAGES_ENABLED = True
```

Show Flatpages on menu or not. Flatpages are used in Geotrek-rando.

```
TOURISM_ENABLED = True
```

Show TouristicContents and TouristicEvents on menu or not.

```
TRAIL_MODEL_ENABLED = True
```

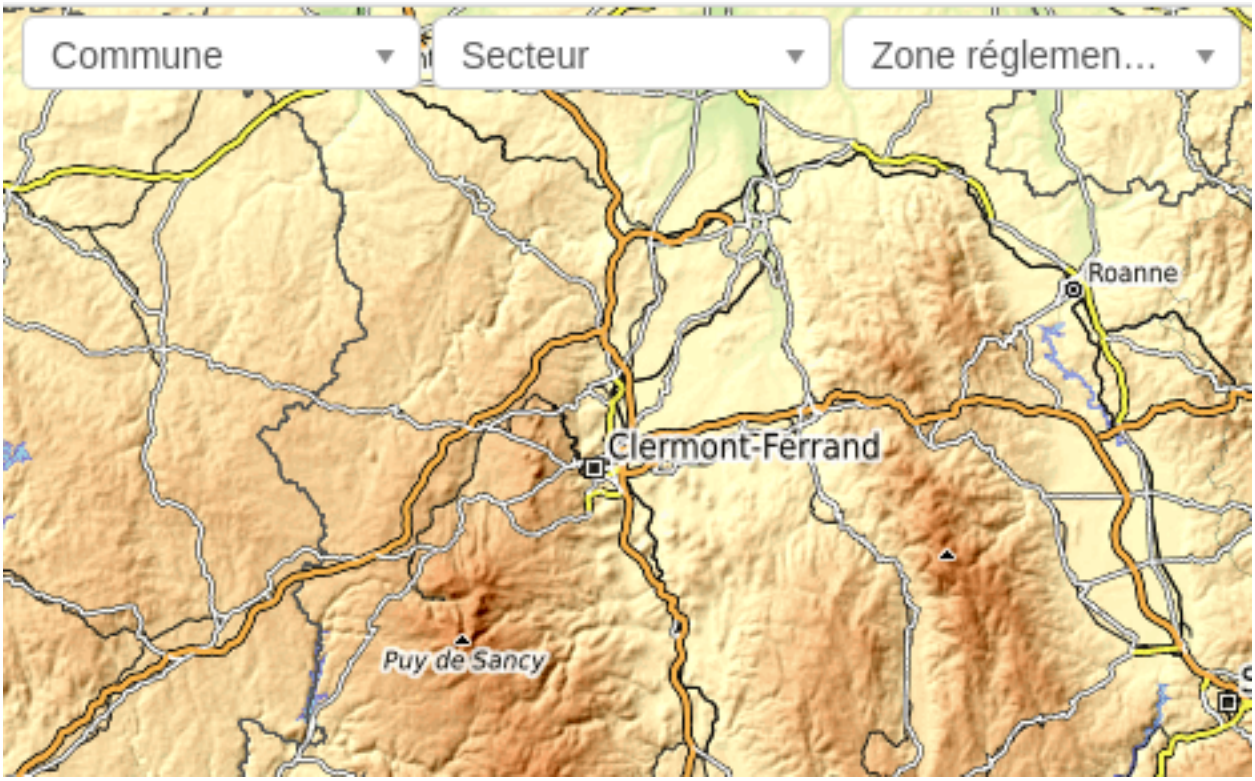
Show Trails on menu or not.

```
LANDEDGE_MODEL_ENABLED = True
```

Show land on menu or not.

```
LAND_BBOX_CITIES_ENABLED = True
LAND_BBOX_DISTRICTS_ENABLED = True
LAND_BBOX_AREAS_ENABLED = False
```

Show filter bbox by zoning.



Translations

```
LANGUAGE_CODE = 'fr'
```

Language of your interface.

Geographical CRUD

```
PATH_SNAPPING_DISTANCE = 2.0
```

Minimum distance to merge 2 paths in unit of SRID

> *Change the distance. Better to keep it like this. Not used when ‘‘TREKKING_TOPOLOGY_ENABLED = True‘‘.*

```
SNAP_DISTANCE = 30
```

Distance of snapping for the cursor in pixels on Leaflet map.

```
PATH_MERGE_SNAPPING_DISTANCE = 2
```

Minimum distance to merge 2 paths.

> *Change the distance. Should be higher or the same as PATH_SNAPPING_DISTANCE*
>
> *Used when TREKKING_TOPOLOGY_ENABLED = True*

```
MAP_STYLES = {'path': {'weight': 2, 'opacity': 1.0, 'color': '#FF4800'},
              'draftpath': {'weight': 5, 'opacity': 1, 'color': 'yellow', 'dashArray
↪': '8, 8'},
              'city': {'weight': 4, 'color': 'orange', 'opacity': 0.3, 'fillOpacity':␣
↪0.0},
              'district': {'weight': 6, 'color': 'orange', 'opacity': 0.3,
↪'fillOpacity': 0.0, 'dashArray': '12, 12'},
              'restrictedarea': {'weight': 2, 'color': 'red', 'opacity': 0.5,
↪'fillOpacity': 0.5},
              'land': {'weight': 4, 'color': 'red', 'opacity': 1.0},
              'physical': {'weight': 6, 'color': 'red', 'opacity': 1.0},
              'competence': {'weight': 4, 'color': 'red', 'opacity': 1.0},
              'workmanagement': {'weight': 4, 'color': 'red', 'opacity': 1.0},
              'signagemanagement': {'weight': 5, 'color': 'red', 'opacity': 1.0},
              'print': {'path': {'weight': 1},
                        'trek': {'color': '#FF3300', 'weight': 7, 'opacity': 0.5,
                                 'arrowColor': 'black', 'arrowSize': 10},}
              }
```

Color of the different layers on the map

To change any map_style do as following:

```
MAP_STYLES['path'] = {'weigth': 2, 'opacity': 2.0, 'color': 'yellow'}*
MAP_STYLES['city']['opacity'] = 0.8*
```

For color: use color picker for example

```
COLORS_POOL = {'land': ['#f37e79', '#7998f3', '#bbf379', '#f379df', '#f3bf79', '
↪#9c79f3', '#7af379'],
               'physical': ['#f3799d', '#79c1f3', '#e4f379', '#de79f3', '#79f3ba', '
↪#f39779', '#797ff3'],
               'competence': ['#a2f379', '#f379c6', '#79e9f3', '#f3d979', '#b579f3', '
↪#79f392', '#f37984'],
               'signagemanagement': ['#79a8f3', '#cbf379', '#f379ee', '#79f3e3', '
↪#79f3d3'],
               'workmanagement': ['#79a8f3', '#cbf379', '#f379ee', '#79f3e3', '#79f3d3
↪'],
               'restrictedarea': ['plum', 'violet', 'deeppink', 'orchid',
                                  'darkviolet', 'lightcoral', 'palevioletred',
                                  'MediumVioletRed', 'MediumOrchid', 'Magenta',
                                  'LightSalmon', 'HotPink', 'Fuchsia']}
```

Color of the different layers on the top right for landing.

- For land, physical, competence, signagemanagement, workmanagement should have 5 values.
- For restricted Area: add as many color as your number of restricted area type

To change any map_style do as following :

```
COLORS_POOL['restrictedarea'] = ['plum', 'violet', 'yellow', 'red', '#79a8f3
↪']
MAP_STYLES['city']['opacity'] = 0.8*
```

For color: use color picker for example

```
TREK_POINTS_OF_REFERENCE_ENABLED = True
```

Points of reference are enabled on form of treks.

```
TOPOLOGY_STATIC_OFFSETS = {'land': -5, 'physical': 0, 'competence': 5,
↪'signagemanagement': -10, 'workmanagement': 10}
```

Land objects are added on other objects (path for example) with offset, avoiding overlay.

You should not change it to avoid overlay except if you want to have more overlay. You can do for example for :

```
TOPOLOGY_STATIC_OFFSETS = {'land': -7, 'physical': 0, 'competence': 7,
↪'signagemanagement': -14, 'workmanagement': 14}
```

```
ALTIMETRIC_PROFILE_PRECISION = 25  # Sampling precision in meters
ALTIMETRIC_PROFILE_AVERAGE = 2  # nb of points for altimetry moving average
ALTIMETRIC_PROFILE_STEP = 1  # Step min precision for positive / negative altimetry␣
↪gain
ALTIMETRIC_PROFILE_BACKGROUND = 'white'
ALTIMETRIC_PROFILE_COLOR = '#F77E00'
ALTIMETRIC_PROFILE_HEIGHT = 400
ALTIMETRIC_PROFILE_WIDTH = 800
ALTIMETRIC_PROFILE_FONTSIZE = 25
ALTIMETRIC_PROFILE_FONT = 'ubuntu'
ALTIMETRIC_PROFILE_MIN_YSCALE = 1200  # Minimum y scale (in meters)
ALTIMETRIC_AREA_MAX_RESOLUTION = 150  # Maximum number of points (by width/height)
ALTIMETRIC_AREA_MARGIN = 0.15
```

All settings used for generate altimetric profile.

All this settings can be modify but you need to check the result every time

The only one modified most of the time is ALTIMETRIC_PROFILE_COLOR

Signage and Blade

```
BLADE_CODE_TYPE = int
```

Type of the blade code (str or int)

It can be str or int.

If you have an integer code : int

If you have an string code : str

```
BLADE_CODE_FORMAT = "{signagecode}-{bladenumber}"
```

Correspond of the format of blades. Show N3-1 for the blade 1 of the signage N3.

If you want to change : move information under bracket

You can also remove one element between bracket

You can do for exemple : "CD99.{signagecode}.{bladenumber}"

It will display : CD99.XIDNZEIU.01 (first blade of XIDNZEIU)

- *signagecode is the code of the signage*
- *bladenumber is the number of the blade*

```
LINE_CODE_FORMAT = "{signagecode}-{bladenumber}-{linenumber}"
```

Correspond of the format showed on export of lines. Used in csv of signage.

Similar with above You can do for example : "CD99.{signagecode}-{bladenumber}.{linenumber}"

It will display : CD99.XIDNZEIU-01.02 (second line of the first blade of XIDNZEIU)

- *signagecode is the code of the signage*
- *bladenumber is the number of the blade*
- *linenumber is the number of the line*

Screenshots

```
SHOW_SENSITIVE_AREAS_ON_MAP_SCREENSHOT = True
SHOW_POIS_ON_MAP_SCREENSHOT = True
SHOW_SERVICES_ON_MAP_SCREENSHOT = True
SHOW_SIGNAGES_ON_MAP_SCREENSHOT = True
SHOW_INFRASTRUCTURES_ON_MAP_SCREENSHOT = True
```

Show objects on maps of PDF

```
MAP_CAPTURE_SIZE = 800
```

Size in pixels of the capture.

Be careful with your pdfs. If you change this value, pdfs will be rendered differently

Synchro Geotrek-rando

```
SYNC_RANDO_ROOT = os.path.join(VAR_DIR, 'data')
```

Path on your server where the datas for Geotrek-rando website will be generated

> *If you want to modify it, do not forget to import os at the top of the file. Check* import Python *, if you need any information*

```
THUMBNAIL_COPYRIGHT_FORMAT = ""
```

Add a thumbnail on every picture for geotrek-rando

> *Example :*
>
> *"{title}-:-{author}-:-{legend}"*
>
> *Will display title of the picture, author and the legend : Puy de Dômes-:-Paul Paul-:-Beautiful sunrise on Puy de Dômes"*

```
THUMBNAIL_COPYRIGHT_SIZE = 15
```

Size of the thumbnail.

```
TOURISM_INTERSECTION_MARGIN = 500
```

Distance to which tourist contents, tourist events, treks, pois, services will be displayed

> *This distance can be changed by practice for treks in the admin.*

```
DIVING_INTERSECTION_MARGIN = 500
```

Distance to which dives will be displayed.

```
TREK_EXPORT_POI_LIST_LIMIT = 14
```

Limit of the number of pois on treks pdf.

> *14 is already a huge amount of POI, but it's possible to add more*

```
TREK_EXPORT_INFORMATION_DESK_LIST_LIMIT = 2
```

Limit of the number of information desks on treks pdf.

You can put -1 if you want all the information desks

```
SPLIT_TREKS_CATEGORIES_BY_PRACTICE = False
```

On the Geotrek-rando website, treks practices will be displayed separately

Field order for each practices in admin will be take in account

```
SPLIT_TREKS_CATEGORIES_BY_ACCESSIBILITY = False
```

On the Geotrek-rando website, accessibilites will be displayed separately

```
SPLIT_TREKS_CATEGORIES_BY_ITINERANCY = False
```

On the Geotrek-rando website, if a trek has a children it will be displayed separately

```
SPLIT_DIVES_CATEGORIES_BY_PRACTICE = True
```

On the Geotrek-rando website, dives practices will be displayed separately

```
HIDE_PUBLISHED_TREKS_IN_TOPOLOGIES = False
```

On the Geotrek-rando website, treks near other are hide

```
SYNC_RANDO_OPTIONS = {}
```

Options of the sync_rando command in Geotrek-admin interface.

```
TREK_WITH_POIS_PICTURES = False
```

It enables correlated pictures on Gotrek-rando to be displayed in the slideshow

```
PRIMARY_COLOR = "#7b8c12"
```

Primary color of your PDF *check : "color picker"*

```
ONLY_EXTERNAL_PUBLIC_PDF = False
```

On Geotrek-rando website, only PDF imported with filetype "Topoguide" will be used and not autogenerated.

```
TREK_CATEGORY_ORDER = 1
ITINERANCY_CATEGORY_ORDER = 2
DIVE_CATEGORY_ORDER = 10
TOURISTIC_EVENT_CATEGORY_ORDER = 99
```

Order of all the objects without practices on Geotrek-rando website

> *All the settings about order are the order inside Geotrek-rando website.*
>
> *Practices of diving, treks and categories of touristic contents are taken in account*

Synchro Geotrek-mobile

```
SYNC_MOBILE_ROOT = os.path.join(VAR_DIR, 'mobile')
```

Path on your server wehre the datas for mobile

> *If you want to modify it, do not forget to import os at the top of the file. Check* import Python *, if you need any information*

```
SYNC_MOBILE_OPTIONS = {'skip_tiles': False}
```

Options of the sync_mobile command

```
MOBILE_TILES_URL = ['https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png']
```

URL's Tiles used for the mobile.

Change for IGN:

```
MOBILE_TILES_URL = ['https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png']
```

```
MOBILE_LENGTH_INTERVALS =  [
    {"id": 1, "name": "< 10 km", "interval": [0, 9999]},
    {"id": 2, "name": "10 - 30", "interval": [9999, 29999]},
    {"id": 3, "name": "30 - 50", "interval": [30000, 50000]},
    {"id": 4, "name": "> 50 km", "interval": [50000, 999999]}
]
```

Intervals of the mobile for the length filter

Interval key is in meters. You can add new intervals

```
MOBILE_LENGTH_INTERVALS =  [
    {"id": 1, "name": "< 10 km", "interval": [0, 9999]},
    {"id": 2, "name": "10 - 30 km", "interval": [9999, 29999]},
    {"id": 3, "name": "30 - 50 km", "interval": [30000, 50000]},
    {"id": 4, "name": "50 - 80 km", "interval": [50000, 80000]}
    {"id": 5, "name": "> 80 km", "interval": [80000, 999999]}
]
```

```
MOBILE_ASCENT_INTERVALS = [
    {"id": 1, "name": "< 300 m", "interval": [0, 299]},
    {"id": 2, "name": "300 - 600", "interval": [300, 599]},
    {"id": 3, "name": "600 - 1000", "interval": [600, 999]},
    {"id": 4, "name": "> 1000 m", "interval": [1000, 9999]}
]
```

Intervals of the mobile for the ascent filter

Do the same as above

```
MOBILE_DURATION_INTERVALS = [
    {"id": 1, "name": "< 1 heure", "interval": [0, 1]},
    {"id": 2, "name": "1h - 2h30", "interval": [1, 2.5]},
    {"id": 3, "name": "2h30 - 5h", "interval": [2.5, 5]},
    {"id": 4, "name": "5h - 9h", "interval": [5, 9]},
    {"id": 5, "name": "> 9h", "interval": [9, 9999999]}
]
```

Intervals of the mobile for the duration filter

Check MOBILE_LENGTH_INTERVALS comment to use it, here interval correspond to 1 unit of hour

```
ENABLED_MOBILE_FILTERS = [
    'practice',
    'difficulty',
    'durations',
    'ascent',
    'lengths',
    'themes',
    'route',
    'districts',
    'cities',
    'accessibilities',
]
```

List of all the filters enabled on mobile.

Remove any of the filters if you don't want one of them. It's useless to add other one.

Other settings

```
SEND_REPORT_ACK = True
```

If false, no mail will be sent to the sender of any feedback on Geotrek-rando website

```
USE_BOOKLET_PDF = True
```

Use booklet for PDF. During the synchro, pois details will be removed, and the pages will be merged. It is possible to customize the pdf, with trek_public_booklet_pdf.html.

Custom SQL

Put your custom SQL in a file name `/opt/geotrek-admin/var/conf/extra_sql/<app name>/<pre or post>_<script name>.sql`

- app name is the name of the Django application, eg. trekking or tourism
- `pre_...` scripts are executed before Django migrations and `post_...` scripts after
- script are executed in INSTALLED_APPS order, then by alphabetical order of script names

CHAPTER 8

MAINTENANCE

8.1 Operating system updates

