



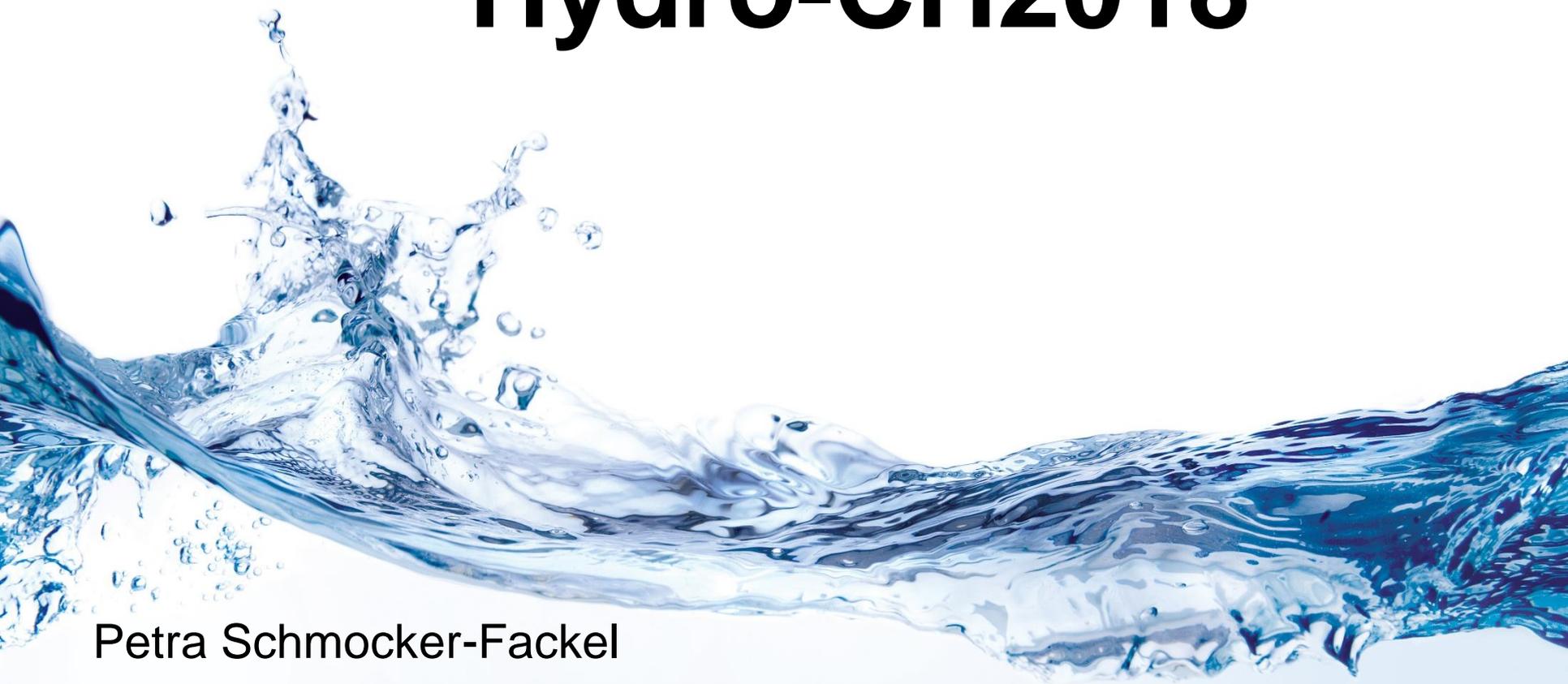
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of the Environment,
Transport, Energy and Communications DETEC

Federal Office for the Environment FOEN
Division

Hydro-CH2018



Petra Schmockler-Fackel
Coordination meeting, 10 May 2017



Aims of today's meeting

- **Getting to know the Hydro-CH2018 participants and research projects,**
- **Next milestones in the Hydro-CH2018 program,**
- **Information about the CH2018 climate scenarios,**
- **Climate scenarios to be used in Hydro-CH2018,**
- **Guidelines for the synthesis report,**
- **Networking**



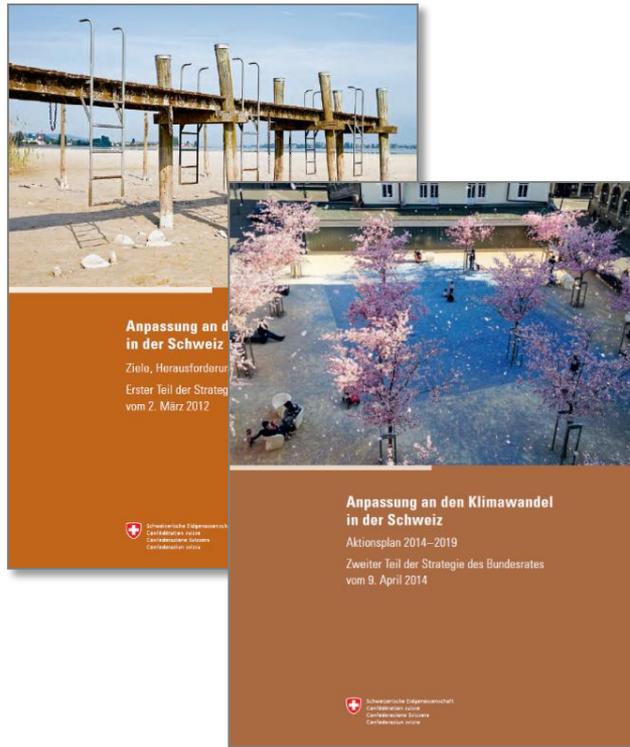


Today's Program

- 1. Hydro-CH2018 program**
- 2. CH2018 Climate Scenarios**
- 3. Discussion on climate scenarios**
- 4. Hydro-CH2018 research projects**
- 5. Synthesis report**



