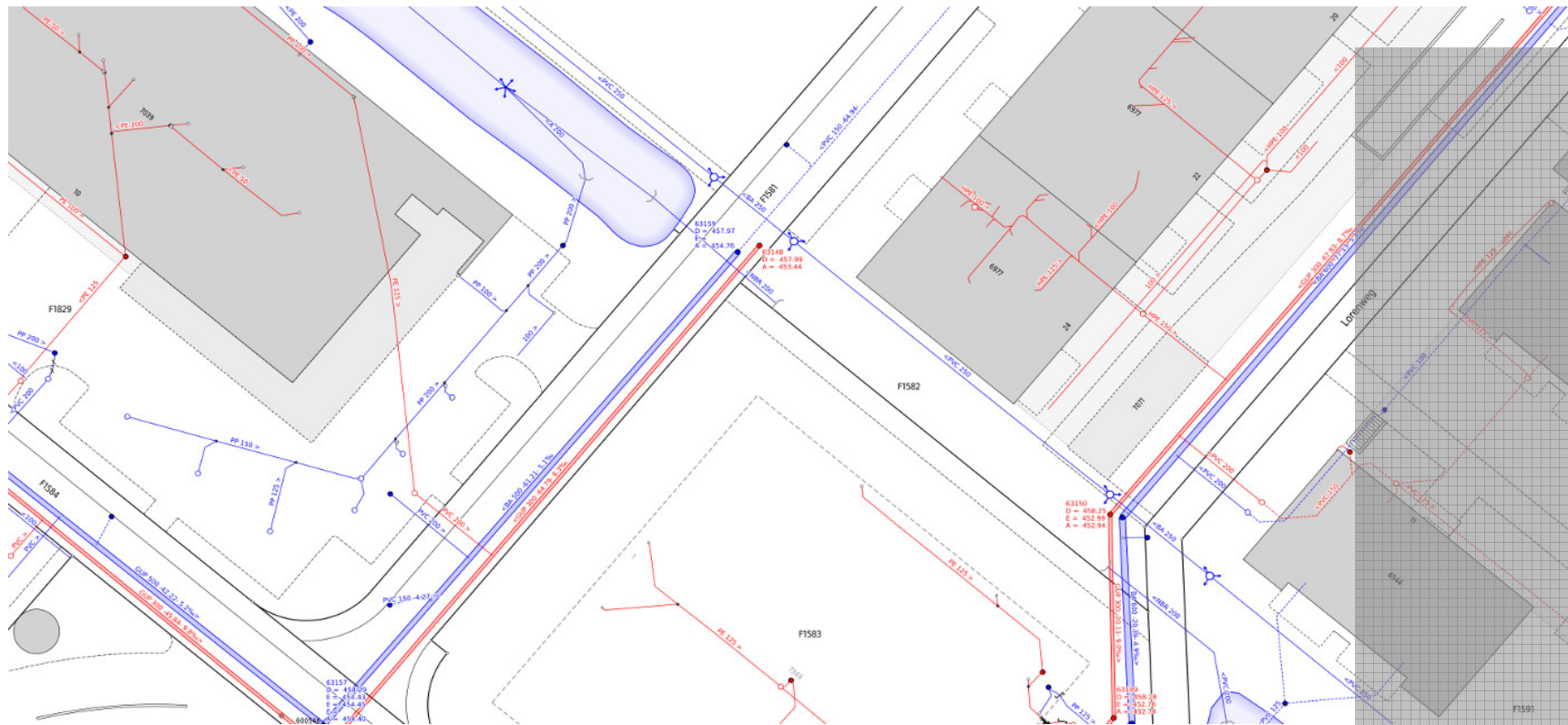


Das QGEP Projekt

Eine Fachschale für Abwasser und Generelle Entwässerungsplanung auf QGIS/Postgis



21.6.2017



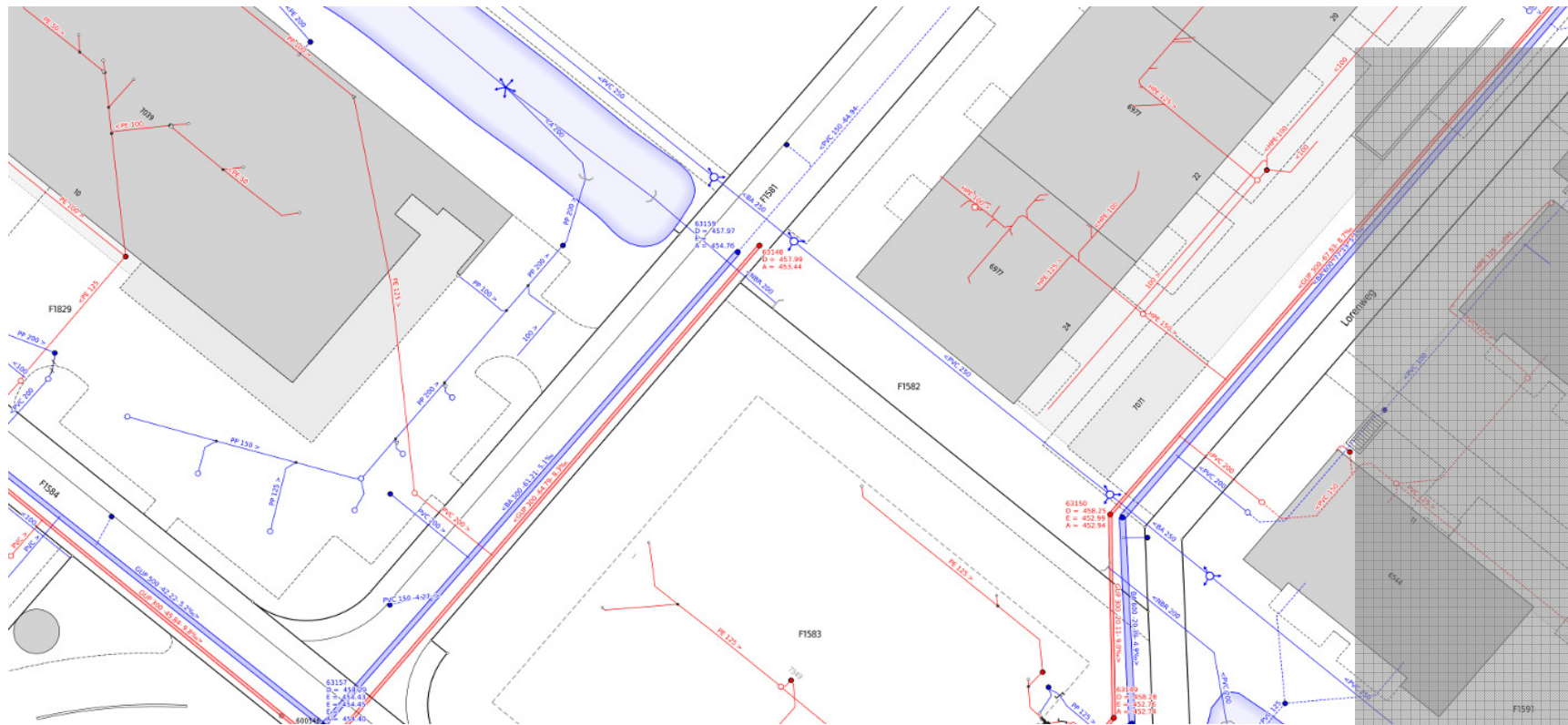
Stefan Burckhardt / Valentine Arrieta

Projet QPGEE / Project QGEP

Une application pour la gestion des eaux usées et du Plan Général d'Évacuation des Eaux sur QGIS/Postgis