```
sudo apt-get update
sudo apt-get dist-upgrade
```

8.2 Application backup

Database

```
sudo -u postgres pg_dump -Fc geotrekdb > `date +%Y%m%d%H%M`-database.backup
```

Media files

```
tar -zcvf `date +%Y%m%d%H%M`-media.tar.gz /opt/geotrek-admin/var/media/
```

Configuration

```
tar -zcvf `date +%Y%m%d%H%M`-conf.tar.gz /opt/geotrek-admin/var/conf/
```

8.3 Application restore

If you restore Geotrek-admin on a new server, you will have to install PostgreSQL and PostGIS and create a database user first. Otherwise go directly to the database creation step.

Example for Ubuntu 18:

```
sudo apt install postgresql-10 postgresql-10-postgis-2.4
sudo -u postgres psql -c "CREATE USER geotrek PASSWORD 'geotrek';"
```

Create an empty database (geotrekdb in this example):

```
sudo -u postgres psql -c "CREATE DATABASE geotrekdb OWNER geotrek ENCODING 'UTF8'␣
↪TEMPLATE template0;"
sudo -u postgres psql -d geotrekdb -c "CREATE EXTENSION postgis;"
```

Restore backup:

```
sudo -u postgres pg_restore -d geotrekdb 20200510-geotrekdb.backup
```

Extract media and configuration files:

```
tar -zxvf 20200510-media.tar.gz
tar -zxvf 20200510-conf.tar.gz
```

Follow *Fresh installation* method. Choose to manage database by yourself.

8.4 PostgreSQL optimization

- Increase shared_buffers and work_mem according to your RAM
- Log long queries
- Use pg activity for monitoring

8.5 Access your database securely on your local machine (QGIS)

Instead of opening your database to the world (by opening the 5432 port for example), you can use SSH tunnels.

8.6 Major evolutions from version 2.33

From version 2.33, Geotrek-admin is packaged in a debian package. This mean several things :

- a system user geotrek is created on install ;
- base code is located in /opt/geotrek-admin folder ;
- geotrek is the new command, replacing bin/django, and must be run in root (system user geotrek is used after) ;
- there is no more settings.ini but an env file with environment variables ;
- configuration files (custom.py et env), parsers and all customisation files (templates and translations) are now located in /opt/geotrek-admin/var/conf ;
- we advise you to configure data synchronization in /opt/geotrek-admin/var

CHAPTER 9

SYNCHRONIZATION

9.1 Manual synchronization

To create data for Geotrek-rando (public web portal) and Geotrek-mobile (mobile phone app), just run this command:

```
sudo geotrek sync_rando /opt/geotrek-admin/var/data
```

The parameter is the destination directory for synchronized data. If you choose another directory, make sure the parent of this directory is writable by geotrek user. Otherwise you will get a PermissionError message.

If Geotrek-admin is not accessible on localhost:80, you have to use the `--url` option. To make output less or more verbose, you can use the `--verbose` option.

Since version 2.4.0 of Geotrek-admin, you can also launch the command `sync_rando` from the web interface. You can add synchronization options with advanced configuration setting `SYNC_RANDO_OPTIONS = {}`.

For example, if you add this line in `/opt/geotrek-admin/var/conf/custom.py` you will skip generation of map tiles files during the synchronisation : `SYNC_RANDO_OPTIONS = {'skip_tiles': True}`

9.2 Automatic synchronization

You can set up automatic synchronization by creating a file `/etc/cron.d/geotrek_sync` that contains:

```
0 3 * * * root /usr/sbin/geotrek sync_rando /opt/geotrek-admin/var/data
```

This example will automatically synchronize data a 3 am every day.

Note: it is required to give the full path to the geotrek command since cron set the PATH only to *bin:/usr/bin*.

9.3 Synchronization options

```
Options:
  -v VERBOSITY, --verbosity=VERBOSITY
                        Verbosity level; 0=minimal output, 1=normal output,
                        2=verbose output
  -u URL, --url=URL     Base URL of Geotrek-admin (eg. http://geotrek.myorganization.
↪com)
  -r URL, --rando-url=URL
                        Base URL of public Geotrek-rando website, used for static␣
↪html versions of objects pages
                        generated for Facebook in meta folder of data API
  -s SOURCE, --source=SOURCE
                        Filter by source(s)
  -P PORTAL, --portal=PORTAL
                        Filter by portal(s)
  -p, --skip-pdf        Skip generation of PDF files
  -t, --skip-tiles      Skip generation of map tiles files for Geotrek-mobile app v2
  -d, --skip-dem        Skip generation of Digital Elevation Model files for 3D view
  -e, --skip-profile-png
                        Skip generation of PNG elevation profile
  -w, --with-touristicevents
                        Include touristic events by trek in global.zip for Geotrek-
↪mobile v2
  -c CONTENT_CATEGORIES, --with-touristiccontent-categories=CONTENT_CATEGORIES
                        Include touristic contents by trek in global.zip for Geotrek-
↪mobile v2
                        (filtered by category ID ex: --with-touristiccontent-
↪categories="1,2,3")
  -g, --with-signages   Include published signages
  -i, --with-infrastructures
                        Include published infrastructures
```

Geotrek-mobile v3 uses its own synchronization command (see below). If you are not using Geotrek-mobile v2 anymore, it is recommanded to use `-t` option to don't generate big offline tiles directories, not used elsewhere than in Geotrek-mobile v2. Same for `-w` and `-c` option, only used for Geotrek-mobile v2.

9.4 Synchronization filtered by source and portal

You can filter treks, touristic contents, touristic events and static pages by source(s). For example, if you created 3 sources records named `source A`, `source B` and `source C` and you want to only export data from `source A` and `source B` to your web public portal, you can synchronize with:

```
sudo geotrek sync_rando --source "source A,source B" dataAB
```

Multiple sources are separated with comas (without space before or after coma). Do not forget to add double quotes after and before the parameter if there are spaces in source names. You can run several commands to export several sources combinations into several directories and use them to publish several distinct web portals.

You can do exactly the same with `Target_Portal` field value. It will include objects associated to the selected portal + those without portal.

```
sudo geotrek sync_rando --portal "portal A" dataA
```

9.5 Synchronization filtered by touristic content categories

In Geotrek-mobile v2, you can choose to also include touristic content per trek. You must specify ID categories :

```
sudo geotrek sync_rando --with-touristiccontent-categories="1,3"
```

Multiple categories are separated with comas (without space before or after coma).

9.6 Synchronization with a distant Geotrek-rando server

If your server hosts both Geotrek-admin and Geotrek-rando, you just have to configure Geotrek-rando so it uses the directory chosen above. Be sure NGINX or Apache will have access rights to read these data.

If you have separated servers, you have to copy files, for example with `rsync` command:

```
rsync /path/of/generated/data other-server:/path/of/generated/data
```

9.7 Geotrek-mobile app v3

The Geotrek-mobile app v3 has its own API and synchronization command called `sync_mobile`.

It has similar parameters as `sync_rando`:

```
sudo geotrek sync_mobile [-h] [--languages LANGUAGES] [--portal PORTAL]
                         [--skip-tiles] [--url URL] [--indent INDENT]
                         [--version] [-v {0,1,2,3}] [--settings SETTINGS]
                         [--pythonpath PYTHONPATH] [--traceback]
                         [--no-color] [--force-color]
                         path
```

CHAPTER 10

IMPORT DATA

10.1 Configure APIDAE (ex-SITRA) import

To import touristic content from APIDAE (ex-SITRA), edit `/opt/geotrek-admin/var/conf/parsers.py` file with the following content:

```
from geotrek.tourism.parsers import TouristicContentApidaeParser

class HebergementParser(TouristicContentApidaeParser):
    label = "Hébergements"
    api_key = 'xxxxxxxx'
    project_id = 9999
    selection_id = 99999
    category = "Hébergement"
    type1 = ["Camping"]
    type2 = ["3 étoiles", "Tourisme et Handicap"]  # just remove this line if no type2
```

Then set up appropriate values:

- `label` at your convenience,
- `api_key`, `project_id` and `selection_id` according to your APIDAE (ex-SITRA) configuration
- `category`, `type1` and `type2` (optional) to select in which Geotrek category/type imported objects should go
- You can add `delete = True` in your class if you want to delete objects in Geotrek databases that has been deleted in your Apidae selection. It will only delete objects that match with your class settings (category, types, portal...)
- You can also use the class `HebergementParser` if you only import accomodations
- See https://github.com/GeotrekCE/Geotrek-admin/blob/master/geotrek/tourism/parsers.py for details about Parsers

You can duplicate the class. Each class must have a different name. Don't forget the u character before strings if they contain non-ascii characters.

To apply changes, you may have to run `sudo service geotrek restart`.

10.2 Configure Marque Esprit Parc import

To import touristic content from Esprit Parc national database, create (or update) `/opt/geotrek-admin/var/conf/parsers.py` file with the following content:

```
from geotrek.tourism.parsers import EspritParcParser

class XXXEspritParcParser(EspritParcParser):
    label = "Marque Esprit Parc"
    url = "http://gestion.espritparcnational.com/ws/?f=getProduitsSelonParc&
↪codeParc=XXX"
```

Then set up appropriate values:

- `XXX` by unique national park code (ex: PNE)

You can duplicate the class. Each class must have a different name. Don't forget the u character before strings if they contain non-ascii characters.

In this case categories and types in Geotrek database have to be the same as in Esprit parc database. Otherwise missing categories and types will be created in Geotrek database.

Imported contents will be automatically published and approved.

If you use an url that filters a unique category, you can change its name. Example to get only Honey products and set the Geotrek category and type in which import them:

```
class MielEspritParcParser(EspritParcParser):
    label = "Miel Esprit Parc national"
    url = "https://gestion.espritparcnational.com/ws/?f=getProduitsSelonParc&
↪codeParc=XXX&typologie=API"
    constant_fields = {
        'category': "GeotrekCategoryName",
        'published': True,
        'approved': True,
        'deleted': False,
    }
    m2m_constant_fields = {
        'type1': ["GeotrekTypeName"],
    }
```

URL to get Esprit parc types: *https://gestion.espritparcnational.com/ws/?f=getTypologieProduits*.

10.3 Sensitive areas import

When sensitive areas module is enabled, Geotrek provides 3 parsers to import data:

- Import sensitive areas from http://biodiv-sports.fr (`geotrek.sensitivity.parsers.BiodivParser`). By default this parser imports all sensitive areas in configured spatial extent.
- Import species sensitive areas from a ziped shapefile. Imported field names are: `espece` (required), `contact` and `descriptio`. Species with corresponding names have to be created manually before import.

- Import regulatory sensitive areas from a ziped shapefile. Imported field names are: `nom` (required), `contact`, `descriptio`, `periode` (month numbers separated with comas), `pratiques` (separated with comas), and `url`. Practices with corresponding names have to be created manually before import.

You can start imports from "Import" menu or from command line. You can override them in your `var/conf/parsers.py` file.

10.4 Start import from command line

Just run:

```
sudo geotrek import HebergementParser
```

Change `HebergementParser` to match one of the class names in `var/conf/parsers.py` file. You can add `-v2` parameter to make the command more verbose (show progress). Thank to `cron` utility you can configure automatic imports.

10.5 Start import from Geotrek-admin UI

Open the top right menu and clic on `imports`.

10.6 Import from a file

You can also use some of Geotrek commands to import data from a file.

To list all Geotrek commands available:

```
sudo geotrek
```

To get help about a command:

```
sudo geotrek help <subcommand>
```

Example: `sudo geotrek help loadpoi`

CHAPTER 11

DOCKER

Docker is an alternative installation method, recommended for experts only. It allows to install several instances of Geotrek-admin on the same serveur, and to install it on other distributions than Ubuntu Linux 18.04.

11.1 Installation

1. Install Docker and Docker Compose, either from your distribution or from upstream packages (cf. https://docs.docker.com/install/)
2. Download the code from https://github.com/GeotrekCE/Geotrek-admin/releases or checkout it with git from https://github.com/GeotrekCE/Geotrek-admin/
3. Unzip the tarball
4. Copy `docker-compose-prod.yml` to `docker-compose.yml` and edit to feed your needs if necessary
5. Copy `.env-prod.dist` to `.env` and edit to feed your needs if necessary
6. Create user and database, enable PostGIS extension
7. Run `docker-compose run --rm web update.sh`
8. Run `docker-compose up`
9. Install NGINX (or equivalent) and add a configuration file (taking inspiration from `nginx.conf.in`)

11.2 Management commands

Replace `sudo geotrek ...` commands by `cd <install directory>; docker-compose run --rm web ./manage.py ...`

CHAPTER 12

SENSITIVITY

12.1 Enabling

Sensitivity module is disabled by default. To enable it, add the following code in the custom settings file:

```
# Enable sensitivity module
INSTALLED_APPS += ('geotrek.sensitivity', )
```

12.2 Settings

The following settings are related to sensitive areas:

```
# Default radius of sensitivity bubbles when not specified for species
SENSITIVITY_DEFAULT_RADIUS = 100  # meters

# Buffer around treks to intersects sensitive areas
SENSITIVE_AREA_INTERSECTION_MARGIN = 500  # meters
```

12.3 Import from https://biodiv-sports.fr

In user interface, in the top-right menu, clic on “Imports” and choose “Biodiv’Sports”.

On command line, run

```
sudo geotrek import geotrek.sensitivity.parsers.BiodivParser
```

12.4 Import from shapefile

In user interface, in the top-right menu, go to Imports and choose “Shapefile zone sensible espèce” or “Shapefile zone sensible réglementaire”.

On command line, run:

```
sudo geotrek import geotrek.sensitivity.parsers.SpeciesSensitiveAreaShapeParser <file.
↪shp>
```

or:

```
sudo geotrek  import geotrek.sensitivity.parsers.RegulatorySensitiveAreaShapeParser
↪<file.shp>.
```

Attributes for “zones sensibles espèce” are:

- especе : species name. Mandatory. A species with this name must have been previously created.
- contact : contact (text or HTML format). Optional.
- descriptio : description (text or HTML format). Optional.

Attributes for “zones sensibles réglementaires” are:

- name: zone name.
- contact : contact (text or HTML format). Optional.
- descriptio : description (text or HTML format). Optional.
- periode : month numbers of zone occupation, separated by comas, without spaces (ex. « 6,7,8 » for june, july and august)
- pratiques : sport practices names, separated by comas, without spaces (ex. « Terrestre,Aérien »). A sport practice with this name must have been previously created.
- url : card url. Optional.

12.5 Sync to Geotrek-rando

Just run:

