REQUIRED SOFTWARE:

- Garmin BASECAMP
- Google-EARTH
- Google-DRIVE
- HYBRID GEOTOOLS - 3D Route Builder Plus

STEP 1 - CREATING THE ITINERARY

LOAD THE POI CAMPING OF THE COUNTRY

Cela va permettre de créer-choisir des itinéraires qui passent par des contrées équipées de campings.

GPX DOWNLOADING ON THE WEB

Import into BASECAMP
Cut out the uninteresting pieces and assemble with the manually created pieces.

CREATION of the ITINERARY

In **BASECAMP**

a. Select cartography <*Velomap*>
b. Create Route by following the bike routes on the map <*Velomap*>
c. DELETE points with a distance of zero or less than 5m from the previous one
d. Export Itinerary in GPX format

STEP 2 - CREATION and PRODUCTION of the LONG-TERM PROFILE

CREATING THE PROFILE AROUND THE WHOLE PORTIONS

1. Export GPX of the entire ROUTE from **BASECAMP**
2. Import this GPX into **3DRBP** (*3D Route Builder Plus* from HYBRID GEOTOOLS)
3. In **3DRBP** :
   a. Make surein Tools >> Options that the parameters *Point Updating* are correct:
      - TimeOut for Streaming = 60 000 ms
      - Wait for streaming = 100 %
      - TimeOut for Fly to = 60 000 ms
   b. Make sure you work *Embed GE (Google-Earth embedded* within **3DRBP** interface)
   c. Update the altitudes and to do so:
      - Select points (lines) in packs of 500
      - Click on <*Altitude Update from GeoTools*>
   d. Correct possible altitude anomalies (steep profile fronts, 0 and very high levels)
   e. Reset column contents *Name* and *Description*:
      - Select all points by <*Ctrl-A*>, then right-Click
      - Menu Point >> Set Name... : Fill in the field with <{N} > then <Ok>
   f. Place in the column <*Name*> the names of the main cities crossed
   g. If the profile found to be too hard, then study variants in **BASECAMP** and redo the above profile.
   h. SAVE the GPX by adding the suffix 3DRBP to the filename

STEP 3 - POI

POI

1. Retrieve updated POIs from the country's Supermarket on the site POIBASE
2. Retrieve the updated POI of the Bett+Bike if riding in Germany at http://www.bettundbike.de/
3. Import all POIs into **BASECAMP** "CUBE-3D" icon red for campsites, blue for markets.
4. Keep only POIs (all kinds) around the routes of the itineraries
   Move off-route POIs to a separate folder in **BASECAMP**, so that they can be re-used if you change your route during the hike..

DAILY ROUTES

1. Create the daily ITINERARIES with rallying of the camp-site stage of the day and passage through the Supermarket.
2. Export the daily itineraries (without limit of the number of points) in GPX

SEGMENTATION 250 Points

Segment into portions of up to 250 points for GPS

TRANSFERS TO GPS

1. POI (Campsites, Markets, tourism, train stations...)
2. Segmented routes 250 points.

Par MARTIN de https://le-plaisir-a-velo.com/en/