21.6.2017



Stefan Burckhardt / Valentine Arrieta

QGEP Status update and Live Demo

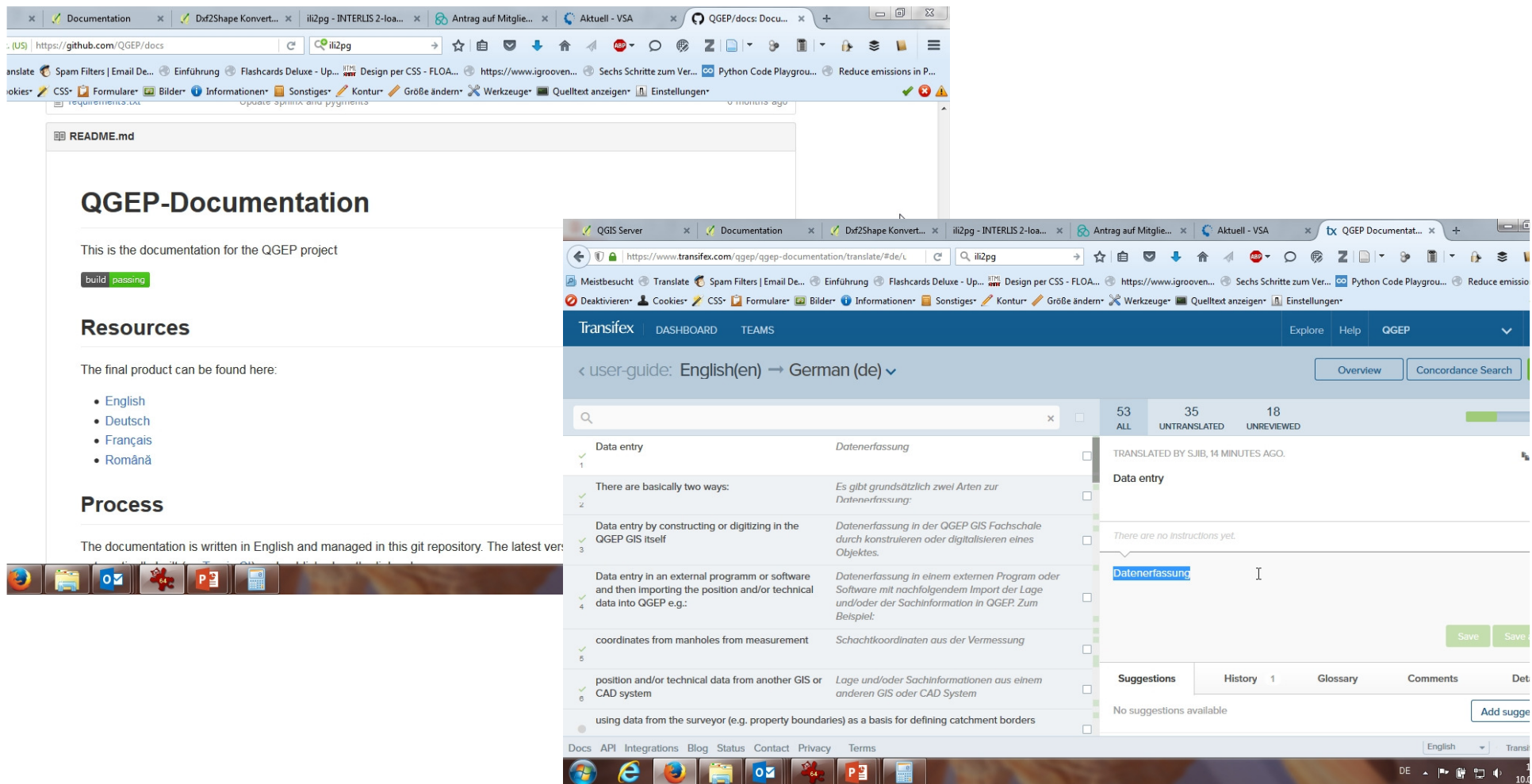


1. New Developments
2. Live Demo
3. Members & Organizational
4. Outlook 2017

QGEP on github

The screenshot shows a web browser with multiple tabs. The active tab is the GitHub repository page for QGEP. The page title is "QGEP Project" and it describes the project as being from the Swiss QGIS User Group. It lists the repository URL as <http://qgis.vitu.ch/plugins/plugins.xml> and the current version as 2.12, PostgreSQL 9.3.6. There is a "Meetings" section with a list of dates and locations in Zurich. The right side of the browser shows the GitHub interface for the "QGEP / QGEP" repository, with the "Issues" tab selected, showing 57 open issues. The first issue is titled "update selected of vw_qgеп tables causes qgis crash" and is labeled "Datamodel". Other issues include "comments on columns only available in german", "Digitize Drainage Channel", "vw_qgеп_cover", "typo in datamodel", and "Maintenance linked to we".

Documentation and Translation with Transifex

The screenshot is divided into two main parts. On the left, a browser window shows the QGIS documentation page for 'Data entry'. The page title is 'QGEP-Documentation' and it includes sections for 'Resources' and 'Process'. The 'Process' section states that the documentation is written in English and managed in a git repository. On the right, a Transifex interface is shown for translating the 'Data entry' document. The interface includes a search bar, a table of translation progress, and a detailed view of the 'Data entry' document. The table shows 53 total items, with 35 untranslated and 18 unreviewed. The detailed view shows the original English text and its German translation, with a 'Save' button at the bottom right.

ALL	UNTRANSLATED	UNREVIEWED
53	35	18

Item	Original Text	Translated Text	Status
1	Data entry	Datenerfassung	Translated
2	There are basically two ways:	Es gibt grundsätzlich zwei Arten zur Datenerfassung:	Translated
3	Data entry by constructing or digitizing in the QGEP GIS itself	Datenerfassung in der QGEP GIS Fachschale durch konstruieren oder digitalisieren eines Objektes.	Translated
4	Data entry in an external programm or software and then importing the position and/or technical data into QGEP e.g.:	Datenerfassung in einem externen Programm oder Software mit nachfolgendem Import der Lage und/oder der Sachinformation in QGEP. Zum Beispiel:	Translated
5	coordinates from manholes from measurement	Schachtkoordinaten aus der Vermessung	Translated
6	position and/or technical data from another GIS or CAD system	Lage und/oder Sachinformationen aus einem anderen GIS oder CAD System	Translated
	using data from the surveyor (e.g. property boundaries) as a basis for defining catchment borders		Translated

Documentation in English, Deutsch, Français



2.3.1. Editing of existing data — C X +

<https://qgеп.github.io/docs/user-guide/editing/editing.html>

2.2. Digitizing in QGEP

2.3. Editing in QGEP

- 2.3.1. Editing of existing data
 - 2.3.1.1. Demo project
 - 2.3.1.2. Layers
 - 2.3.1.3. Changing attributes of point elements (manholes / special structures)
 - 2.3.1.4. Changing attributes of linear elements (channels)
 - 2.3.1.5. Changing attributes of hydraulic elements
 - 2.3.1.6. Saving changes
- 2.3.2. Moving Covers with Reaches and Wastewater Nodes
- 2.3.3. Adding or Editing of Maintenance Events
- 2.3.4. Connect Wastewater Network Elements