```
sudo geotrek sync_rando <parameters>
```

as usual. If sensitivity module is enabled, sensitive areas will be automatically synced.

CHAPTER 13

TRANSLATING

Geotrek-admin can be translated online here: **‘https://weblate.makina-corpus.net/projects/geotrek-admin/‘_**

13.1 Getting started

- Create an account
- Browse by project
- Browse by language

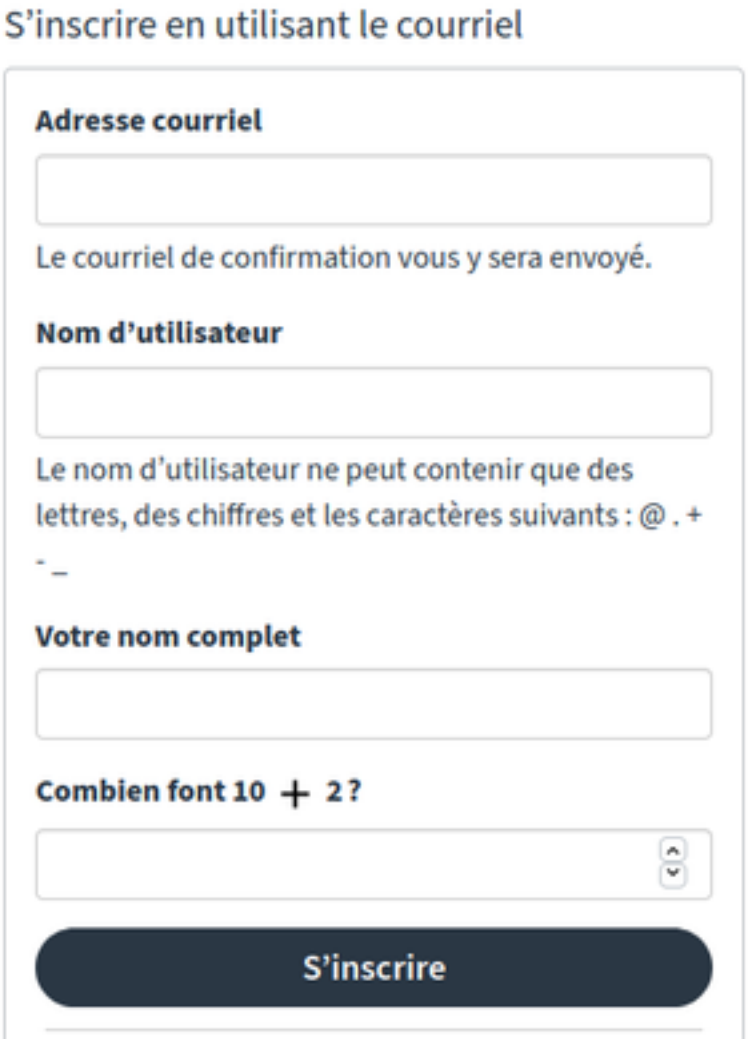
13.1.1 Create an account

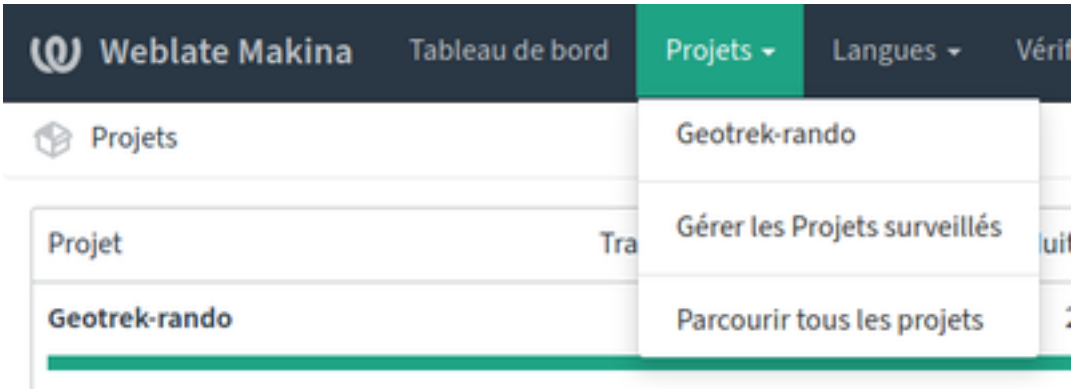
- Click on “Register”
- Fill the register form
- Validate your email
- Fill the password
- Then connect to weblate

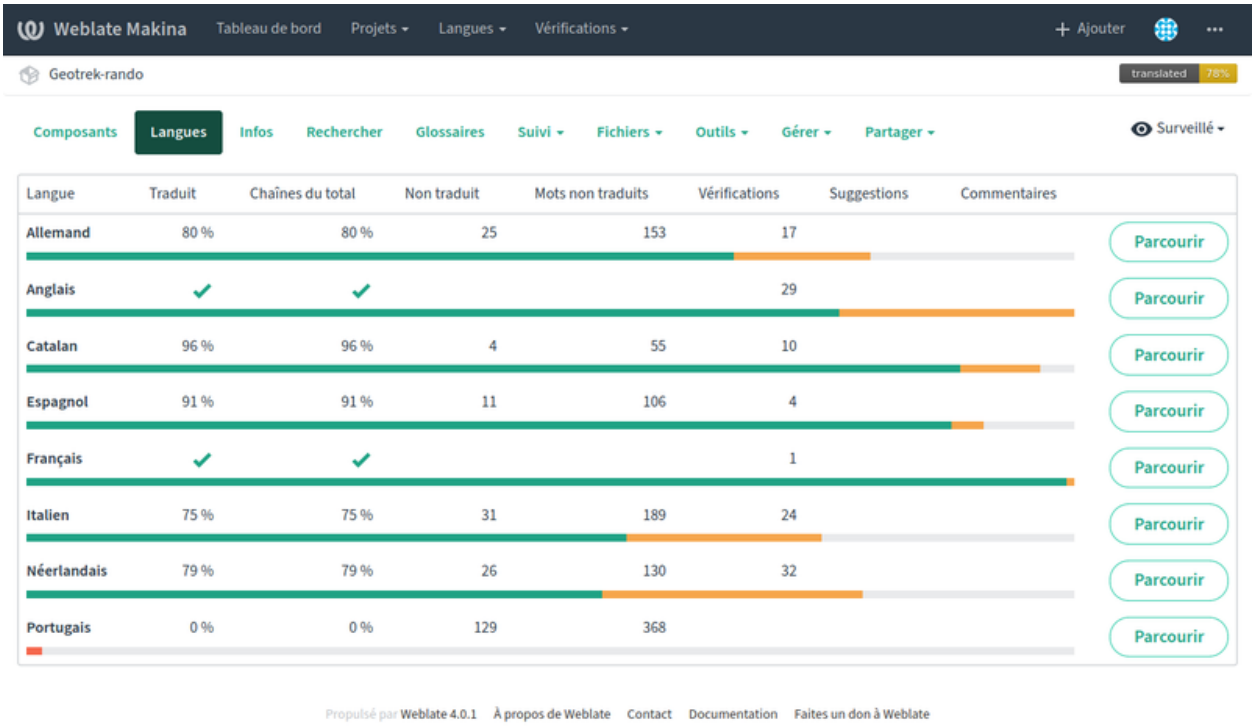
Official documentation to create an account and manage your profile.

13.1.2 Browse by project

- Go to “Project > Browse all projects”
- Select Geotrek-admin project
- Click on tab “Languages”
- Choose the language to translate


S’inscrire en utilisant le courriel
Adresse courriel
Le courriel de confirmation vous y sera envoyé.
Nom d’utilisateur
Le nom d’utilisateur ne peut contenir que des lettres, des chiffres et les caractères suivants : @ . + - _
Votre nom complet
Combien font 10 + 2 ?
S’inscrire


Weblate Makina
Tableau de bord
Projets
Langues
Projets
Geotrek-rando
Gérer les Projets surveillés
Parcourir tous les projets
Projet
Geotrek-rando



13.1.3 Browse by language

You could also choose language first

- Go to “Languages > Browse all languages”
- Choose the language you want to translate
- Select the project to translate

13.1.4 Select a coponent to translate

- Select a component (a module or a piece of documentation)
- Click on “Translate” to start translating

And let’s go!

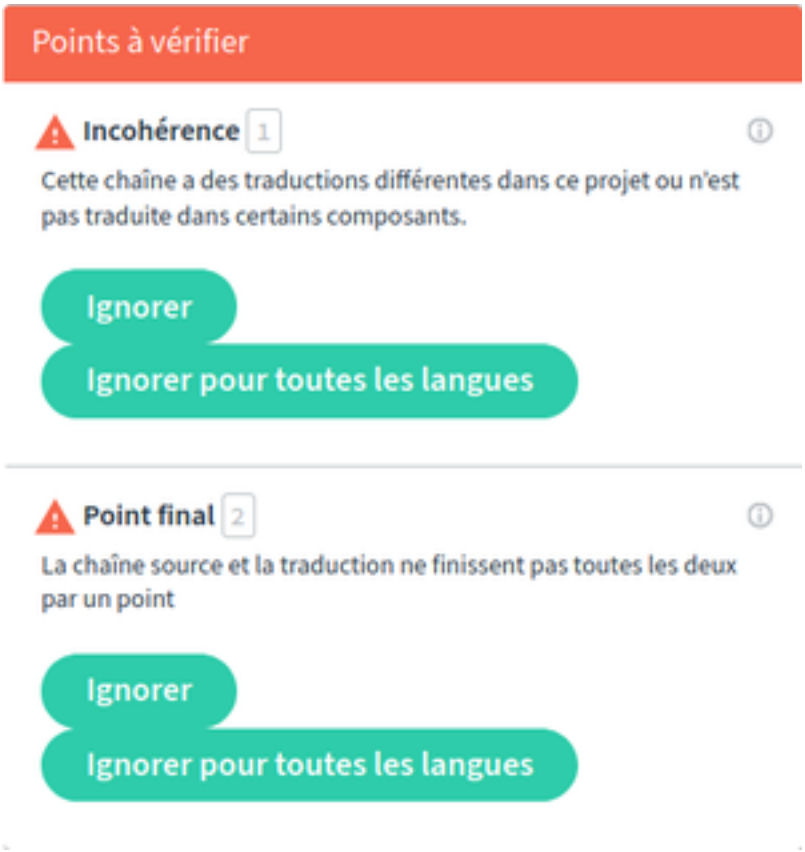
Weblate official documentation for translation.

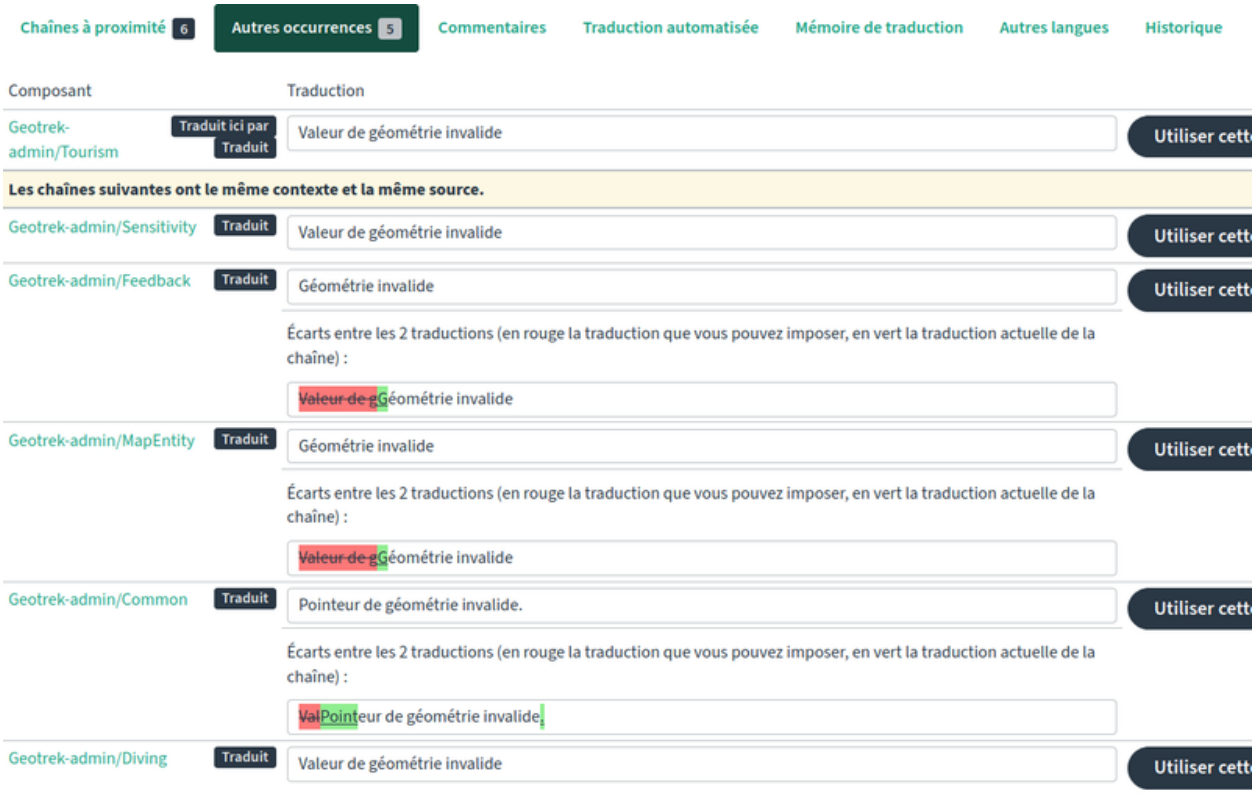
13.2 Translation features

Weblate shows all translation by language and by module. Errors and left to translate can be displayed easily.

Weblate can identify problematic translations as chains between projects, punctuation inconsistancy.

Other occurrences in all components allows to check consistency.


Points à vérifier
Incohérence 1
Cette chaîne a des traductions différentes dans ce projet ou n'est pas traduite dans certains composants.
Ignorer
Ignorer pour toutes les langues
Point final 2
La chaîne source et la traduction ne finissent pas toutes les deux par un point
Ignorer
Ignorer pour toutes les langues


Chaînes à proximité 6
Autres occurrences 5
Commentaires
Traduction automatisée
Mémoire de traduction
Autres langues
Historique
Composant
Traduction
Geotrek-admin/Tourism
Traduit ici par
Traduit
Valeur de géométrie invalide
Utiliser cett
Les chaînes suivantes ont le même contexte et la même source.
Geotrek-admin/Sensitivity
Traduit
Valeur de géométrie invalide
Utiliser cett
Geotrek-admin/Feedback
Traduit
Géométrie invalide
Utiliser cett
Écarts entre les 2 traductions (en rouge la traduction que vous pouvez imposer, en vert la traduction actuelle de la chaîne) :
Valeur de gGéométrie invalide
Geotrek-admin/MapEntity
Traduit
Géométrie invalide
Utiliser cett
Écarts entre les 2 traductions (en rouge la traduction que vous pouvez imposer, en vert la traduction actuelle de la chaîne) :
Valeur de gGéométrie invalide
Geotrek-admin/Common
Traduit
Pointeur de géométrie invalide.
Utiliser cett
Écarts entre les 2 traductions (en rouge la traduction que vous pouvez imposer, en vert la traduction actuelle de la chaîne) :
ValPointeur de géométrie invalide.
Geotrek-admin/Diving
Traduit
Valeur de géométrie invalide
Utiliser cett

Each translation generate a permalink (picto).

Weblate has a “Zen mode” showing only chains to translate.

13.3 Release translations (only for github repository managers)

Weblate send new translations to *translations* branch in Github, dedicated to translations. When new translations chains are validated, manager has to send the manually to Github.

For each release, *translations* branch must be merged into master before building the release.

13.3.1 Send modifications to Github repository

- In component, click “Manage > Repository maintenance”
- Click “Commit” to save translation in local repository
- Click “Push” to send local commits to *translations* branch in Github repository

13.3.2 Add translations to next release

1. In **Github**, merge *translations* branch into *master*, and update changelog.
2. After releasing, in **Weblate**, rebase the branche :
    - In the component, click “Manage > Repository maintenance”
    - Click “Rebase” to rebase *translations* branch onto *master*

CHAPTER 14

DEVELOPMENT

14.1 Quickstart

```
cp .env-dev.dist .env
# Edit .env if need be
cp docker-compose-dev.yml docker-compose.yml
docker-compose build
docker-compose run --rm web update.sh
docker-compose run --rm web load_data.sh
docker-compose run --rm web ./manage.py createsuperuser
docker-compose up -d
```

Got to http://localhost:8000

14.2 Contribution guide

14.2.1 Conventions

- Use flake8
- KISS & DRY as much as possible
- Elegant and generic is good, simple is better
- Commits messages are explicit and mention issue number (`(ref #12)` or `(fixes #23)`)
- Features are developed in a branch and merged from Github pull-requests.

14.2.2 Definition of done

- `docs/changelog.rst` is up-to-date

- A unit-test covers the bugfix or the new feature
- A frontend test (:path:jstests/nav-*.js) covers the navigation bug fix or feature
- A JS *Mocha* test (:path:jstests/tests.*.js) covers the JavaScript bug fix or feature
- Unit-tests coverage is above or at least equal with previous commits
- Settings have default value in `settings/base.py` or `conf/settings-default.ini`
- Installation instructions are up-to-date

Check TODO in the source tree:

```
find geotrek | xargs egrep -n -i '(TODO|XXX|temporary|FIXME)'
```

14.2.3 Release

On master branch:

- If need be, merge `translations` branch managed with https://weblate.makina-corpus.net
- Update files *VERSION*, *docs/conf.py* and *docs/changelog.rst* to remove `.dev0` suffix
- Run `dch -r -D RELEASED`, remove `~dev0` suffix in version and save
- Commit with message 'Release x.y.z' to merge in `master` branch before release
- Add git tag X.Y.Z
- Update files *VERSION*, *docs/conf.py* and *docs/changelog.rst* to increment version (using semantic versionning) and add `.dev0` suffix
- Run `dch -v <future version>~dev0 --no-force-save-on-release` and save
- Commit with message 'Back to development'
- Push branch and tag
- When pushing a release tag 'x.y.z', CircleCI will generate the .deb package file, and publish it on https://packages.geotrek.fr (see `.circleci/config.yml` file for details)
- Add release on Github (copy-paste `doc/changelog.rst` paragraph)

14.3 Developement

14.3.1 Model modification

```
docker-compose run web ./manage.py makemigrations <appName>
docker-compose run web ./manage.py migrate
```

Note: Add migration file to source control.

14.3.2 Run tests

`ENV` variable must be set to run tests:

```
docker-compose run --rm -e ENV=tests web ./manage.py test
```

Test without dynamic segmentation:

```
docker-compose run --rm -e ENV=tests_nds web ./manage.py test
```

14.3.3 Database reset

Data only:

```
docker-compose run web ./manage.py flush
```

14.3.4 Restore existing Database

Assuming a dump of your database is located in your project directory:

```
docker-compose run --rm web pg_restore -h $POSTGRES_HOST -U $POSTGRES_USER -d
↪$POSTGRES_DB /opt/geotrek/<path_to_backup>.dump
```

Restore your `./var/conf/` project files, and data files into `./var/media`.

Then run a synchronization.

14.3.5 Mapentity development

TODO

14.3.6 UML diagrams of data model

UML diagrams of Geotrek-admin data models are available in `docs/data-model` directory. To regenerate them from PostgreSQL, install postgresql-autodoc and graphviz Ubuntu packages and run `make uml`.

14.4 Documentation

A container based on sphinx image is created using docker-compose-dev.yml, documentation is built in watch mode thanks to sphinx-autobuild.

Access to documentation built in html : http://0.0.0.0:8800

14.4.1 Translate documentation

- Generate .pot if needed

```
docker-compose run --rm sphinx make gettext
```

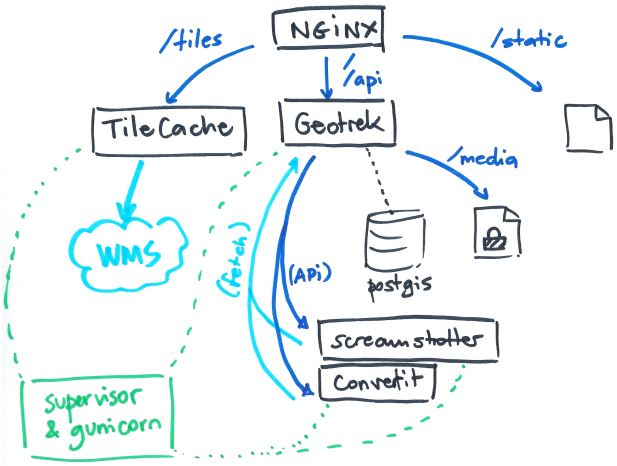
- Generate .po files

