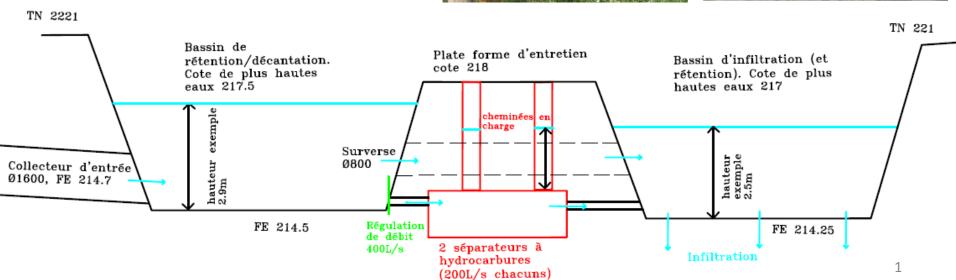
# Engineering internship: green infrastructure for stormwater management

- Design of swales, infiltration and retention basins
- Work with road engineers, a manufacturer and a local authority







en parallèle

#### Water utilities engineer @ MWH NZ

- Design and operation: pump stations, water networks, chlorine treatment plants
- Project and contract management: construction supervision, resource consents

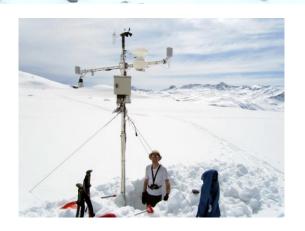


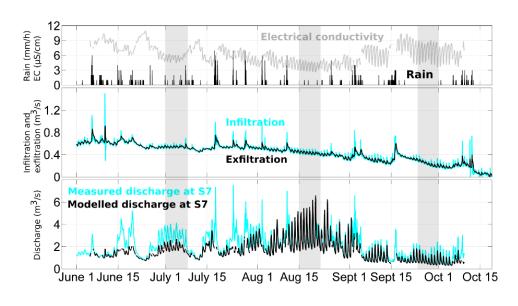
#### PhD @ ETH Zurich / SLF Davos

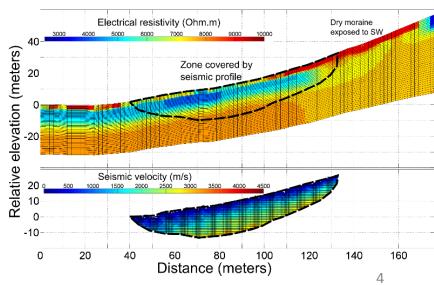
- Hydrology of a glacierized catchment across temporal and spatial scales
- Interdisciplinary work within the SoilTrEC project
- Complementary measurement and modelling approaches:
  - 1. Diurnal stream and groundwater stage fluctuations
  - 2. Local groundwater flow direction and velocity
  - 3. Forefield scale groundwater dynamics
  - 4. Response to climate change

## PhD @ ETH Zurich / SLF Davos







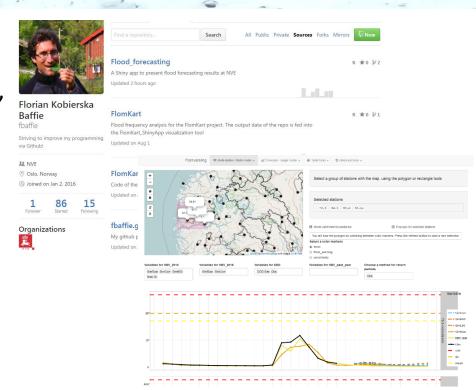


## Post Doc @ NVE, Oslo

- Travelling
- Reading: agro-ecology, society resilience, renewable energy
- Permaculture Design Certificate





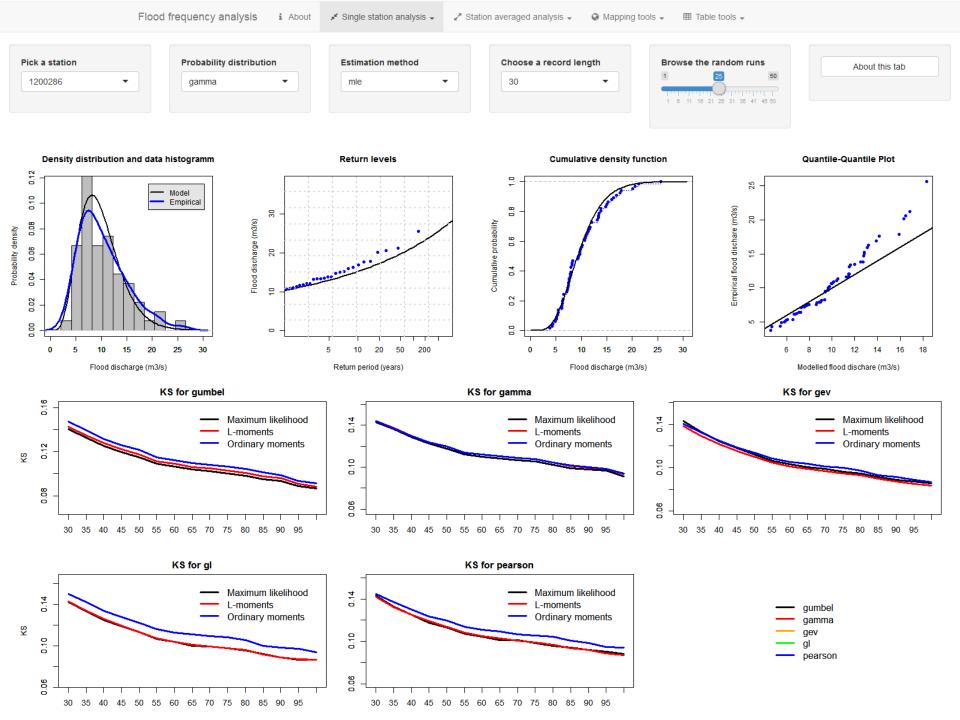


- Work at NVE, Olso
  - ✓ Programming in R
  - ✓ Graphical user interfaces for flood forecasting
  - ✓ Strive for reproducability and collaboration

#### Post Doc @ NVE, Oslo

- Extreme value analysis of flood data
  - Fitting several probability distributions
  - Using various estimation methods
  - Evaluation depending on data availability

Graphical user interfaces on R for flood forecasting



## Flood forecasting app