2.4. Length profiles

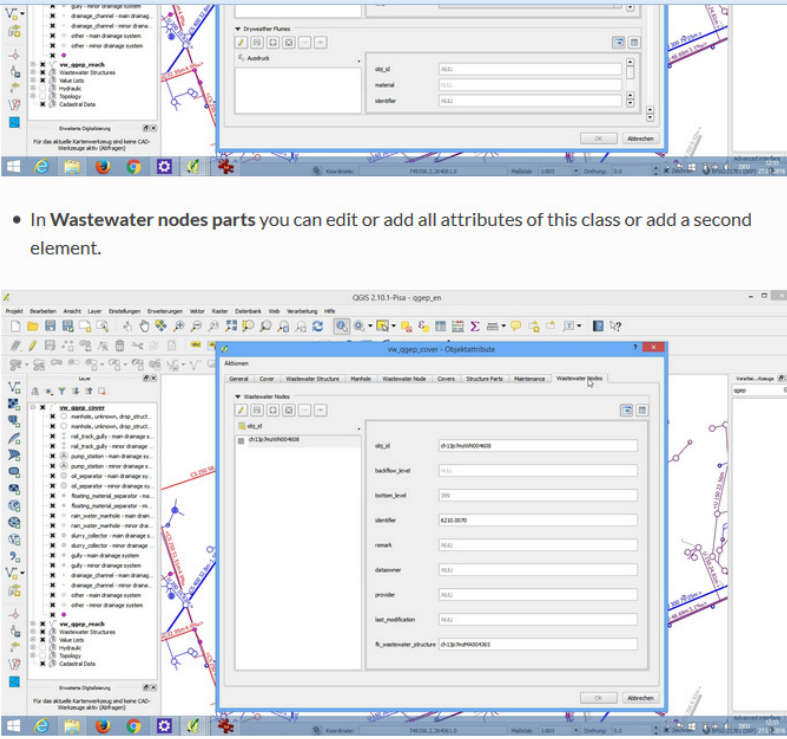
2.5. Network following tools

2.6. Plan plotting

3. Admin Guide

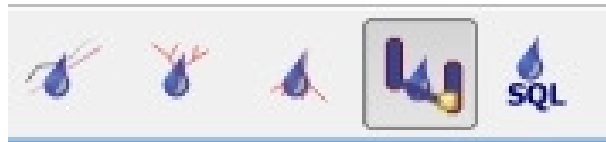
4. Demo Virtual Machine

• In Wastewater nodes parts you can edit or add all attributes of this class or add a second element.

The image shows a screenshot of the QGEP software interface. The top part shows a browser window with the URL <https://qgеп.github.io/docs/user-guide/editing/editing.html>. Below the browser is a sidebar with a table of contents. The main area shows a screenshot of the QGEP application window. The application window has a menu bar (Projekt, Bearbeiten, Ansicht, Layer, Erweiterungen, Erweiterungen, Vektor, Raster, Datenbank, Web, Verknüpfung, Hilfe) and a toolbar. The main workspace displays a wastewater network diagram with various nodes and lines. A dialog box titled 'Wastewater Nodes' is open, showing a list of attributes and their values for a selected node. The attributes include: id, backflow_jend, bottom_jend, identifier, remark, diameter, provider, last_modification, and s_wastewater_structure. The values are: id: 4132, backflow_jend: null, bottom_jend: 210, identifier: 4210.5070, remark: null, diameter: null, provider: null, last_modification: null, and s_wastewater_structure: 4132.PHVA004035.



Forms and widgets



New:



- New connecting tool
- Possibility to add pictures

New tool to connect catchments



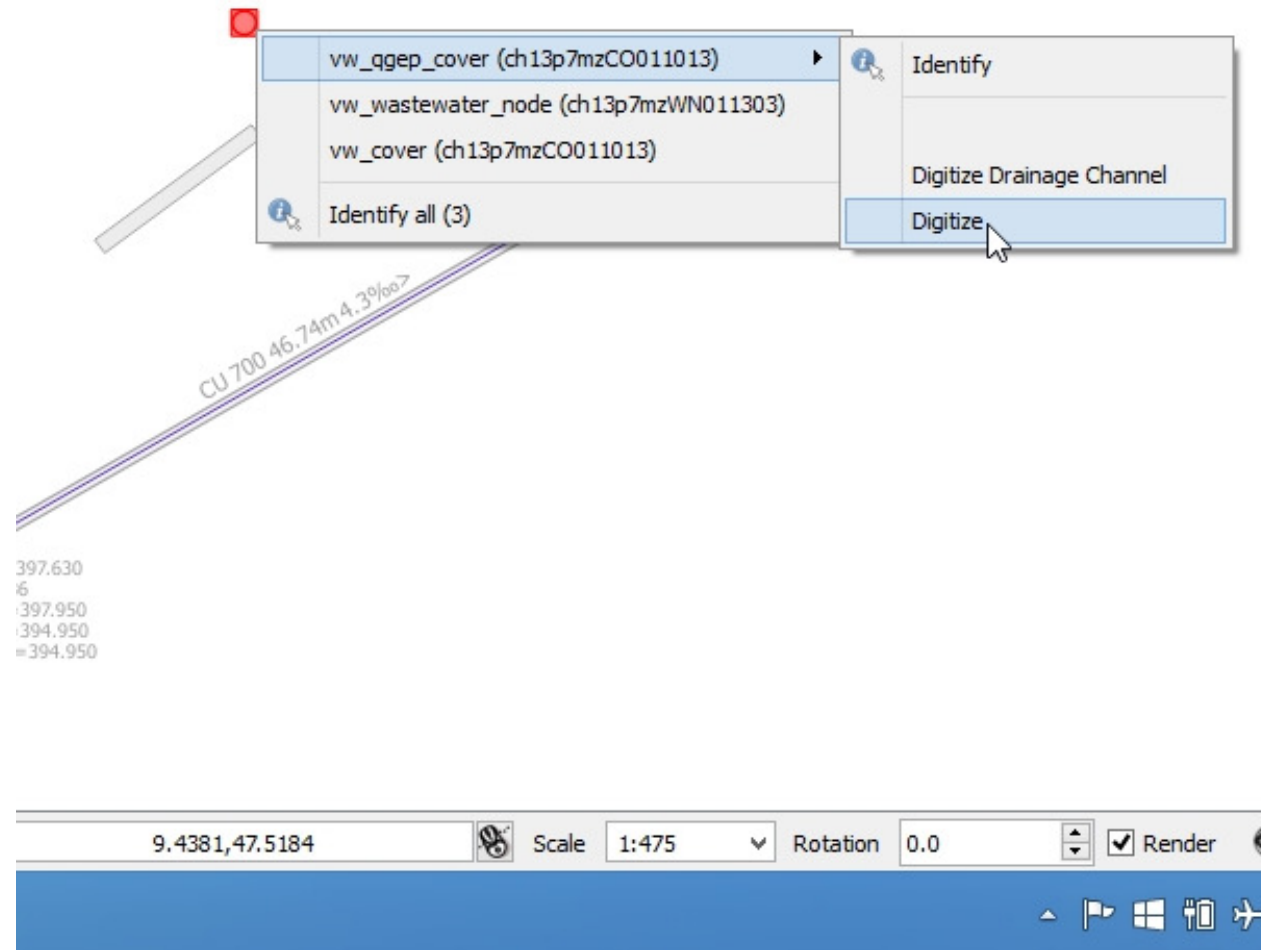
The screenshot displays the QGIS 2.18.0 interface with the following components:

- Layers Panel:** Lists layers including `vw_qgеп_wastewater_structure`, `vw_qgеп_reach`, `Wastewater Structures`, `Inspection`, `Value Lists`, `Hydraulic`, `Topology`, `Cadastral Data`, and `od_catchment_area`.
- Map View:** Shows a network of pipes and catchment areas. A dialog box titled "Select properties" is open, with the following options:
 - Rainwater current
 - Rainwater planned
 - Wastewater current
 - Wastewater planned
- Advanced Digitizing Panel:** Displays the message "CAD tools are not enabled for the current map tool".
- Status Bar:** Shows the coordinate `9.4297,47.5188`, scale `1:2154`, magnifier `100%`, rotation `0.0`, and projection `EPSG:21781 (OTF)`.





New tools - digitize



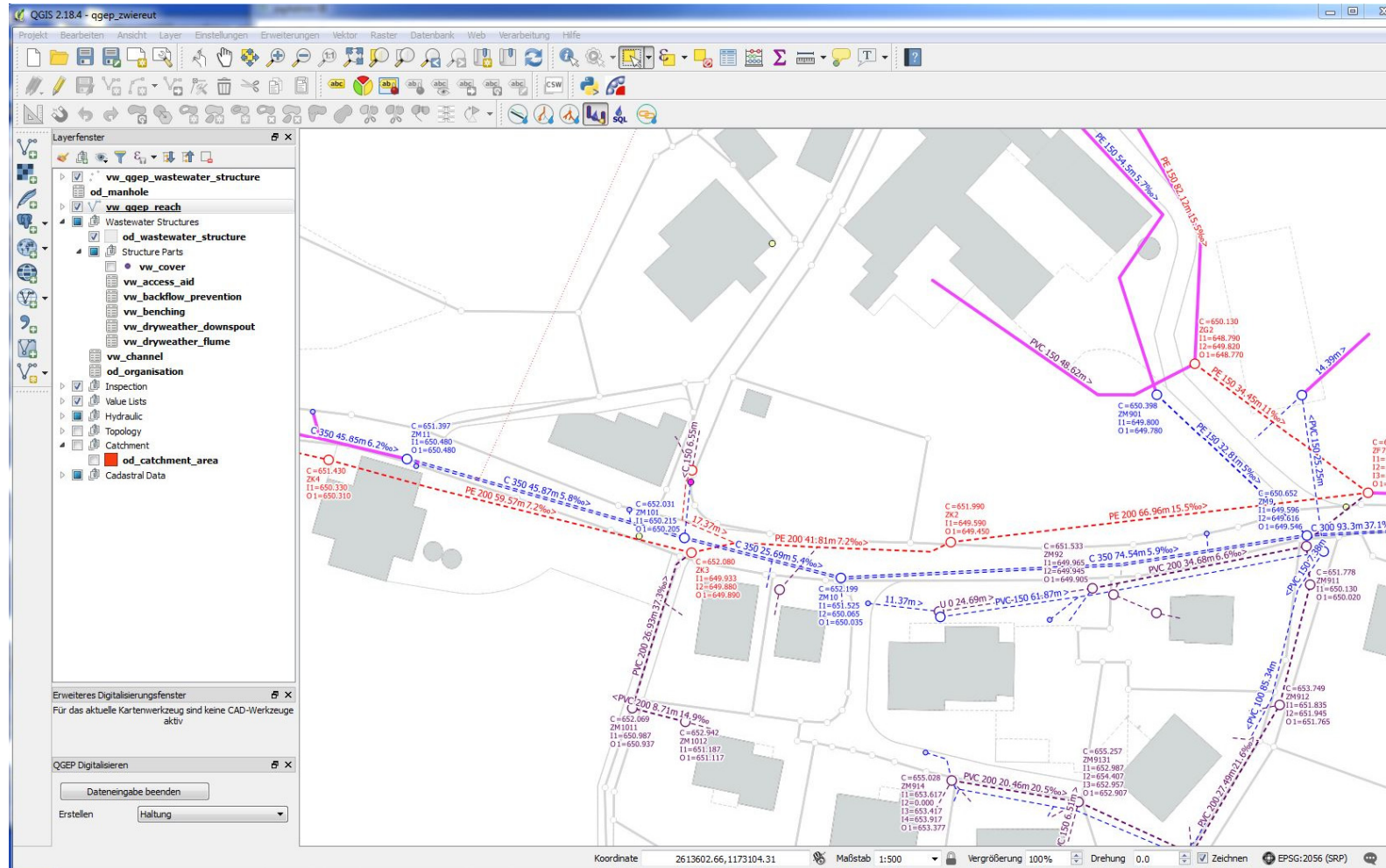
INTERLIS Export and Import



- Using of ili2pg tools from Eisenhut Informatik to generate an import or export schema with the wanted INTERLIS data model (VSA-DSS / SIA405 Abwasser)
- Schema to schema transfer with a series of SQL Queries
qgep schema < > ili2pg schema
- This includes
 - Translation Englisch – German / French (Classes / Attributes)
 - Conversion of value list to / from numeric values (Integer)
 - Restructuring of data from relational to object oriented modelling
 - Conversion of foreign keys OID (16 characters) to TID (integer)