```
docker-compose run --rm sphinx sphinx-intl update -p _build/locale -l fr
```

CHAPTER 15

DESIGN

15.1 Architecture



- **Geotrek-admin**, the web application
- **Convertit**, a Web API to convert document and image formats (*.odt to .doc*, *.svg to .png*)
- **Screamshotter**, a Web API to perform Web pages screenshots (*map image exports*).

15.2 Main components

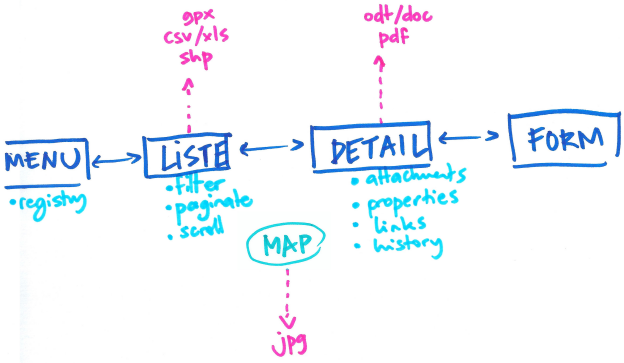
The whole project is built on top of *mapentity*.

A generic application in charge of:

- Menus and models registry

- List/Detail/Create/Update/Delete views
- Filtering
- Map images exports
- File attachment
- Document export
- Shapefile/GPX/CSV serializers

For a Django model, we use the registry to activate all views and menus:



Business specific notions are implemented in Geotrek-admin respective applications:

- **common**: shared concepts between all applications (*Organism*, *utils*, . . .)
- **authent**: groups, user, profile and structure notions. Optional external authent backend.
- **core**: elevation, paths, snapping, spatial referencing (topologies)
- **land**: static cities/districts/restricted areas layers, physical types, competence, signage and work management
- **infrastructure**: buildings, signages, equipements
- **maintenance**: interventions (on paths or on infrastructures) and projects
- **trekking**: POIs and treks

15.3 Django conventions twists

We have a couple of Django conventions infringements:

- SQL triggers everywhere: since Geotrek-admin database is to become the central storage component of all park organisation data, it has to behave consistently whether data is modified through the Web application or raw access tools (pgadmin, QGIS). (For example, insertion & update timestamps, geometry computation or DEM wrapping.)
- Safe delete: update field `deleted = True` instead of performing actual delete in table. Requires every querysets to be filtered on deleted. (**TODO**: use dango-safedelete, issue 813)

15.4 Main roles of PostgreSQL triggers

Automatic computation of fields :

- Date insert/update

- Geometry computation of linear referencing (topologies)
- DEM elevation wrapping (3D length, slope, etc.)

Topological path network :

- Split paths at intersection
- Snap paths extremities

CHAPTER 16

AUTHORS

16.1 Makina Corpus

- Gilles Bassière
- Sylvain Beorchia
- Mathieu Leplatre
- Anaïs Peyrucq
- Satya Azemar
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- Bastien Potiron
- Emmanuelle Helly

16.2 Parc national des Ecrins

- Camille Monchicourt

16.3 Others

- Michaël Viadere
- Guillaume Boitel
- Jean Lenormand

16.4 Credits

- *Information desk* by Alex Berkowitz from The Noun Project
- *Calendar* by Laurent Patain from The Noun Project
- *Restaurant* designed by Roberto Pinto from the Noun Project
- *Kayak* designed by johanna from the Noun Project
- *Luggage* designed by Luis Prado from the Noun Project
- *Location* designed by Jacob Lowe from the Noun Project
- *Food* designed by Rémy Médard from the Noun Project
- *Climbing* designed by Eric Milet from the Noun Project
- *Box Office* designed by Alessio Damiano from the Noun Project
- *Steep Descent* designed by Sergey Patutin from the Noun Project

CHAPTER 17

CHANGELOG

17.1 2.41.0 (2020-11-25)

New Feature

- Allow to install geotrek on ubuntu 20.04 and 18.04

Maintenance

- Upgrade from Django 2.2 to Django 3.1

Minor Changes

- Names of file in shapefiles changed

Bug fixes

- Truncate attachment legend too long in AttachmentParserMixin

17.2 2.40.1 (2020-11-23)

Bug fixes

- Fix dive pictogram (fix PDF crash)

Minor Changes

- Remove language from user profile. Now you can switch language from menu.
- More API v2 improvements (trek endpoint, new API_IS_PUBLIC setting)

Doc improvements

- Update translation

17.3 2.40.0 (2020-11-18)

New Features

- Handle different file formats in loadpoi command (all formats supported by gdal)
- Improve API V2 filters and endpoints

Bug fixes

- Fix tooltip hidden on module bar (change layout mode to display flex)

Doc improvements

- Reorganize index
- Add sphinx container for dev mode
- Improve custom dist to give right templates of values in parameters

17.4 2.39.1 (2020-10-28)

Bug fixes

- Fix delete draft permission should allow use delete button

17.5 2.39.0 (2020-10-27)

New Features

- Modification of API V2 routes
- Add some filtering on Treks in API V2

Doc improvements

- Fix doc development command line
- Improving docs : advanced configuration / synchronisation

17.6 2.38.6 (2020-10-20)

Bug fixes

- Fix middleware interfaces without ipv4

Minor Changes

- Pictogram for trek's label is optional

17.7 2.38.5 (2020-10-20)

New Features

- Create new label for trekking, move inside_park to this label

17.8 2.38.4 (2020-10-16)

New Features

- Add relation between a Report and a Trek
- Change Report mail template to link the related Report in admin

Minor Changes

- Handle Z coordinates on GPX files
- Force size pictograms in admin

Doc improvements

- Add info about what's new in 2.33
- Change commands and so according to 2.33 [camillemonchicourt]
- Fix doc about spatial extent setting

17.9 2.38.3 (2020-10-05)

Bug fixes

- Fix diving levels display on lists
- Fix scrollable leaflet right control layer
- Fix lists in csv (#2286)

Doc improvements

- Add doc for translating
- Update synchronization with sync_rando options (Thanks JeanLenormand)

New Feature

- Show booklet pdf version on detail view

17.10 2.38.2 (2020-09-24)

Bug fixes

- Fix APIDAE parser when there is no element
- Fix booklet generation with pdfimpose

17.11 2.38.1 (2020-09-22)

Bug fixes

- Fix USE_BOOKLET_PDF setting

17.12 2.38.0 (2020-09-21)

New Feature

- Add facebook informations on target Portals
- Add description and title on target Portals
- Synchronize multiple meta informations with target portals.
- Add booklet pdfs with setting USE_BOOKLET_PDF

Bug fixes

- Fix stake deletion list
- Fix generation of stake automatically created with factories

Minor changes

- Fix use of screamshotter and convertit for development
- Use official postgis docker image
- Change of legend size on pdfs

Doc fixes

- Update suricate configuration doc
- Update anonymize report documentation

17.13 2.37.0 (2020-09-16)

Bug fixes

- Fix script install

New Feature

- Add second external id api v2 for treks

17.14 2.36.1 (2020-09-04)

Bug fixes

- Fix crash in json DEM generation if the topology is a point

17.15 2.36.0 (2020-09-01)

New Feature

- Allow to (un)publish some cities/district/areas on Geotrek-rando/mobile

17.16 2.35.1 (2020-08-24)

Bug fixes

- Really add an id field to each SQL view

17.17 2.35.0 (2020-08-21)

New Feature

- Allow for custom SQL to be run at install/upgrade

Bug fixes

- Add an id field to each SQL view to allow QGIS to open them

17.18 2.34.0 (2020-07-10)

New Feature

- Add reservation system/id fields to treks to allow itinerancy online booking
- Add category code (used in Geotrek-rando) to categories list in admin

Minor changes

- Add install scripts for Ubuntu packages

Bug fixes

- Fix icons display in categories list in admin

17.19 2.33.13 (2020-07-01)

New Feature

- Add fields to reports for Suricate support
- Add helper to send report to Suricate API on save, if setting *SURICATE_REPORT_ENABLED* is *True*

17.20 2.33.12 (2020-06-23)

Bug fixes

- Change doc flatpages-flatpages.jpg to png
- Fix line topologies create path
- Fix svg's fixtures wich cannot be tranform as png with cairosvg
- Fix duration's filter mobile
- Fix report email OSM coords

New Feature

- Synchro mobile get only used practice, themes, networks ...

17.21 2.33.11 (2020-06-05)

Bug fixes

- Fix long attachments name synchro

17.22 2.33.10 (2020-06-02)

Bug fixes

- Fix migration is_image 0011_attachment_add_is_image

New Feature

- Allow to clean attachments not used anymore (clean_attachments)

17.23 2.33.9 (2020-06-02)

Bug fixes

- Fix small treks profile

17.24 2.33.8 (2020-05-22)

Bug fixes

- Fix package install if geotrek user already exists
- Attachment download error breaks global import

17.25 2.33.7 (2020-05-18)

Bug fixes

- Show blades without line in signage detail page
- Fix information desks editing
- Fix trek and POI filtering

17.26 2.33.6 (2020-05-14)

Bug fixes

- Don't overwrite initial data in existing database on first install

17.27 2.33.5 (2020-05-13)

Bug fixes

- Add a scrollbar to signage and blade forms
- Fix city affectation for looping paths
- Fix attachment download with redirection
- Fix logout next page
- Fix blade/line creation crash
- Fix lines layout in blade detail page

Upgrade notes

If you installed version 2.33.3 before (no matter if you upgrade directly or from 2.33.4), you should get errors like "django.db.utils.ProgrammingError: column "deleted" of relation signage_blade". To fix them, run `sudo geotrek migrate --fake signage 0016;`.

17.28 2.33.4 (2020-05-04)

Minor changes

- Improve blade CSV export

Bug fixes

- Fix ordering of blades
- Fix empty attachment link in admin list
- Fix some french translations
- Fix redirections when downloading attachments in parsers
- Fix migrations when DB contains a deleted blade
- Fix stdout flush in sync commands

Maintenance

- Upgrade from Django 2.0 to Django 2.2
- Fix deprecation warnings

17.29 2.33.3 (2020-04-28)

No changes. Just force a new build in CI

17.30 2.33.2 (2020-04-28)

No changes. Just force a new build in CI

17.31 2.33.1 (2020-04-28)

No changes. Just force a new build in CI

17.32 2.33.0 (2020-04-28)

BREAKING CHANGES

- New installation method (Ubuntu packaging)
- Alternative installation method (Docker, for experts only)
- Remove name field from feedback report, to be GDPR compliant
- Rename functions, triggers and sequences in database

Bug fixes

- Fix timeout when saving long treks (increase computation performances)
- Fix mecanism to put tables in postgresql schemas
- Better download errors handling in parsers
- Make sure signage and related blade have the same related structure

Maintenance

- Upgrade from Django 1.11 to Django 2.0

New features

- Allow to attach interventions to blades, paths, trails, treks, POIs and services in addition to infrastructures and signages
- Allow to merge dropdown list items in admin. Check them in list view and choose "Action: Merge"
- Add a django command to erase email from feedback reports after 365 days

Upgrade notes

- The installation method has been totally rewritten with an Ubuntu packaging (`apt install geotrek-admin`), only available for Ubuntu 18.04 actually.
- If you upgrade from Geotrek-admin <= 2.32, then apply the dedicated migration script. See https://geotrek.readthedocs.io/en/master/installation.html#upgrade-from-geotrek-admin-2-32.
- Geotrek-admin is now automatically installed in `/opt/geotrek-admin/` directory and the advanced configuration file moved to `/opt/geotrek-admin/var/conf/custom.py`. See advanced configuration documentation for details.
- The automatic NGINX configuration can be overriden in `/opt/geotrek-admin/var/conf/nginx.conf.in` file. See NGINX configuration documentation for details.

17.33 2.32.11 (2020-03-17)

Minor changes

- Add UML digrams of data model to documentation
- Remove URL in weblinks dropdown

- Move ambiance after description teaser

Bug fixes

- Fix a WeasyPrint warning
- Fix zoning filters on path

17.34 2.32.10 (2020-03-11)

Bug fixes

- Fix POI, touristic contents and touristic events sort in mobile v3 API
- Change Lambert93 signage coordinates format
- Fix TourInSoftparser with # inside <MoyenDeCom> values
- Show File and URL fields as required in attachement form
- Do not show Function field as required in Intervention form
- Do not show Amount and Organism fields as required in Project form

17.35 2.32.9 (2020-03-06)

Bug fixes

- Fix "upper bound of FOR loop cannot be null" crash in SQL triggers

17.36 2.32.8 (2020-03-05)

Minor changes

- Allow to choose Touristic content ordering in API
- Add external ID to projects and interventions

Bug fixes

- Fix the modification of the published field without the "Can publish. . . " permission

17.37 2.32.7 (2020-03-02)

BREAKING CHANGES

- Rename tables and fields in database

Minor changes

- Retry on HTTP 503 errors in parsers

Bug fixes

- Fix install on Xenial (again)
- Fix video embed url https

- Fix “Only LINESTRING and MULTILINESTRING are supported” crash in SQL triggers

17.38 2.32.6 (2020-02-28)

DO NOT USE IT!

17.39 2.32.5 (2020-02-18)

Bug fixes

- Fix filters sort in mobile v3 API

17.40 2.32.4 (2020-02-12)

Bug fixes

- Fix install on Xenial

17.41 2.32.3 (2020-01-27)

Bug fixes

- Fix review, publish do not display after resave a published or without permission to publish
- Fix attachment asterisks and crispy form
- Display only one time the same path when on trail detail

17.42 2.32.2 (2020-01-09)

Bug fixes

- Upgrade WeasyPrint

17.43 2.32.1 (2019-12-20)

Bug fixes

- Fix a crash in stake computation when adding an intervention
- Fix a crash in project list when one of them has no end year
- Fix drapping with no-data DEM values
- Fix nav pills to choose language in forms

17.44 2.32.0 (2019-12-13)

New features

- Add DISPLAY_SRID into settings to allow user to choose it's own format for GPS coordinates
- Make some fields optional (class Trail, Intervention, Project, OrdererdTrekChild, POI)
- Sort dropdown lists
- Document settings

17.45 2.31.0 (2019-12-06)

New features

- Sync mobile data from web UI
- The SHOW_LABELS setting allows to hide status labels on map

17.46 2.30.0 (2019-11-26)

Breaking changes

- Remove support of Ubuntu 14.04 Trusty

Maintenance

- Move from Python 2 to Python 3

Bug fixes

- Fix PDF generation for not published treks

17.47 2.29.15 (2019-11-12)

Bug fixes

- Fix install (use a version of venusian that is compatible with Python 2)

17.48 2.29.14 (2019-11-04)

Bug fixes

- Do not check structure for excluded POIs

17.49 2.29.13 (2019-10-30)

Minor changes

- Do not set structure by default when creating elements in dropdown lists.

- Trek duration is now optional
- Automatically disable empty filters in API for mobile v3
- Add support for Tourinsoft v3 in addition to v2
- Add more links form/to sensitive areas
- Add more unit tests

Bug fixes

- Fix SEO for static page titles
- Fix TouristicContentParser deletion having type1/2 with same values
- Fix serialization of MultiPolygon sensitive areas

17.50 2.29.12 (2019-10-23)

Minor changes

- Show completeness on dive detail page
- Add practice field to trek and dive completeness

Bug fixes

- Fix multiple sensitive areas on treks with settings SENSITIVE_AREA_INTERSECTION_MARGIN = 0
- Fix multiple sensitive areas on dives

17.51 2.29.11 (2019-10-17)

Bug fixes

- Fix filter still available after come back to list
- Add settings allowing to change permission on voluminous datas. Voluminous datas are not stocked at the same place

17.52 2.29.10 (2019-10-08)

Minor changes

- Do not set username as attachment author by default

Bug fixes

- Don't crash sync_rando with PIL.Image.DecompressionBombError
- Fix mode selection when adding/editing an attachment
- Fix authenticated parsers

17.53 2.29.9 (2019-10-02)

Bug fixes

- Fix sync_rando : sensitive area with multi polygons

17.54 2.29.8 (2019-09-26)

Minor Changes

- Increase path name field length

Bug fixes

- Fix csv_display signage with not ascii character

17.55 2.29.7 (2019-09-25)

Minor Changes

- Add pois services tourism on sync_rando
- Add endpoints api for diving

Bug fixes

- Fix is_public() call checking if the object is ppublic or not.
- Remove duplicate description detail diving

17.56 2.29.6 (2019-09-19)

Bug fixes

- Fix sync_rando command with diving

17.57 2.29.5 (2019-09-13)

Bug fixes

- Sync POIs related to dives
- Fix sync of manual PDF (again)

17.58 2.29.4 (2019-09-09)

Minor Changes

- Add reviews in dives module

Bug fixes

- Fix length should be length_2d in pdfs

17.59 2.29.3 (2019-08-28)

Minor Changes

- Allow to override nginx port in etc/settings.ini

Bug fixes

- Fix sync of manual PDF

17.60 2.29.2 (2019-08-28)

Minor Changes

- Add a command to import dives

Bug Fixes

- Fix crash when a dive is not a point

17.61 2.29.1 (2019-08-26)

Minor Changes

- Show treks related to dives

Bug fixes

- Fix retrieval of content-length of attachments with HTTPS
- Fix detection of hardcoded SRID in migrations
- Fix Est/West swap in diving module
- Fix version of more-itertools
- Fix missing difficulty and technical levels in dive detail page and PDF

17.62 2.29.0 (2019-08-20)

New features

- Diving module (optional, see manual to enable)

Minor Changes

- Improve mobile sync
- Do not automatically zoom over level 16

Bug fixes

- Fix black map screenshots (after a manual cache deletion)
- Fix related POI order with dynamic segmentation disabled

17.63 2.28.0 (2019-08-09)

New features

- Geotrek without dynamic segmentation is back

Minor Changes

- Add a settings allowing to remove certain items from the left menu
- Serve attachment with 'Topoguide' type as public PDF

Bug fixes

- Fix missing pictograms for mobile app
- Translate feedback acknoledgment email
- Fix sync_mobile command for itinerancy

17.64 2.27.12 (2019-07-22)

Minor Changes

- Add itinerancy mobile

17.65 2.27.11 (2019-07-17)

Minor Changes

- Change condition's on_delete for SET_NULL
- Add the possibility to add Multipoint with one Point on commands loadinfrastructure/loadsignage

Bug fixes

- Fix choices fields, should only take in account existing (not deleted) elements
- Fix delete Organism
- Fix sensitivity parser with MultiPolygon
- Fix profile and languages

17.66 2.27.10 (2019-07-10)

Minor Changes

- Set OpenTopoMap as default map background
- Resize information desk type pictograms in mobile API

Bug fixes

- Fix delete intervention type

17.67 2.27.9 (2019-07-01)

Minor Changes

- Add ambiance field to trek detail endpoint in mobile API

17.68 2.27.8 (2019-06-28)

Minor Changes

- Add primary color setting for PDF
- Allow to override practices pictogram color in custom trek PDF template

17.69 2.27.7 (2019-06-26)

Bug fixes

- Fix public PDF overflow
- Resize category and POI pictograms for mobile app
- Convert pictograms from SVG to PNG for mobile app
- Fix structure (or not) related scrolldowns validation
- Remove unvisible paths in remove_duplicate_paths command
- Fix list of additional layers in layer selector
- Don't reset excluded POIs when saving treks

Minor Changes

- Allow to merge multiple comment columns when importing paths
- Add color field to touristic contents categories (for mobile app only)
- Handle invalid geometries when importing districts

17.70 2.27.6 (2019-06-04)

Bug fixes

- Fix mobile API

17.71 2.27.5 (2019-05-29)

Bug fixes

- Fix regulatory sensitive area parser
- Fix handling of parser errors

17.72 2.27.4 (2019-05-27)

Bug fixes

- Fix crash with –srid option of loadpaths command
- Add option portal in sync_mobile for the treks
- Fix encoding error on watermarks
- Fix bad references to sync_mobile in sync_rando command

17.73 2.27.3 (2019-05-23)

New features

- Allow to set order of filters in mobile API
- Add ascent and district filters to mobile API

Minor Changes

- Replace text by an id in url of pictures with watermarks
- Change default settings watermark

Documentation

- Add PDF overriding section

17.74 2.27.2 (2019-05-14)

Minor Changes

- Add points_reference by treks in api mobile

Bug fixes

- Remove public pdf poi
- Fix filter cities without paths

17.75 2.27.1 (2019-05-06)

Bug fixes

- Fix api mobile with only sensitivity app

17.76 2.27.0 (2019-05-02)

New features

- Add watermark on pictures
- Allow to change structure of an object with permission by_pass_structure

Bug fixes

- Fix a floating point computation problem in SQL trigger
- Fix trails in detail of intervention and opposite
- Fix color on restricted area

17.77 2.26.5 (2019-04-19)

Bug fixes

- Add slug to mobile API
- Fix crash with empty images

17.78 2.26.4 (2019-04-18)

Bug fixes

- Fix migration tourism 0004

17.79 2.26.3 (2019-04-12)

Bug fixes

- Fix parsers delete datas

Minor Changes

- Add command loaddistrict, loadcities, loadpaths

17.80 2.26.2 (2019-04-10)

Bug fixes

- Fix sync_rando command (BadZipfile exception)
- Fix nginx and Django conf when SSL is enabled
- Fix restricted area layers

17.81 2.26.1 (2019-04-03)

Bug fixes

- Fix blade form
- Fix sync_mobile, sync_rando with url https and http

17.82 2.26.0 (2019-04-01)

New features

- New API for mobile app v3

Bug fixes

- Fix signage type pictograms
- Some cosmetics on tourism detail pages (clickable links)
- Fix Tourinsoft opening period parsing (multiple periods)
- Fix Bad Status Line exception

17.83 2.25.3 (2019-03-26)

Bug fixes

- Fix Tourinsoft parsers one time again (practical info for events)

17.84 2.25.2 (2019-03-26)

Bug fixes

- Fix Tourinsoft parsers again (postal address)

17.85 2.25.1 (2019-03-25)

Bug fixes

- Fix Tourinsoft parsers

17.86 2.25.0 (2019-03-25)

New features / Performances

- Add the possibility to load layers (do not load them automatically)

Minor changes

- Add Touristic Content TourInSoft Parser
- Add tool testing ign keys without ggp3

Documentation

- How to update IGN urls

17.87 2.24.8 (2019-03-15)

Bug fixes

- Fix bug parsers filetype not related with structure

17.88 2.24.7 (2019-03-13)

Minor changes

- Add elevation on sensible areas

Bug fixes

- Fix retry sync_rando tiles when tiles does not exist (landez 2.4.1)

17.89 2.24.6 (2019-03-07)

Bug fixes

- When updating interventions, stake field is no more required
- Fix duplicates in year filters in intervention module
- Configurable blade code
- Allow letters in blade number
- Improve signage templates
- Add “On signage/infrastructure” filter on intervention list

17.90 2.24.5 (2019-03-06)

Performances

- Add index to date_update columns

17.91 2.24.4 (2019-03-01)

Bug fixes

- Fix get attachments with crop

17.92 2.24.3 (2019-02-28)

Bug fixes

- Fix get attachments using generic foreign and not url
- Fix merge path

17.93 2.24.2 (2019-02-26)

Bug fixes

- Fix attachments and history linked with signage and infrastructure

17.94 2.24.1 (2019-02-12)

Bug fixes

- Fix install.sh (pin cairocffi version)
- Fix routing on paths with sharp angles
- Fix loadrestrictedareas command
- Fix altimetry on straight portions of paths
- Various signage fixes

Performances

- Allow client side caching with systematic revalidation for Layer, JsonList and graph views
- Remove validation of history bar
- Don't bringToFront() every single feature on map
- Do not show bullets at path extremities anymore by default. Set SHOW_EXTREMITIES setting to True in custom.py enable them.
- Remove networks and trails columns in path list

17.95 2.24.0 (2019-01-28)

New features

- Bulk path deletion

17.96 2.23.0 (2019-01-24)

New features

- Signage blades management
- Add gpx and kml export for path detail view
- Allow to load local GPX/Geojson file in list views

Bug fixes

- Fix sensitive areas API v2
- Fix migrations if infrastructure app not is not installed

17.97 2.22.10 (2019-01-09)

Bug fixes

- Fix duplicated results in API v2 with sensitive area filters

17.98 2.22.9 (2019-01-09)

Minor changes

- Separate Infrastructure and Signage models
- Create parser touristic event for apidae
- Refactor ApidaeParser

Bug fixes

- Add italian translations that are visible on Geotrek-rando
- Fix permissions attachments paperclip

Performances

- Improve map's performances

17.99 2.22.8 (2019-01-03)

Minor changes

- Now, empty portal field means "all portals" instead of "no portal"

17.100 2.22.7 (2019-01-03)

Bug fixes

- Fix command loadinfrastructure

17.101 2.22.6 (2019-01-02)

Minor changes

- Index path draft field
- Add eid field to load_infrastructure command
- Add loadrestrictedarea command
- Install postgis package

17.102 2.22.5 (2018-12-19)

Bug fixes

- Fix DB migration

17.103 2.22.4 (2018-12-19)

Bug fixes

- Replace u2028 and u2029 by n in synced (geo)json files (fix Geotrek-mobile crash)

Minor changes

- Add EID field to all models and increase its length

17.104 2.22.3 (2018-12-14)

Bug fixes

- Don't publish deleted infrastructures/signages
- Add default pictograms to published infrastructures/signages

17.105 2.22.2 (2018-12-10)

Bug fixes

- Fix bugs with HTTPS access
- Fix for some modules to edit attributes and not the geometry

Minor changes

- add options to sync signages and infrastructures
- sync global signages and infrastructures

17.106 2.22.1 (2018-11-27)

Bug fixes

- Fix trekking form with pois_excluded
- Give the possibility to get type of infrastructures and signages without structure

17.107 2.22.0 (2018-11-27)

New features

- Allow to publish signage and infrastructure

- Allow to exclude POIs from a trek
- New access rights to edit draft path
- New access rights to edit attributes and not the geometry
- Allow to remove duplicate path in database : command remove_duplicate_paths

Bug fixes

- Fix snap on crossing point : take all paths easier
- Fix a clash between current url and SYNC_RANDO_OPTIONS
- Fix screamshotter when SSL is enabled

17.108 2.21.1 (2018-09-18)

Breaking changes

- Remove type1 from trek API when SPLIT_TREKS_CATEGORIES_BY_PRACTICE is not set
- Rename Trek category label to Hike in API. You can override this in geotrek/locale/<language code>/LC_MESSAGES/django.po files

Bug fixes

- Fix crash in log entries view

Minor changes

- Save column sort by module
- Rename SITRA to APIDAE

17.109 2.21.0 (2018-09-04)

New features

- Path deletion warning page now shows linked topologies
- Allow to add Dailymotion video attachments
- Add a command to unset structure in lists of choices and group choices with the same name

Bug fixes

- Fix Sync_rando View
- Fix loaddem
- Fix creation of Youtube/Soundcloud attachments
- Fix cancellation when editing geometries
- Show which structure choices are related to
- Add confort and stake filters to path list
- Fix sync of touristic contents for mobile app

17.110 2.20.1 (2018-07-16)

Bug fixes

- Fix Completed Filter in Touristic Event

17.111 2.20.0 (2018-06-27)

New features

- Allow to share glossaries between structure (just keep structure field empty)
- Allow to import infrastructures, not only signages
- Allow to split treks by itinerancy
- Path deletion does not delete the related point topologies anymore. Instead point topologies are linked to the nearest remaining path.
- Keep inode and mtime when synced file don't change

Minor changes

- Optional img-responsive class on flatpage images

Bug fixes

- Fix virtualenv install
- Upgrade celery to 4.1.1
- Fix the bug which remove a path when we merge 2 paths with a 3rd path on the point of merge. (ref #1747)

17.112 2.19.1 (2018-05-28)

Bug fixes

- Update APIDAE API URL
- Fix filename encoding errors in import

17.113 2.19.0 (2018-05-22)

Minor changes

- Allow to specify encoding when importing data

17.114 2.18.5 (2018-05-07)

Bug fixes

- Fix related structure when creating new objects

Minor changes

- Show related structure on all detail pages

17.115 2.18.4 (2018-05-02)

Bug fixes

- Fix sync of deleted sensitive areas
- Fix touristiccontents.geojson crash when reservation_system is None

Minor changes

- Add Ubuntu 18.04 Bionic Beaver support

17.116 2.18.3 (2018-04-27)

Bug fixes

- Fix imports when enabling only sensitivity app

17.117 2.18.2 (2018-04-27)

Preventive maintainance

- Upgrade to Django 1.11
- Upgrade several python dependencies

Minor changes

- Allow user with can_bypass_structure permission to set or update the related structure on sensitive areas

Bug fixes

- Put back filter widgets in two columns (#1663)
- Do not include (possibly forged) structure field in post requests
- Fix geojson format in sensitive areas API
- Fix filtering by practices in sensitive areas API
- Fix sync_rando when sensitivity app is not enabled
- Adapt BiodivParser to API modifications
- Order sensitive areas by decreasing area in API to be able to clic on each of them
- Set ownership in parsers depending on logged user
- Pagination requires ordering in v2 API

17.118 2.18.1 (2018-03-26)

Bug fixes

- Fix distribution of tables in schemas
- Allow to reset type1/type2 in TouristicContentSitraParser

Minor changes

- Do not truncate install.log

17.119 2.18.0 (2018-03-22)

Breaking changes

- Drop support of Ubuntu Precise 12.04, please upgrade to Trusty 14.04 or Xenial 16.04 before upgrading Geotrek-admin

Preventive maintainance

- Upgrade to Django 1.9
- Upgrade several python dependencies

Bug fixes

- Fix path duplication in path split trigger

Minor changes

- Show total path length in path list

17.120 2.17.3 (2018-03-23)

** Bug fixes **

- Fix install

17.121 2.17.2 (2018-02-07)

Minor changes

- Use id rather than french name for practices and structure in sensitive areas API
- Add permission to import sensitive areas

17.122 2.17.1 (2018-02-02)

Minor changes

- Implantation year on signages and infrastructures is now a filter with current existing values
- Trek form field 'practice' is moved to first panel
- Add sensitive areas to public trek PDF
- Do not show paths on PDF
- Add SENSITIVE_AREA_INTERSECTION_MARGIN setting

Bug fixes

- Fix snapping
- Fix import of sensitive areas when languages lists do not match

- Fix trail links in project detail view
- Add 'approved' field in touristic content and event exports
- Fix service type with specials character in trek detail
- Fix bbox filtering in sensitive areas API
- Add CORS header to sensitive areas API
- Filter on spatial extent when importing from Biodiv'sport
- Fix celery task runner version

17.123 2.17.0 (2018-01-15)

New features

- Sensitive Areas

17.124 2.16.1 (2018-01-10)

Bug fixes

- Fix encoding errors while generating static versions of rando pages
- SEO for static versions of rando pages
- Disable template caching (fix ODT generation)

17.125 2.16.0 (2017-12-21)

New features

- Create static versions of rando pages with opengraph data (Facebook)
- Add external id field to POI form

Bug fixes

- Fix download of python packages for pypi.python.org (SSL is now required)
- API v2 : Fix full URL pictures in nested serializers
- Fix network SVG (add viewbox) to make them visible in Geotrek-rando
- Hide file parsers form if no one is available

17.126 2.15.2 (2017-09-28)

Bug fixes

- Fix existing path split in particular cases where postgis doesn't see real intersections.
- Fix project and intervention detail template.
- Fix synchronization of POI media other than images

- Include pois, parking and reference points to compute PDF map zoom

17.127 2.15.1 (2017-08-23)

New features

- Add es translation for PDF
- Add mailssl setting

Bug fixes

- Fix APIDAE import illustrations
- Fix double import parsers
- Fix cirkwi export
- Select only published POIs in GPX and KML files
- Remove deprecated experimental setting
- Fix HTML tags & entities in feedback email

17.128 2.15.0 (2017-07-13)

New features

- API v2 Beta 1. Optimized multilingual filtered endpoints for paths, treks, tours and pois.
- See HTML doc and examples in /api/v2/. Authentication with Basic HTTP (https://en.wikipedia.org/wiki/Basic_access_authentication).
- Don't use it in production without HTTPS

Bug fixes

- Fix pdf default public templates (weasyprint)
- Fix screamshotter standalone install (map screenshots)

17.129 2.14.3 (2017-07-03)

Bug fixes

- Cirkwi export fixes and improvements

17.130 2.14.2 (2017-06-21)

Bug fixes

- Fix attachments edition

17.131 2.14.1 (2017-06-22)

Bug fixes

- Refactor signals pre / post migrate according Django 1.8
- Update translations
- Fix path splitting
- Fix AutoLogin Middleware with mapentity 3.1.4

17.132 2.14.0

WARNING!

- Upgrade to version 2.14.0 is only possible from version 2.13.0

New features

- Upgrade to Django 1.8. This is a big step, migrations are reset, please backup before upgrade.
- Ability to skip attachment download in parsers and use external links.

Minor changes

- Possibility to exclude pois in cirkwi xml export by adding ?withoutpois=1 to url (http://XXXXX/api/cirkwi/circuits.xml?withoutpois=1
- Add MOBILE_TILES_EXTENSION setting (for compatibility with old mobile apps, set it to 'png')
- API optimization
- Disable auto size for service icon in trek description.

Bug fixes

- Fix topologies and cities intersections

17.133 2.13.0 (2017-03-02)

Minor changes

- MOBILE_TILES_URL settings is now a list which can be used to merge different layers in mobile application

17.134 2.12.0 (2017-02-16)

New features

- add loadsignage command

Minor changes

- add field implantation_year to model BaseInfrastructure
- add field owner to model LandEdge
- add field agreement to model LandEdge

17.135 2.11.5 (2017-02-06)

Bug fixes

- Fix topologies and cities intersections

17.136 2.11.4 (2017-02-01)

Bug fixes

- Remove deprecated datasource (replaced by import parsers)
- Stop install.sh if make update or wget fails
- Create database with right owner if user exists but database does not
- Make sure supervisor service is started after install
- Fix HTML entities in feedback email
- Fix cirkwi export for treks with multilinestring geom

Minor changes

- Add filter usages on paths
- Add filters name and description on infrastructures and signages
- Add picture to PDF for feedback reports (only in Weasyprint mode)

17.137 2.11.3 (2016-11-15)

Bug fixes