Importierte Daten aus GEP View / DATABASE





2. QGEP Live Demo

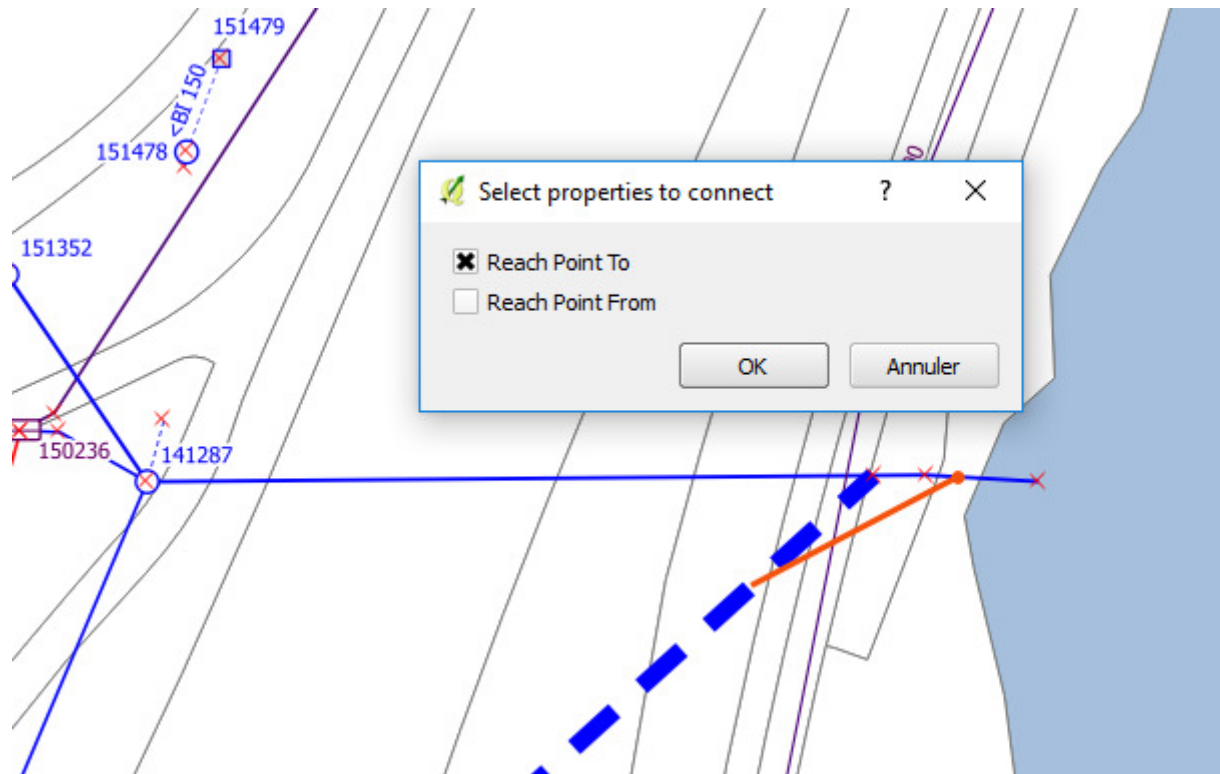
- Curent Version on 2.18
- Latest Release 2.18
- Demoprojekt
- Data aquisition and maintenance
- Network following and profiling
- Pictures and other features