- Upgrade mapentity (fix map centering in PDF exports)
- Fix cirkwi export when trek geom is not a linestring

17.138 2.11.2 (2016-09-15)

Bug fixes

- Do not synchronize not-published treks with published but deleted parents
- Allow to specify portal in touristic content parsers
- Fix import of type1 in HebergementsSitraParser
- Fix source and portal missing in shapefile exports

Performances

- Improve performances of DEM computation for huge treks

17.139 2.11.1 (2016-08-17)

Minor changes

- Fix slug URL for “oe” ligature
- Improve zoom of map captures in PDF

17.140 2.11.0 (2016-08-02)

Bug fixes

- Fix weasyprint install
- Fix label displayed twice with Sitra Parser

Minor changes

- Update translations
- Update import documentation
- Record source is no nore structure related

New features

- ability to filter synchronized content with different portals

17.141 2.10.4 (2016-05-19)

Breaking changes

- Deprecate MAPENTITY_WEASYPRINT setting. Now public PDF use Weasyprint HTML templates and private PDF use legacy ODT template.

Minor changes

- Improve altitude profile computation (increase smoothing)
- Improve HTML templates for public exports
- Improve SITRA parser
- Allow to use source variable in PDF templates

Bug fixes

- Fix comparison of zip files to keep mtime when nothing changed
- Upgrade simplekml lib (should fix KML exports)

17.142 2.10.3 (2016-05-11)

Minor changes

- Update default pictograms for touristic content categories
- Update default pictograms for themes

Bug fixes

- Workaround a bun in supervisor init script
- Fix multilinestring instead of linestring in trek shapefile parser

17.143 2.10.2 (2016-04-12)

Minor changes

- Add source filter to touristic contents/events
- Allow installation as root (not recommended, use with caution)

Bug fixes

- Restore contents deleted and then created again in EspritParcParser
- Add a warning if type1/type2 is not created in EspritParcParser
- Replace input by textarea in flatpage form

17.144 2.10.1 (2016-03-17)

Bug fixes

- Allow access to information desks in API (and so to map capture and PDF) for unpublished treks

Minor changes

- Parsers improvements

17.145 2.10.0 (2016-03-03)

New features

- Add support for Ubuntu 15.04 Vivid

Breaking changes

- Remove TileCache service (you should set up tiles source with LEAFLET_CONFIG variable in *geotrek/settings/custom.py* now)
- Run supervisor as root (you should now run *sudo supervisorctl* instead of *./bin/supervisor*)
- Move nginx and supervisor logs to system dir */var/log/*

Minor changes

- Update default pictograms for difficulty levels

Bug fixes

- Fix sync_rando after deleting a trek with children

17.146 2.9.3 (2016-02-25)

Bug fixes

- Fix line break at start of contact in EspritParcParser

Minor changes

- Add parameters.json and themes.json files to API

17.147 2.9.2 (2016-02-17)

Minor changes

- Increase web link size

Bug fixes

- Fix path split
- Fix attachment parsing with same document type for several structures

17.148 2.9.1 (2016-02-10)

Bug fixes

- Don't forget to sync touristic contents/events media when skipping PDF
- Don't delete attachments of other objects when importing
- Don't delete other objects when constant fields are set in parsers

17.149 2.9.0 (2016-02-04)

New features

- Add parser for brand "Esprit Parc National"

Bug fixes

- Set user structure as related structure for all new objects

17.150 2.8.1 (2016-01-29)

Bug fixes

- Synchronize information desk thumbnails

17.151 2.8.0 (2016-01-28)

New features

- Use POI pictures in PDF if the trek has no picture itself
- Use a placeholder in PDF if there is no picture
- Parser to import touristic contents from SITRA
- Add list of all information desks to API

Bug fixes

- Allow NULL values for id_externe fields in database
- Fix missing elements (eg. POI enumeration) on trek map capture
- Prevent overlaping controls at bottom of list view
- Translation of column names in shapefiles export
- UTF-8 and truncated alerts in shapefile export

17.152 2.7.2 (2016-01-26)

Bug fixes

- Synchronize touristic events with no end date
- Fix PDF synchronization (eg. missing list of POI)

17.153 2.7.1 (2016-01-18)

Bug fixes

- Fix random z-index on forced layer polygon
- Fix pretty duration

17.154 2.7.0 (2016-01-14)

New features

- New button to add Youtube videos in flat pages

Bug fixes

- Fix iframe inclusion in flatpages.
- Fix double column buttons in gridmanager.
- Fix validation on flatpages for combo external_url + content.
- Fix responsive layout for provided templates in flatpages.
- Fix event link to closest visible path only
- Do not log anymore an error when submitting a form with an empty geometry

17.155 2.6.0 (2015-12-30)

New features

- Customization of practices ordering

Bug fixes

- Synchronize record source pictograms
- Add buttons to attachment update form
- Fix timestamps in database when connection with timezone other than UTC

17.156 2.5.2 (2015-12-29)

Bug fixes

- Fix hyphenation language in public PDF templates
- Add parents to trek public PDF template
- Fix numbering style in trek public PDF template
- Show points of reference over other features on trek detail map

17.157 2.5.1 (2015-12-18)

Bug fixes

- Trek public PDF fixes (size of service pictos, style of numbered lists, stages)

17.158 2.5.0 (2015-12-08)

New features

- Order has been added to flatpages which is reflected in the export for geotrek-rando frontend.
- Added 2 templates buttons for flatpages creating two layouts
- Option to add pois pictures to trek ones in Geotrek-Rando

Bug fixes

- Generate tiles zip files for all children of published treks
- Fix URL of video/audio media in API
- Fix default filtering of past touristic events in UI

17.159 2.4.4 (2015-12-02)

Bug fixes

- Show pending import/sync tasks

17.160 2.4.3 (2015-11-27)

Bug fixes

- Fix filtering by source in sync_rando for flatpages and tiles too

17.161 2.4.2 (2015-11-26)

Bug fixes

- Fix permissions of sync rando output directory
- Fix filtering by source in sync_rando

17.162 2.4.1 (2015-11-25)

Bug fixes

- Condition field of infrastructures is no more required
- Fix zipfile detection at import.
- Fix error handling at import (raise exception to browser).

17.163 2.4.0 (2015-11-18)

New features

- Paths can be merged
- Add trek parents to API
- Allow to sync public web site from web interface
- Add begin and end dates to touristic events list
- Filter conmpleted touristic events by default

Bug fixes

- Prevent concurrent imports and/or synchronization
- Fix rendering of HTML markup in weasyprint templates
- Fix missing publication field in some cases

17.164 2.3.0 (2015-11-09)

New features

- Sync rando now synchronizes touristic contents and events.
- Sync rando now exports only future events based on current date.
- Sync rando now synchronizes touristic content categories.

Bug fixes

- Added a custom validation to accept url only contribution in flatpages without content.
- Sync rando now handles crashes when it calls django views.

17.165 2.2.0 (2015-10-09)

New features

- Added normalisation for altimetry's json export
- Clarify 2D/3D lengths (fixes #1400)

Bug fixes

- Change plural on accessibility label for admin filter

17.166 2.1.0 (2015-09-29)

Breaking changes

- Instead of storing the parent of a trek, Geotrek now stores the children of a trek. This allows to use the same trek in several parents and to order them. WARNING! Existing parent/child relation are lost. You will have to set them again after upgrade. Fixes #1479

New features

- Add trek infos (aka services for now)
- Add email sent to reporting user after submit
- Handle multiple reservation systems (fixes #1488)
- Add an option to sync_rando to filter by source (fixes #1480)
- Add add condition field to infrastructure table (fixes #1494)
- New Geotrek logo

Bug fixes

- Reload supervisor configuration after Geotrek upgrade
- Fix projection of waypoints in GPX exports
- Prevent unnecessary save for geom fields if they are not updated. This prevents triggering geom recalculation in postgres.
- Fix crash in case of missing or invalid picture
- Fix feedback API
- Unzip eggs to fix templates not found error
- Various parsers (import system) fixes and improvements

Documentation

- Document server migration

17.167 2.0.0 (2015-07-20)

Breaking changes

- Rework API URL schemas

New features

- Static API to disconnect Geotrek-rando from Geotrek-Admin (fixes #1428)
- Build zip files for mobile application
- Trek / Touristic content association distance depending on trek practice
- Option to hide published treks nearby topologies
- Add previous/next treks and category slugs to geojson API
- Add external id in trekking/tourism detail pages and exports
- Zip touristic contents as POI for mobile app v1
- Add external id field on Path
- Order intersections in Geotrek light mode
- Add reservation id field for touristic contents
- Integration of WeasyPrint to generate PDF from HTML/CSS instead of ODT

Bug fixes

- Remove HTTP calls to SoundCloud API at serialization
- Allow DEM to partially cover spatial extent

17.168 0.35.1 (2015-07-17)

Bug fixes

- Fix installation on ubuntu 12.04 with recent updates

17.169 0.35.0 (2015-07-10)

New features

- Add an import framework

Bug fixes

- Fix a crash in appy pod (PDF generation)
- Fix login with restricted access to some contents
- Fix buildout bootstrap arguments

17.170 0.34.0 (2015-05-20)

New features

- Itinerancy (parent/children treks)
- Allow to choose ordering of categories for Geotrek-Rando
- Bootstrap grid editor for flatpages
- Approved touristic contents and events
- Option to split trek category by practice or accessibility

Bug fixes

- Fix duration notation
- Flatten altimetry profiles

Bug fixes

- Show accessibility in trek detail page (fixes #1399)

17.171 0.33.4 (2015-04-07)

Bug fixes

- Ensure trek duration is a positive number
- Fix cirkwi exports (second try)
- Fix public PDF templates

17.172 0.33.3 (2015-04-01)

Bug fixes

- Fix systematic crash in PDF conversions

17.173 0.33.2 (2015-04-01)

Bug fixes

- Remove italian from fixtures
- Fix crash when generating two PDF in parallel

17.174 0.33.1 (2015-03-25)

Bug fixes

- Fix flat pages crash
- N to N source field (rel #1354)

17.175 0.33.0 (2015-03-25)

Breaking changes

- A new permission "Can publish ..." is required to publish treks, pois, touristic contents and touristic events. Grant it to your users and groups if need be
- DB table `l_b_source` is renamed as `l_b_source_troncon`

New features

- Publication workflow (fixes #1018)
- Allow to add links to Youtube or Soundcloud media as attachment
- Make pictograms optional in some places when not required by Geotrek-Rando
- Add source for treks, touristic contents and touristic events (fixes #1354)
- Add external id field for treks, pois, touristic contents and touristic events
- Group cirkwi matchings in admin site (fixes #1402)

Bug fixes

- Fix projection of OSM link in feedback email
- Fix language in cirkwi exports

17.176 0.32.2 (2015-03-06)

Bug fixes

- Home now redirects to treks list in light version (without topologies)
- Fix Cirkwi export in light version
- Fix SRID in database migrations
- Add signage type filter again (fixes #1352)
- Add missing date filters to touristic events list

17.177 0.32.1 (2015-03-04)

Bug fixes

- Fix creation of a loop topology with two paths (fixes #1026)

17.178 0.32.0 (2015-03-04)

New features

- Export to cirkwi/espace loisirs IGN. After upgrade, run `bin/django loaddata cirkwi` to load data cirkwi tags and categories
- Wysiwyg editor for static web pages

Bug fixes

- Hide not published static pages in public REST API

17.179 0.31.0 (2015-03-02)

New features

- Add support of Ubuntu 14.04 to installer
- Public PDF for touristic contents/events (fixes #1206)
- Add treks close to other treks in REST API
- Add pictograms for trek accessibilities, touristic content types and touristic event types

Bug fixes

- Show edit button when having bypass structure permission
- Export missing fields in list exports (fixes #1167)
- Fix formating of float and boolean values in list exports (fixes #1366, #1380)
- Fix french translation
- Allow anonymous access to altimetry API for public objects
- Hide not published and deleted items in public REST API

17.180 0.30.0 (2015-02-19)

Breaking changes

- Trek practice (formerly usage) is no single valued so if a trek has multiple usages only one will be kept after upgrade. Others will be **lost**!
- After upgrade, run `make load_data` to load fixtures for accessibilities or create them by hand. You should clean-up the list of practices by hand.
- Don't forget to set up permissions to administrate practices and accessibilities.

New features

- Split trek usage field into practice and accessibility
- Treks and POIs are now structure related
- Allow anonymous access to media related to published items
- Check model read permission to give access to media
- Add a settings to set up CORS (cross-origin resource sharing)
- Allow to get POIs for a specific trek in REST API
- Consistent REST API (type1, type2, category for treks, touristic contents and touristic events)

Bug fixes

- Ensure path snapping is done on the closest point and is idempotent
- Fix language of PNG elevation charts
- Fix logo on login page

- Fix logs rotation
- Fix permissions creation

17.181 0.29.0 (2015-02-04)

New features

- GeoJSON API with all properties for Trek and Tourism

Bug fixes

- Fix permissions required to sync static Web pages
- Fix geom computation on line topologies with offset

17.182 0.28.8 (2014-12-22)

Bug fixes

- Fix altimetry sampling for segment with 0 length (rel #1337)

17.183 0.28.7 (2014-12-22)

Bug fixes

- Fix altimetry trigger when TREKKING_TOPOLOGY_ENABLED is set to False

17.184 0.28.6 (2014-12-18)

Bug fixes

- Fix 3D length shorter than 2D length (run sql command `UPDATE l_t_troncon SET geom=geom;` after upgrade to update altimetry informations of existing geometries)
- Fix translation of "Information desks" in public trek PDF
- Fix prepare_map_images and prepare_elevation_charts commands failing for deleted objects and for objects without geom

17.185 0.28.5 (2014-12-09)

Bug fixes

- Fix DEM optimizations when minimum elevation is zero (fixes #1291)
- Fix regression for translations of tourism (fixes #1315)
- Fix duplicate entries with year filter (fixes #1324)

Documentation

- French user manual first step about general interface

New features

- Set PostgreSQL search_path at user level (fixes #1311)
- Show 3D and 2D length in detail pages (fixes #1101)
- Show length and elevation infos in trail and all statuts detail pages (fixes #1222)
- Show trail length in list and exports (fixes #1282)
- Replace stake by length in path list (fixes #956, fixes #1281)
- Add subcontracting in intervention filter (fixes #1144)
- Add missing fields in project filter (fixes #219, fixes #910)
- Show status in interventions table among detail pages (fixes #1193)
- Add missing field in projects exports (ref #1167)
- Add length column to land module lists
- Number of workers and request timeout can be now configured in `settings.ini`
- Various improvements on trek public template, by Camille Monchicourt

17.186 0.28.4 (2014-11-21)

Bug fixes

- Fix mouse position indicator on `/tools/extents/` page when map tiles have Google projection
- Fix missing filters in trails list (fixes #1297)
- Fix infrastructure main type filter (fixes #1096)
- Fix flatpage creation without external url in adminsite
- Fix path detail page where deleted objects were shown (fixes #1302)
- Fix position of POIs on trek detail maps (fixes #1209)
- Fix TinyMCE not preserving colors (fixes #1170)
- Raise validation error instead of crashing when submitted topology is empty (fixes #1272)

Documentation

- Fix mention of MAP_STYLES (ref #1226)

Changes in experimental features

- Renamed *usage* to *type* in touristic events (fixes #1289)

17.187 0.28.3 (2014-11-12)

Bug fixes

- Fix upload form author/legend format (fixes #1293)
- Fixes history list (ref #1276)
- Prevent email to be sent twice on conversion error. Use info instead.
- Fix paperclip translations missing (fixes #1294)

- Fix filetypes not being filtered by structure (fixes #1292)
- Fix apparence of multiple-choices in forms (fixes #1295)

17.188 0.28.2 (2014-11-05)

Bug fixes

- Fix upgrade of django-leaflet to 0.15.0 (overlay layers)
- Fix apparence of overlay layers for tourism when experimental features are disabled
- Fix plural in tourism translation
- Fix unit tests
- Run this command to set the default information desk type with the original pictogram (or select a pictogram from the adminsite)

```
cd Geotrek-0.28.2/

curl "https://raw.githubusercontent.com/makinacorpus/Geotrek/v0.27.2/geotrek/trekking/
↪static/trekking/information_desk.svg" > var/media/upload/desktype-info.svg
```

17.189 0.28.1 (2014-11-05)

Bug fixes

- Fix deployment when tourism is not enabled
- Fix default duration when invalid value is filled (fixes #1279)
- Fix year filters for intervention, infrastructure and project (fixes #1287)
- Fix list filters not being restored (fixes #1236)

17.190 0.28.0 (2014-11-04)

Breaking changes

- Before running install, run this SQL command to add a column for file attachments :

```
ALTER TABLE fl_t_fichier ADD COLUMN marque boolean DEFAULT false;
```

New features

- Information desks now have a type (*Maison du parc*, *Tourist office*, ...) with the ability to set dedicated pictograms (fixes #1192).
- Ability to control which picture will be used in trek, using clicks on stars in attachments list (fixes #1117)
- Ability to edit attachments from detail pages directly (fixes #177, the 5th oldest issue!)
- Add missing columns in intervention exports (fixes #1167)
- Add ability (for super-admin) to add/change/delete zoning objects in Adminsite (ref #1246)

- Add ability to have paths records in database that will not appear in Geotrek lists and maps. Just set column `visible` to false in `l_t_troncon` table.
- Add ability to add external overlay tile layers (fixes #1203)

Bug fixes

- Fix position of attachment upload form on small screens
- Clearer action message in object history table
- Prevent image ratio warning from disappearing (fixes #1225)
- Touristic contents
- Touristic events

Internal changes

- Upgraded Chosen library for dropdown form fields
- Set `valide` column default value to false on paths table `l_t_troncon` (fixes #1217)
- All information desks are now available in GeoJSON (*will be useful to show them all at once on Geotrek-rando*).
- All tables and functions are now stored in different schemas. It allows to distinguish Geotrek objects from *postgreSQL* and *PostGIS*, and to grant user privileges by schema. It is also easier to browse objects in *pgAdmin* and *QGis*.

  Caution: if you created additional database users, you may have to change their `search_path` and/or their `USAGE` privilege.

Experimental features

- We introduced models for touristic contents and events. In order to load example values for categories and types, run the following commands:

```
bin/django loaddata geotrek/tourism/fixtures/basic.json
cp geotrek/tourism/fixtures/upload/* var/media/upload/
```

- We introduced models for static pages, allowing edition of public static Web pages from Geotrek adminsite.

In order to enable those features under construction, add `experimental = True` in `etc/settings.ini`. Note that none of them are used in *Geotrek-rando* yet.

notes Give related permissions to the managers group in order to allow edition (`add_flatpage`, `change_flatpage`, `delete_flatpage`,

`add_touristiccontent` ...).

17.191 0.27.2 (2010-10-14)

Bug fixes

- Fix elevation info not being computed when intervention is created (ref #1221)
- Fix list of values for infrastructure and signage types (fixes #1223)
- Signages can now be lines if setting SIGNAGE_LINE_ENABLED is True (fixes #1141)
- Fix HTML tags in PDF exports (fixes #1235)
- Fix regression with Geotrek light

17.192 0.27.1 (2010-10-13)

Bug fixes

- Fix problems in forms, prevent Javascript errors

17.193 0.27.0 (2010-10-09)

Breaking changes

- Attribute for single information desk was removed (was used in **Geotrek-rando** < 1.29)
- Renamed setting `TREK_PUBLISHED_BY_LANG` to `PUBLISHED_BY_LANG`
- Renamed setting `TREK_EXPORT_MAP_IMAGE_SIZE` to `EXPORT_MAP_IMAGE_SIZE`, `TREK_EXPORT_HEADER_IMAGE_SIZE` to `EXPORT_HEADER_IMAGE_SIZE` and `TREK_COMPLETENESS_FIELDS` to `COMPLETENESS_FIELDS`. They are now a dictionnary by object type (see example)

New features

- POI publication is now controlled like treks
- POI now have a public PDF too
- Introduced `VIEWPORT_MARGIN` setting to control list page viewport margin around spatial extent from `settings.ini` (default: 0.1 degree)

  notes After upgrading, mark all POIs as published in the languages of your choice

```
UPDATE o_t_poi SET public_fr = TRUE;
UPDATE o_t_poi SET date_publication = now();
```

Bug fixes

- Add missing credit for main picture in trek PDF (fixes #1178)
- Paths module is now removed from user interface in *Geotrek-light* mode. (i.e. with `TREKKING_TOPOLOGY_ENABLED = False`)
- Make sure text fields are cleared (fixes #1207)
- Intervention subcontracting was missing in detail pages (fixes #1201)
- Make sure TLS is disabled when `mailtls` is False in settings
- Fix list of POIs in path detail pages (fixes #1213)
- Fix highlight from map for project list page (fixes #1180)

Internal changes

- Extracted the trek publication to a generic and reusable notion
- Complete refactor of Trek JSON API, now taking advantage of Django REST framework instead of custom code
- Added read/write REST API on all entities
- Refactored URLs declaration for altimetry and publishable entities
- Change editable status of topology paths in Django forms, since it was posing problems with Django-rest-framework

- Add elevation profile SVG URL in trek detail JSON (fixes #1205)
- Simplified upgrade commands for `etc/` and `var/`, and mention advanced configuration file

17.194 0.26.3 (2014-09-15)

Bug fixes

- Fix pretty trek duration when duration is between 24 and 48H (fixes #1188)
- Invalidate projet maps captures when interventions change, and treks maps when POIs change (fixes #1181)

17.195 0.26.2 (2014-08-22)

Bug fixes

- Fix search among attached files in Adminsite (fixes #1172)

17.196 0.26.1 (2014-08-21)

Bug fixes

- Upgrade *django-mapentity* for bug fix in ODT export and list of values in detail pages

17.197 0.26.0 (2014-08-21)

New features

- Interventions in project detail page is now shown as a simple table (ref #214)
- A generic system for interaction between objects attributes and details map was developped. It works with project interactions, topologies paths, etc. (ref #214)
- Show enumeration of interventions in project PDF exports (fixes #960)
- Number of POIs in now limited to 14 items in trek export (ref #1120)
- Number of information desks in now limited to 2 items in trek export (ref #1120). See settings `TREK_EXPORT_INFORMATION_DESK_LIST_LIMIT` and `TREK_EXPORT_POI_LIST_LIMIT`
- Justify texts of POIs in trek export, now converted to plain text.
- Trek export geometries are now translucid red by default (see `MAP_STYLES` setting) (ref #1120)
- Paths apparence in trek exports are now controlled by MAP_STYLES setting too.
- Images attachments are now resized to 800x800 for publication (instead of 500x500)
- Clarify intervention cost by function and mandays (fixes #1169)

Bug fixes

- Fix paths layer not being shown in detail pages (fixes #1161)
- Fix position of point topologies when closest path is not perpendicular (fixes #1156)
- Prevent parking to be cropped on map exports (fixes #1006)

Upgrades notes

Since the map export have changed, empty the cache :

```
rm -rf var/media/maps/*
```

17.198 0.25.2 (2014-08-14)

Bug fixes

- Fix translation of Job in intervention form (fixes #1090)
- Fix form error when no geometry is provided (fixes #1082)
- Show attachments in adminsite (fixes #1162)
- Fix JSON formatting of object attachment lists in API

17.199 0.25.1 (2014-08-01)

Bug fixes

- Fix Geotrek CSS not being deployed properly
- Fix trek relationships causing errors for PDF export

17.200 0.25.0 (2014-08-01)

New features

- Added projection file EPSG:32622 (fixes #1150)
- Now log addition and suppression of attachments in history
- Added notion of points of reference for treks (fixes #1105). (Can be disabled with `TREK_POINTS_OF_REFERENCE_ENABLED = False`)
- Edit the parking location directly on the trek map (ref #387)
- Show enumeration of POIs in trek PDF exports (fixes #871)

BUG fixes

- Fix permission check to see attachments (fixes #1147, ref #1146)
- Fix grouping of interventions in detail pages (fixes #1145)
- Fix project total intervention cost (fixes #958)
- Fix history entries not being saved when using formsets (fixes #1139)
- Fix postal code being saved as integer (fixes #1138). Existing records will have a leading zero when shorter than 5 charaters.
- Fix bug when form of intervention on infrastracture is not valid
- Limit height of layer switcher on small screens (fixes #1136)
- Get rid of next parameter when redirecting to login when permission missing (fixes #1142)

- Fix apparence of main menu when permissions are missing to view logbook and admin (ref #1142)

Internal changes

- Rework display of lists in detail pages, better factorization
- Removed links in logbook list for certain models
- Display messages in login page too (useful for redirections)

Support edition of several fields on the same map, via django-leaflet new feature (fixes #53)

17.201 0.24.3 (2014-06-27)

BUG fixes

- Fix cursor not removed when terminating topology (fixes #1134)
- Fix information desk geometry hard-coded SRID

17.202 0.24.2 (2014-06-27)

BUG fixes

- Fix EPSG:32620 projection file
- Fix JS error when path layer is not on map
- Fix start and end markers not shown as snapped on path edition (fixes #1116)
- Fix groups not shown in Adminsite with external authent (fixes #1118)
- Use markers as mouse icons for topology creation, use resize cursors as fallback only (fixes #1100)
- Minor changes in trek print template (ref #1120)

17.203 0.24.1 (2014-06-26)

BUG fixes

- Fix SVG files for difficulty pictograms
- Fix group fixtures for “Rédacteurs” (fixes #1128)
- Fix tab “None” in list view (fixes #1127)
- Fix external datasources icons in Admin (fixes #1132)
- Fix information desk maps in Admin forms (fixes #1130)
- Fix topology edition when two forced passages on same path (fixes #1131)

Minor changes

- Ordered log entries by date descending (ref #1123)
- Renamed “Data sources” by “External data sources” (fixes #1125)
- Renamed “Foncier” to “Statuts” (fixes #1126)

17.204 0.24.0 (2014-06-23)

** Breaking changes **

- POI icons shall now have a solid background, since no background is added in trek detail map anymore.
- Pictograms fields were added to trek difficulty, route, network. You can use the images provided in the `trekking/fixtures/upload/` folder.

  notes Just before upgrading, delete the following folders

  ```
  rm -rf lib/src/django-modeltranslation
  ```

  After upgrading, mark all treks as published in the languages of your choice

  ```
  UPDATE o_t_itineraire SET public_fr = TRUE;
  UPDATE o_t_itineraire SET date_publication = now();
  ```

New features

- Public TREK export - hide block label if value is empty (fixes #873)
- Add POIs on trek GPX (fixes #774)
- Close list filter when click outside (fixes #916)
- Rename recurrent field to subcontracting on intervention (fixes #911)
- Rename comments field to description on intervention (fixes #927)
- Show object type in ODT export (fixes #1000)
- Show paths extremities on map (fixes #355)
- Ability to reuse topology when adding objects from detail pages (fixes #574, fixes #998)
- Command to generate all elevation charts (fixes #799)
- SITRA support in Tourism datasources (fixes #1064)
- Added status field on feedback reports (fixes #1075)
- Show restricted areas by type in layer switcher (fixes #961)
- Publication status is now controlled by language (fixes #1003). Previous behaviour can restored by setting `TREK_PUBLISHED_BY_LANG` to False.
- Added publication date on trek (ref #1003)
- Ability to see a trek in the different published languages (ref #1003)
- A trek can now have several information desks (fixes #1001)
- Information desks are now shown in trek detail map (fixes #1001)
- Information desks now have optional photo and position, as well as some additional fields (fixes #1001)
- Disabled marker cluster in trek detail map
- Remove background and halo effect on POI icons
- Added 3 new settings to control trek detail map icons size (`TREK_ICON_SIZE_POI`, `TREK_ICON_SIZE_PARKING`, `TREK_ICON_SIZE_INFORMATION_DESK`)

Minor features

- Intervention disorders is not mandatory anymore (fixes #661)

- Improved details in trek form, use Chosen for many-to-many widgets
- Documented the configuration of map layers apparence
- Show layers colors in layer switcher
- Detail page : replace "Maintenance" by "Works" (fixes #889)
- Detail page : interventions on paths are now grouped together, and a small icon is shown (fixes #735)
- Detail page : show intervention costs (ref #958, fixes #764)
- Show project intervention total costs (fixes #958)
- Allow to override the Trek public document template (see *advanced configuration* in docs)
- Close calendar after date choice in intervention form (fixes #928)
- Renamed Attachment submit button (fixes #925)
- Added a new setting `PATH_SNAPPING_DISTANCE` to control paths snapping distance in database (default: 1m)
- Allow to disable trails notion (fixes #997) (see *advanced configuration* in docs)
- Show POI name on hover instead of category in trek detail pages (fixes #1004)
- Form tabs are now always visible while scrolling (fixes #926)
- New URL to obtain the attached filelist of an object
- Remove float notation in altimetry altitude labels
- Control altimetry profiles font using `ALTIMETRIC_PROFILE_FONT` setting
- Add pictograms to routes and networks (fixes #1102)

Bug fixes

- Fixed Signage and Infrastructure year filter label (fixes #293)
- Fixed paths layers not always shown below other layers (fixes #912)
- Clarify legend and title for attachments (fixes #888)
- Fixed cannot clear trek fields in database (fixes #1095)
- Fixed missing translation of "Load local file" (fixes #1085)
- POI types are displayed as such in adminsite
- Fix duplicate authors in history list in detail pages

Internal changes

- Added pictogram on difficulty, useful for *Geotrek-mobile* (fixes #1109)
- Added experimental *Geotrek-light* support (ref #1019)

17.205 0.23.5 (2014-06-19)

Bug fixes

- Fix crash when TourInFrance has malformed website or phone
- Fix translations not being installed

17.206 0.23.4 (2014-06-18)

Bug fixes

- Fix massive upgrade bug, where new migrations were ignored. Due to migration operation introduction in 0.22 installation script.

Special thanks to Noël Martinon, Félix Merzeau, Gil Deluermoz and Camille Montchicourt for their patience on this.

17.207 0.23.3 (2014-06-18)

** Bug fixes **

- Fix static files compression when using Google Mercator projection in maps
- Fix intermediary points order in topology de/serialization, and remove useless topology serialization optimizations (fixes #1031)

17.208 0.23.2 (2014-06-13)

** Bug fixes **

- Fixed land records not shown in detail pages
- Fixed JSON DEM area extent for treks
- Fixed targets list for tourism datasources (fixes #1091)
- Cache tourism datasources for one day (setting `CACHE_TIMEOUT_TOURISM_DATASOURCES`)
- Fix crashes with TourInFrance sources
- Add link to OSM in feedback email (fixes #1089, #1093)
- Fix feedback email translation (fixes #1087)
- Fix problem with permission check "read attachment" in detail page (fixes #1092)
- Fix measure control appearing twice in forms (fixes #1078)
- Fix 404 on download buttons from list views
- Fix POI translated fields not tabbed (fixes #1065)
- Fix missing translation of "Add a new POI" (fixes #1086)
- Fix invalid snapping when save path without editing geometry (fixes #1099)
- Add missing properties in feedback report detail page.
- Hide all modules information in report detail page.
- Add missing translations of feedback module.
- Show object type in ODT export (fixes #1000)

** Internal changes **

- Upgraded to Mapentity 1.4.0
- Upgraded to Leaflet 0.7.3

** Installation **

- Fixed content types migration of land to zoning apps (Thanks Noël Martinon)
- UbuntuGIS stable maintainers have *upgraded* (sic) GDAL to 1.10.0. Upgrading GDAL is painful, and PostGIS packages may have to be reinstalled (data shouldn't be lost though). *Remember it was recommended to run PostGIS on a different server*.

  notes On June 2th 2014, the Ubuntu GIS stable repository switched from `libgdal1` to `libgdal1h`. It broke the deployment script of many projects, including *Geotrek*.

  It is a good thing, since it paves the way for the last Ubuntu LTS release (14.04). However, it breaks the *Long Term Support* philosophy of the previous one (12.04), supposed to be supported until 2019.

  Morality : we cannot trust the *Ubuntu GIS stable* repository anymore.

  Regarding *Geotrek*, such upgrades of Ubuntu packages is not supposed to be covered by its installation script. If you face any problems, please refer to the community or commercial support (such as *Makina Corpus* for example).

17.209 0.23.1 (2014-05-22)

** Bug fixes **

- Fixed regression when editing topologies without modification
- Fixed widget for Trails to allow linear topologies only

17.210 0.23 (2014-05-22)

** Breaking changes **

Read all release notes carefully.

- Trails are now managed as topologies (fixes #370). Existing trails geometries are likely to be **LOST** (*see below*)
- Rename `mailadmin` to `mailadmins` in `etc/settings.ini`
- Permission systems has been refactored (*see below*)

** Bug fixes **

- Force browser cache revalidation of geojson data (fixes #843)
- Force browser cache revalidation for path graph (fixes #1029)
- Fix deletion porblems in AdminSite (fixes #1008)
- Trek advised parking and public transport are translatable (fixes #1024)
- Fix missing translation "no filters" and "current criterias" (fixes #884)
- Fix PDF versions of documents not being translated (fixes #1028)

** New features **

- Command to import shapefile with points into POI as topologies (fixes #952)
- Add views to serve DEM on object area as JSON (*Geotrek-Rando 3D*)
- New tourism module : external datasources can be configured from Adminsite (*GeoJSON, TourInFrance, . . .*) and added to maps (by module, or published on *Geotrek-rando. . .*)

- Show number of attached files in tab (fixes #743)
- New permission to control download of attachments
- New permission to allow users or groups to bypass structure restrictions
- Add a setting to serve attached files as download (default: True) (fixes #976)
- Track objects creations, changes and deletions (fixes #300)
- Added a reader group (fixes #495)
- Topologies are not recreated if user did not edit field (fixes #833)
- Added static file for projection EPSG:32620
- Show land objects in menu (fixes #942)
- Documented configuration of custom projections (fixes #1037)
- Buttons in the list menu to add new objects easily
- Add fullscreen button on maps (fixes #904)
- Add all controls on detail map (fixes #907)
- Add a button to close filters (fixes #424)
- Added new sections in documention : *FAQ*, *User-manal* and *Advanced configuration*

** Internal changes **

- Enabled database connection pooling in production
- An error is raised if SRID has not unit in meters (fixes #921)
- Zoning and land modules are now splitted (fixes #954)
- Complete refactor of geographical form fields. Now uses *django-mapentity* from its own repository instead of internal orphan branch.
- Complete refactor of maps initialization, without inline preprocessed JavaScript
- Rely on Django permissions to control access to detail, list and exports (fixes #675)
- Core and altimetry modules are now splitted (fixes #996)
- Renamed treks POIs GeoJSON properties

  notes

  - Before upgrading, backup your trail records and geometries, using pgAdmin

    ```
    CREATE TABLE backup_sentiers AS SELECT * FROM l_v_sentier;
    CREATE TABLE backup_troncons_sentiers AS (
      SELECT l_t_troncon.id AS troncon, l_t_sentier.id, l_t_sentier.nom
      FROM l_t_troncon, l_t_sentier
      WHERE l_t_sentier.id = l_t_troncon.sentier
    );
    ```

  - Before upgrade, rename `mailadmin` to `mailadmins` and add a new line `mailmanagers` in `etc/settings.ini`. See *Email settings* section in documentation.
  - Just before upgrading, delete the following folders

    ```
    rm -rf lib/src/django-modeltranslation lib/src/mapentity
    ```

  notes

- After upgrading, load the default permissions of the previous groups, otherwise users won't have access to their modules