2. QGEP Live Demo

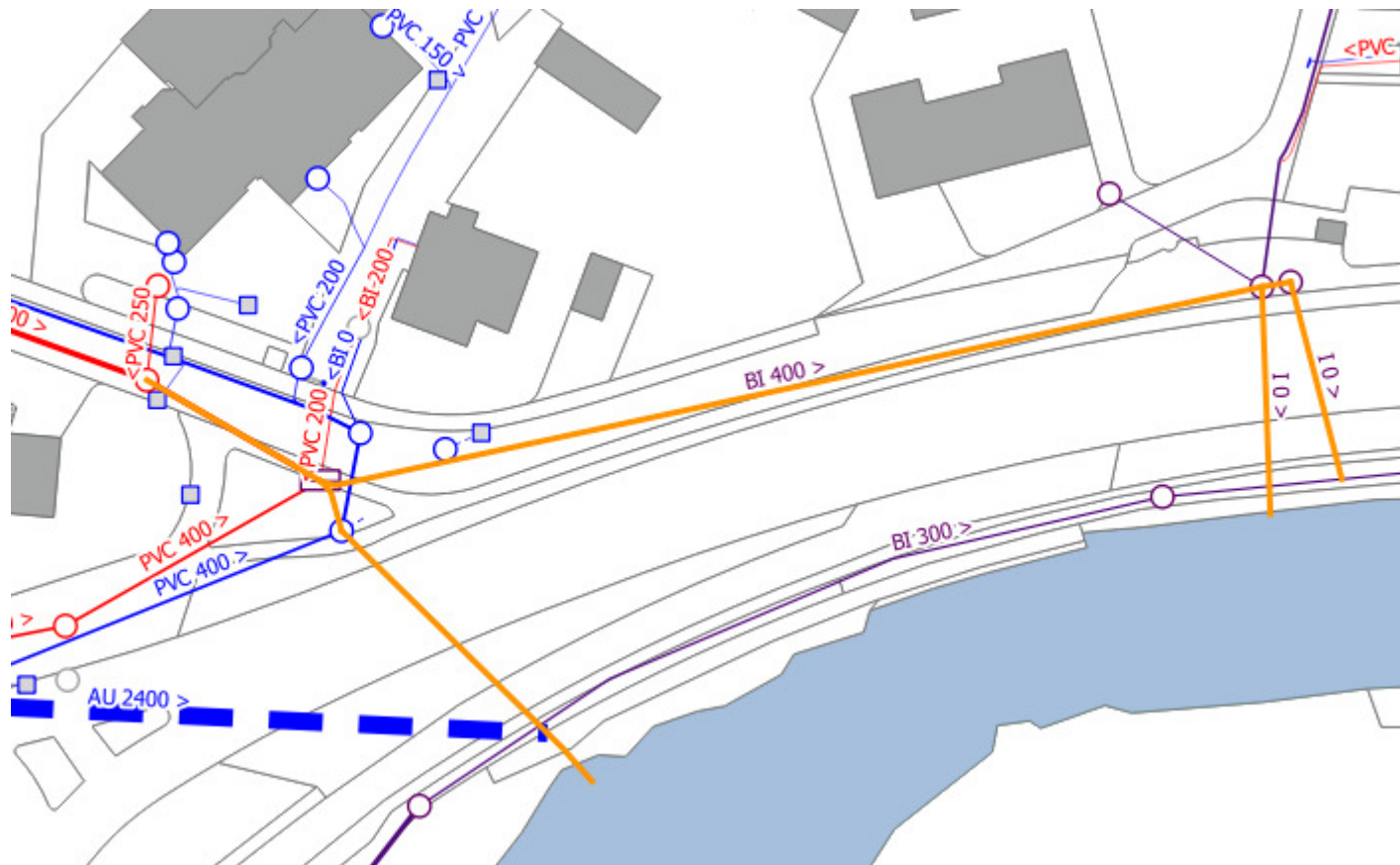
- Data acquisition and maintenance





2. QGEP Live Demo

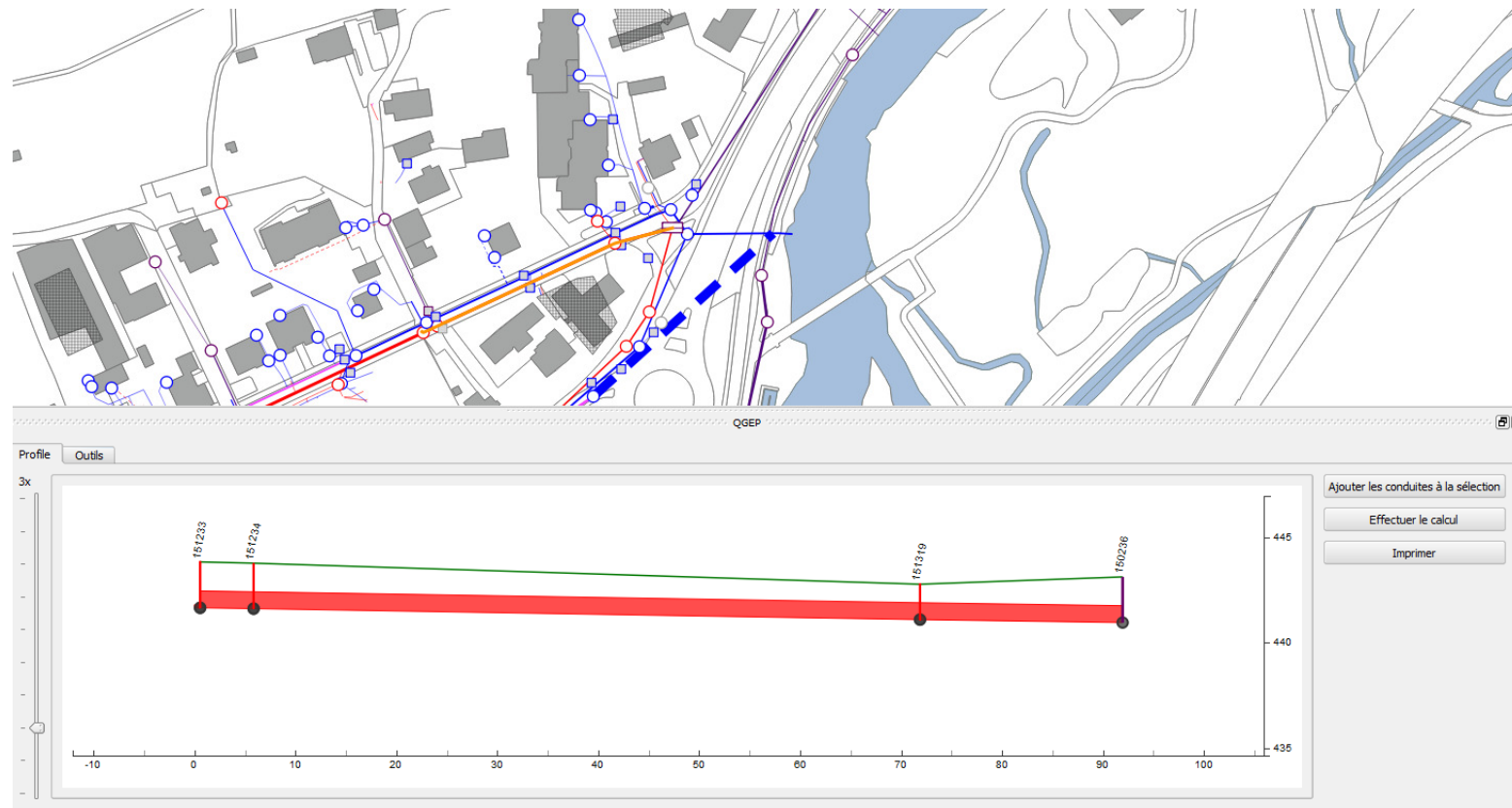
- Network following and profiling





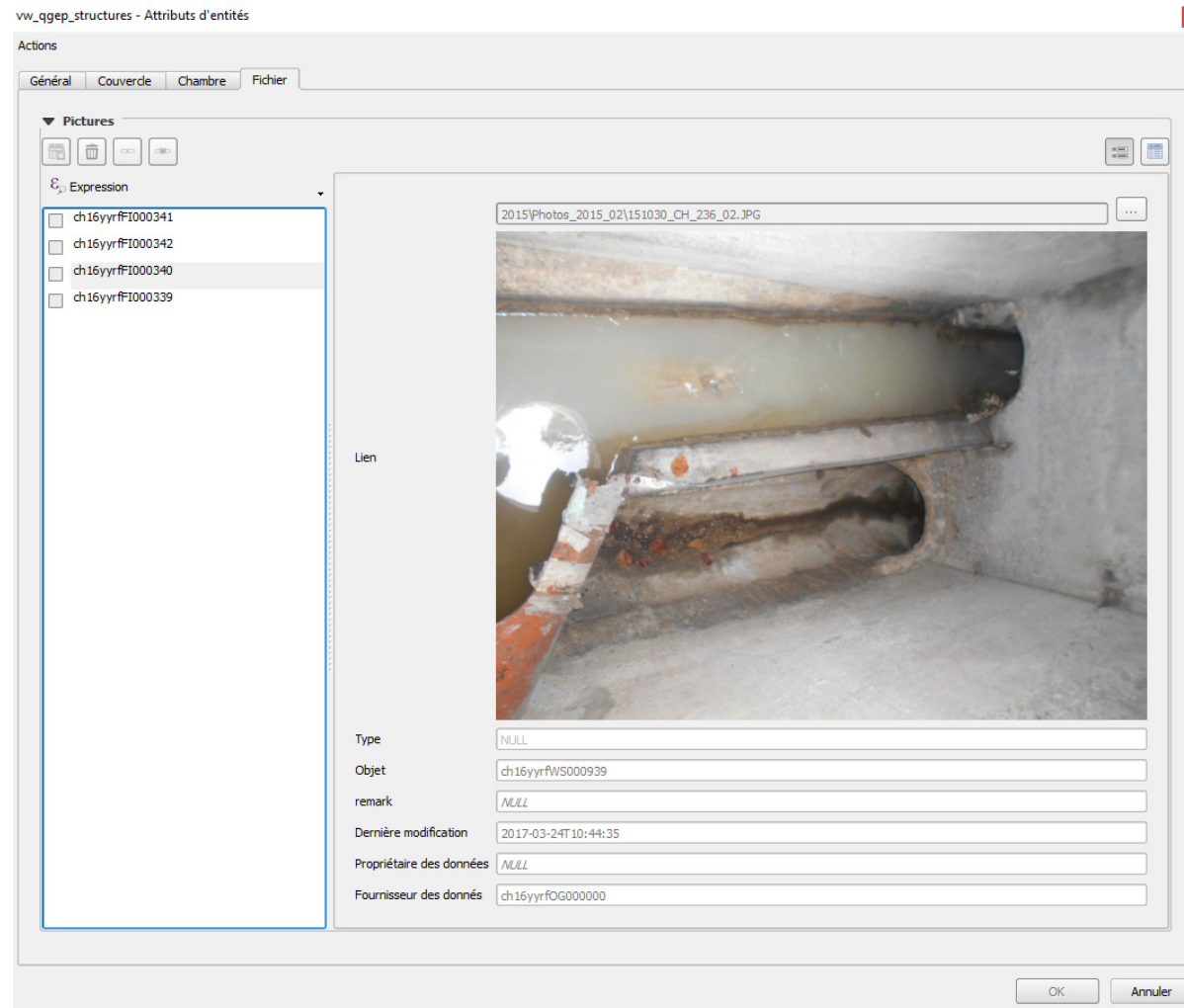
2. QGEP Live Demo

- Network following and profiling



2. QGEP Live Demo

- Pictures and other features





3. Members & Organizational

4 new members joined the group in 2016:

- Ville de Prilly (Maxim Trolliet)
- Géoconseils SA, Colombier (Max Loriol / Valentine Arrieta)
- Andreas Neumann joined the group in January 2016 - temporarily for one year.
- Lausanne, Service de l'eau (Stéphane Perret)

The total number of members is now 9.

If you are interested to join the group – please [contact us!](mailto:qgép@qgis.ch)
qgép@qgis.ch



4. Outlook 2017 – next steps

- Day to day improvements
- QGEP Plugin change to QGIS 3.0
- Bringing INTERLIS Import & Export into User friendly status
- Cooperation with qwat project
- Integration of project file generator
- Winning new members
- And more ...

Links:

- https://www.qgis.ch/en/projects/qgep-waste-water-module?set_language=en
- www.github.com/QGEP