```
bin/django loaddata geotrek/authent/fixtures/minimal.json
bin/django loaddata geotrek/authent/fixtures/basic.json
```

- After upgrading, make sure *Active* is checked for the user *__internal__* otherwise screenshotting won't work.
- After upgrading, load basic data for the new module

```
bin/django loaddata geotrek/feedback/fixtures/basic.json
```

- After upgrading, make sure the user specified in *Geotrek-rando* is in the group *Geotrek-rando*, or has at least the following permissions in the AdminSite :
  - `paperclip | attachment | Can read attachments`
  - `trekking | Trek | Can read Trek`
  - `trekking | Trek | Can export Trek`
  - `trekking | POI | Can read POI`
  - `trekking | POI | Can export POI`
  - `feedback | Report | Can add report`
- After upgrading, compare visually the resulting migrated trails using QGis, by opening both layers `l_v_sentier` and `backup_sentiers`.

17.211 0.22.6 (2014-04-27)

- Remove hard-coded mentions of EPSG:2154 in database initial migrations (fixes #1020)
- Fix version download and unzip in installation script.

Thanks Noël Martinon, from Guadeloupe National Park, for reporting both issues.

17.212 0.22.5 (2014-03-19)

- Fix compilation of translations (ref #970)
- Fix distinction between languages and translated languages (fixes #968)
- Fix history tabs not being shown after upgrade to Django 1.6 (fixes #975)
- Fix regression on land layer label colors (fixes #980)
- Fix attached files not shown after file upload/delete (fixes #933)
- Fix links being removed from trek descriptions (fixes #981)
- Fix missing thumbnail in trek and POI detail pages
- Fix black background on map captures (fixes #979)
- Increased scale text size on map captures (fixes #850)
- Show map attributions on map captures (fixes #852)

- Fix aspect ratios of map in trek public documents (fixes #849)
- Fix objects list not being filtered on map extent (fixes #982)
- Fix coherence of map layer when text search in objects list (fixes #702)
- Fix number of results not refresh on text search (fixes #865)
- Added north arrow in map image exports (fixes #851)
- Removed darker effect on backgrounds for map image exports, and added internal advanced setting `MAPENTITY_CONFIG['MAP_BACKGROUND_FOGGED'] = True`

17.213 0.22.4 (2014-03-06)

- Fix install.sh not compiling locale messages (fixes #965)
- Moved trek completeness fields to setting *TREK_COMPLETENESS_FIELDS*. Duration and difficulty were added, arrival was removed (fixes #967)
- Fix regression about source locale messages (fixes #970)
- Fix regression link *Back to application* lost from adminsite (fixes #971)
- Serve uploaded files as attachments (fixes #972)
- Remove help texts being shown from filter forms (fixes #966)
- Fix form pills for translated languages (fixes #968)

17.214 0.22.3 (2014-02-17)

- Fix install.sh help not being shown
- Fix screenshots being empty if deployed behind reverse proxy with rool url (fixes #687)
- Fix GPX file layer circle marker size (fixes #930)
- Remove JS libraries from login page
- Fix install.log being removed during installation
- Fix execution characters being shown during DB backup prompt
- Fix PhantomJS and CasperJS installation and deployment
- Added more automatic frontend tests
- Default allowed hosts is now *

17.215 0.22.2 (2014-02-14)

- Fix secured media URLs when using a non empty *rooturl* setting
- Fix proxy errors by disabling keep-alive (fixes #906)

17.216 0.22.1 (2014-02-13)

- Prevent install script to delete existing media files from disk in some situations.

17.217 0.22 (2014-02-12)

Before upgrade

- Backup your database.
- If you upgrade in the same application folder, first delete the *geotrek* sub-folder.
- Use *install.sh* to upgrade (*make deploy* won't be enough)
- After upgrade, make sure the following query returns only ~23 results:

  SELECT COUNT(*) FROM south_migrationhistory;

BREAKING changes

- For upgrades, Geotrek 0.21 is required.
- Uploaded files are now restricted to authenticated users (fixes #729)

  notes *Geotrek-rando* 1.23 or higher is required to synchronize content.

NEW features

- In list view, click on map brings to detail page, mouse over highlights in list.
- Show path icon if intervention is not on infrastructure (fixes #909)
- Add spanish translation
- Add photographie into default attachments filetype
- Map location combobox (Cities, Districts, Areas) are not shown if empty or disabled.
- Several database views have been created (fixes #934)
- Remove dots from path icon (fixes #939)
- Intervention, infrastructure and project filters list of years is now dynamic (fixes #948)
- Application available languages (*english*, *french*, *italian*, *spanish*) are now distinct from translated content languages (*languages* value in `settings.ini`)

Minor changes

- Improved apparence of map controls
- Improved apparence of path intermediary points
- Improved apparence of form validation buttons
- Add auto-generated docs at /admin/doc/
- Nicer installation script output

Installation script

- Scan and ortho attributions can now be set using *scan_attributions* and
- Propose to backup DB before Geotrek upgrade (fixes #804)
- Settings edition prompt only happens at first install *ortho_attributions* in *settings.ini*.

BUG fixes

- Fix convert urls behind reverse proxy with prefix
- Fix deployment problem if `layercolor_others` not overidden in settings.ini
- Fix topology kinds to be 'INTERVENTION' for intervention without signage/infrastructure
- Fix restricted areas types display in admin (fixes #943)
- Fix list ordering of trek relationships and web links (fixes #929)
- Fix nginx log files being already empty after logrotate (fixes #932)
- Fix project add button when no permission

  notes List of restricted areas is not shown on map by default anymore. Restore previous behaviour with advanced setting *LAND_BBOX_AREAS_ENABLED* as True.

Internal changes

- Upgrade to Django 1.6 (fixes #938)
- Upgrade to Leaflet 0.7
- Upgrade a great number to python and JavaScript libraries
- An internal user (with login permission) is used to authenticate the Conversion and Capture services.
- Installation script is modular (standalone, geotrek only, . . .)
- Developement server now listens on all interfaces by default
- Database migrations were resetted, no postgres *FATAL ERROR* message will be emitted on fresh install anymore (fixes #937). See *Troubleshooting* in documentation.

17.218 0.21.2 (2014-02-04)

BUG fixes

- Warn on tiling landscape/portrait spatial extent only if map with local projection
- Safety check on thumbnailing if images are missing from disk (*useful for troubleshooting, when importing existing dumps*).
- Fix overlapping filter if no records present (fixes #931)

17.219 0.21.1 (2013-12-11)

Improvements

- Smooth DEM drapping, improving altimetric information and profiles (fixes #840, ref #776)

BUG fixes

- Signage forms are now restricted by structure (fixes #917)
- Fix geometries computation when path split occurs on return topology (fixes #899)
- Add title on links in list views (fixes #913)
- Prevent horizontal scroll on forms, caused by textareas (fixes #914)
- Fix empty 3d geometry of point topologies with offset (fixes #918)

notes In order to recompute all paths topologies altimetry information, you can perform the following queries:

```
UPDATE l_t_troncon SET geom = geom; UPDATE e_t_evenement SET
decallage = decallage;
```

Reading information from rasters is costly. Be prepared to wait for a while.

17.220 0.21 (2013-11-28)

Improvements

- Increase height of multiple select (fixes #891)
- Add project field in intervention filter (fixes #896)
- Many minor improvements for infrastructures in adminsite (fixes #886)
- Add category in intervention filter (fixes #887)

BUG fixes

- Fix KML coordinates not being in 3D.
- GPX now has trek description (fixes #775)
- Order overlapping topologies by order of progression (fixes #777)
- Improved TinyMCE configuration, for resize and cleanup (fixes #351, #711)
- Changed trek duration interval for notion of days (fixes #880)
- Show city departure in trek public export (fixes #881)
- Document customization of TinyMCE config (fixes #882)
- Fix 404 error on path delete (fixes #900)
- Fix project constraints not being displayed in details (fixes #893)
- Fix organism translation in project form (fixes #892)
- Fix apparence of forms on small screen (fixes #744, #902)
- Fix modify button being hidden to editors (fixes #901)
- Fix overlap between map controls and label (fixes #883)
- Fix translation of district in list filters (fixes #890)
- Fix integrity error on land intersection on path update (fixes #897)
- Fix form layout problems (fixes #712, #879)

17.221 0.20.9 (2013-10-30)

- Fix altimetric profile if topology geometry is wrong (fixes #875)
- Fix apparence of creation button in intervention list (fixes #877)
- Fix topology geometries that were sampled like paths 3D geometry (fixes #878)
- Fix topology lines geometries join in some situations (ref #722)

- Fix topology not well displayed if start/end on intersection (fixes #874)

17.222 0.20.8 (2013-10-22)

- Public trek export : Fix various layout regressions (ref #848)
- Public trek export : Show POI theme pictogram (fixes #858)
- Public trek export : full width for information desk frame (fixes #856)
- Public trek export : add footer with trek title and page numbers (fixes #861)
- Public trek export : add floating picture in POI detail (fixes #860)
- Public trek export : fix POI thumbnails missing (fixes #869)
- Fix point offset lost on path update (fixes #867)
- Fix reconnect point topologies with offset to closest path (fixes #868)

17.223 0.20.7 (2013-10-16)

- Fix topology geometry 3D being draped twice (fixes #863)
- Altimetric profile : Show max distance and round values (fixes #853)
- Altimetric profile : Add settings for colors (fixes #854)
- Public trek export : POIs list in two columns (fixes #855)
- Public trek export : POIs details without column break (fixes #857)
- Public trek export : Show pictures attributions (fixes #859)
- Public trek export : Use 10pt fonts in every text blocks (fixes #848)

  notes # Empty profiles cache rm -rf var/media/profiles/*

17.224 0.20.6 (2013-10-14)

- Remove 3D from JS WKT serializer
- Safety check if path is less than 1m
- Remove mentions of 2154 projection in schema migrations
- Fix performance issues in altimetric JSON (fixes #845)
- Fix filter forms missing from Trek and POI lists (fixes #847)
- Fix empty Nginx log files (fixes #846)

17.225 0.20.5 (2013-10-09)

- Fix migration of draping utility function

17.226 0.20.4 (2013-10-09)

- Fix sort stake by id (level) (fixes #835)
- Rename stake to maintenance stake (fixes #834)
- Add validity to path filter (fixes #836)
- Do not redrape topology geometries, use path 3D geometry (fixes #832)
- Fix document export of Trail objects (fixes #839)
- Fix trail helpers for land layers (fixes #838, ref #842)
- Fix install on fresh folder, missing folder `lib/src` (fixes #844)

17.227 0.20.3 (2013-09-30)

BUG fixes

- Fix typo in french translation of Properties (fixes #815)
- Fix missing description from infrastructure/signage detail page (fixes #816)
- Fix Cities / Districts / Restricted Areas in project detail page (fixes #817)
- Fix only deleted topology can have geom = NULL (fixes #818)
- Fix geometries not editable in QGis by switching path and topologies geometries to 2D (fixes #688)
- Fix altimetric sampling precision setting not taken in account in SQL (ref #776)

17.228 0.20.2 (2013-08-27)

- Fix convert urls behind reverse proxy with prefix
- Fix Trek public print conversion
- Fix display of trek length in public document (one decimal only)
- Fix altimetric graph delaying map display in detail pages

  notes # Empty maps captures cache rm -rf var/media/maps/trek-*

17.229 0.20.1 (2013-08-26)

- Add DB index for start and end columns
- Merge gunicorn logs with respective applications logs
- Lower logging level in production (WARNING -> INFO)

BUG fixes

- Fix deployment error with application's TITLE
- Fix deployment errors with mandatory external authent values
- Fix trek export layout: fit map image and altimetric profile in one page.

17.230 0.20 (2013-08-23)

- Edit difficulty id in Admin site, mainly used to order difficulty levels (fixes #771)
- Use explicit list of fields in forms, instead of excluding model fields (fixes #736). Issue #712 was closed too, since most suspected cause was field listings. Please re-open if problem re-appears.
- Fix timeout on POI Shapefile and CSV exports (fixes #672)
- Altimetric profiles are now computed in PostGIS (fixes #778, #779)
- Positive and negative ascents are now computed using more DEM resolution (fixes #776)

  notes Setting `PROFILE_MAXSIZE` was replaced by `ALTIMETRIC_PROFILE_PRECISION` which controls sampling precision in meters (default: 20 meters)
- Altimetric profiles were removed from object map images
- Altimetric profiles are now plotted using SVG
- Altimetric profiles are now inserted into path documents and trek public printouts (ref #626)
- Fix deletion of associated interventions when editing infrastructures (fixes #783)
- Latest record is updated (*touch*) when a DELETE is performed on table (refreshs cache) (fixes #698)
- Reworked settings mechanism to follow Django best practices

  notes Replace all computed values from `etc/settings.ini`. For example, replace "60 * 60" by 3600. (You can increase this value to several hours by the way)
- Allow server host to capture pages (fixes #733)
- Adjust map capture according to geometry aspect ratio (fixes #627)
- Always show path layer in detail pages (fixes #781)
- Fix restore of topology on loop paths (fixes #760)
- Fix topology construction when loop is formed by two convergent paths (fixes #768)
- Added small tool page at `/tools/extents/` to visualize configured extents (ref #732)
- Removed setting `spatial_extent_wgs84`, now computed automatically from `spatial_extent`, with a padding of 10%.

  notes Have a look at `conf/settings.ini.sample` to clean-up unnecessary values from your settings file.
- Fix paths offset for portrait spatial extent (fixes #732)
- Rely on Tilecache default max resolution formulae (fixes #732)
- Due to bug in Leaflet/Proj4Leaflet (https://github.com/kartena/Proj4Leaflet/issues/37) landscape spatial extents are not supported. Please adjust spatial_extent to be a portrait or square, or application will raise *ImproperlyConfiguredError*.
- Reload map objects on zoom out too (fixes #435)
- Fix computation of *min_elevation* for point topologies (fixes #808)

  notes In order to recompute all paths topologies altimetry information, you can perform the following query: `UPDATE e_t_evenement SET decallage = decallage;`. Reading information from rasters is costly. Be prepared to wait for a while.

17.231 0.19.1 (2013-07-15)

- Restore `pk` property in Trek GeoJSON layer

17.232 0.19 (2013-07-12)

- Intervention length field (readonly if geometry is line)
- Fix apparence bug if no rights to add treks and pois (fixes #713)
- Fix extremities snapping (fixes #718)
- Show information desk in trek detail page (fixes #719)
- Fix topology adjustments after path split (fixes #720)
- On edition show global line orientation instead of individual paths (fixes #679)
- Fix invalid topology if trek goes twice on same path (fixes #671)
- Overlapping is now more precise (fixes #710)
- Reworked trek print layout
- Fix topology building if paths are taken twice (fixes #722)
- Fix tiling offset with horizontal bboxes
- Fix display of POI layer by default on list (fixes #696)
- Fix translation of not validated paths (fixes #730)
- Fix error if topology is required and empty (fixes #745)
- Fix duplication of N-N relations on path split (fixes #738)
- Fix project map in detail page (fixes #734)
- Fix project listed deleted interventions (fixes #739)
- Fix project listed infrastructures through interventions (fixes #740)
- Fix saving intervention form on infrastructure
- Repair serializing of properties after upgrade of django-geojson (fixes #755)
- Added `public_transport` and `advised_parking` to trek JSON detail API (fixes #758)
- Repair land layers colors after upgrade of django-geojson
- Upgraded to django-geojson 2.0
- Upgraded to Django 1.5

  notes Specify allowed host (server IP) in `etc/settings.ini` (*for example*): * `host = 45.56.78.90` Empty object caches: * `sudo /etc/init.d/memcached restart` * `rm -rf ./var/cache/*`

17.233 0.18 (2013-06-06)

- Add pretty trek duration in JSON

- Add information desk field in Trek (fixes #624)

17.234 0.17 (2013-05-17)

- Show trek duration as human readable in minutes, hours and days (fixes #471, #683)
- Fix hover on paths that interfered with clic for topology creation (fixes #680)
- Run API urls on different workers (ref #672)
- Fix redirect to root url after logout (fixes #264)
- Fix redirect to next after login (fixes #381)
- Switch to Memcached instead of local memory in production
- Move secret key to settings.ini
- Relate paperclip FileType to Structure (fixes #256)
- Relate PhysicalTypes to Structure (fixes #255)
- Relate Organisms to Structure (fixes #263)
- Compute max_resolution automatically
- Fix creation and edition of interventions on infrastructures (fixes #678)
- Change default objects color to yellow
- Restored Italian translations
- Fix regex for RAISE NOTICE (fixes #673)
- Initial public version

See project history in *docs/history.rst* (French).

CHAPTER 18

Indices and tables

- genindex
- search