Mandate of the Federal Council for the Hydro-CH2018 program



Action Wg2

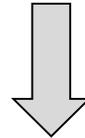
Provide hydrological knowledge and scenarios as a basis for adaptation to climate change

NCCS and Hydro-CH2018

Observations,
Scenarios,
Forecasts,
Research,
Monitoring



Diverse
(potential)
users of climate
services



Research
Projects

Synthesis
Report

Climate
Services



Hydro-CH2018 Program

Ensure efficient and climate relevant hydrological monitoring

Monitoring

Next year

Today



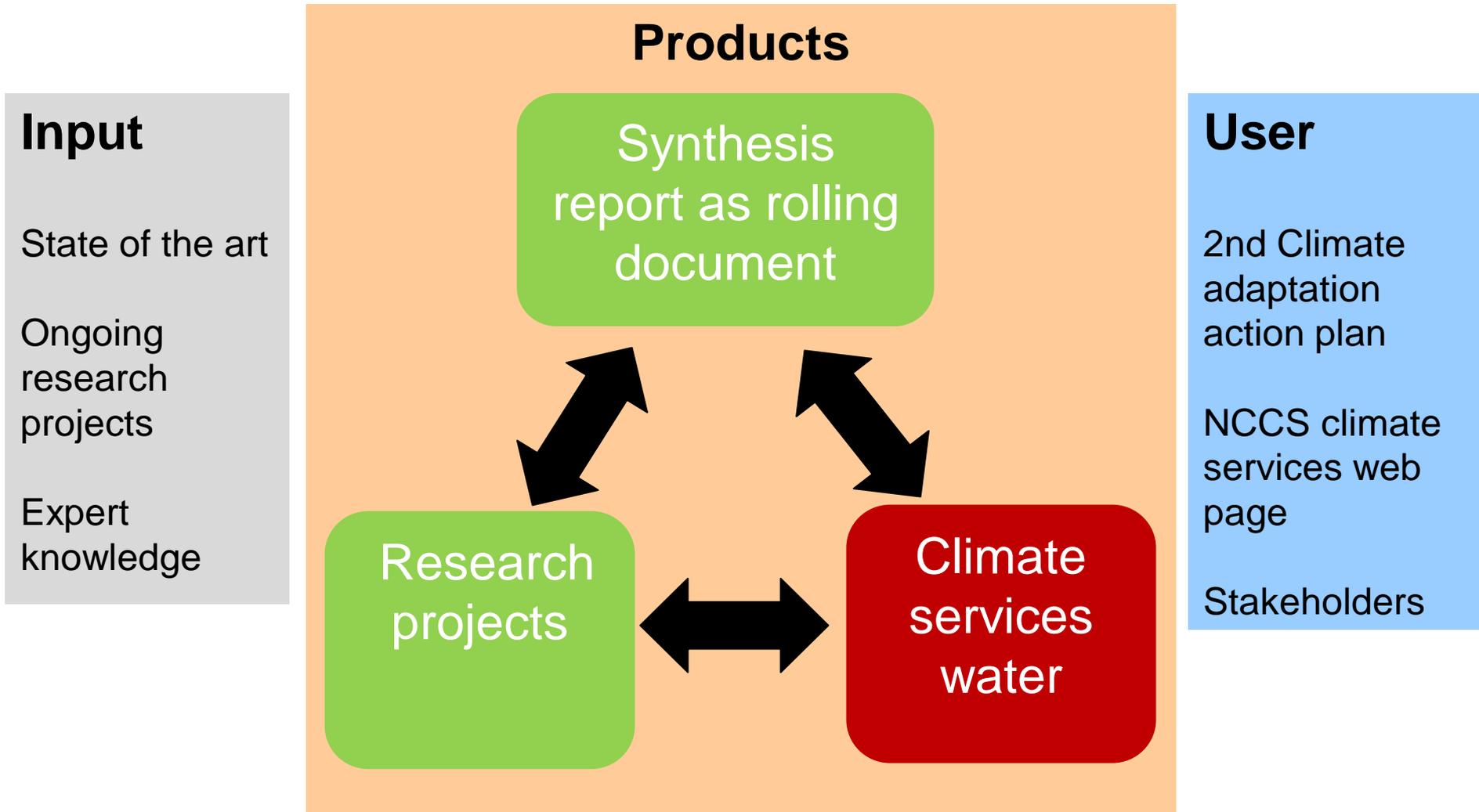
Knowledge

Provide the hydrological bases for adaptation measures in sectors such as integrated water management, natural hazards, agriculture, energy and tourism

Climate Services

Provide climate services that assist decision making

Hydro-CH2018 Products





 **MeteoSwiss**

 **BLW**

 **BAFU**

- Hydrology
- Water
- Climate
- Hazard Prevention
- Forest
- Soil



UNIL | Université de Lausanne



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE



UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG



UNIVERSITÉ
DE GENÈVE

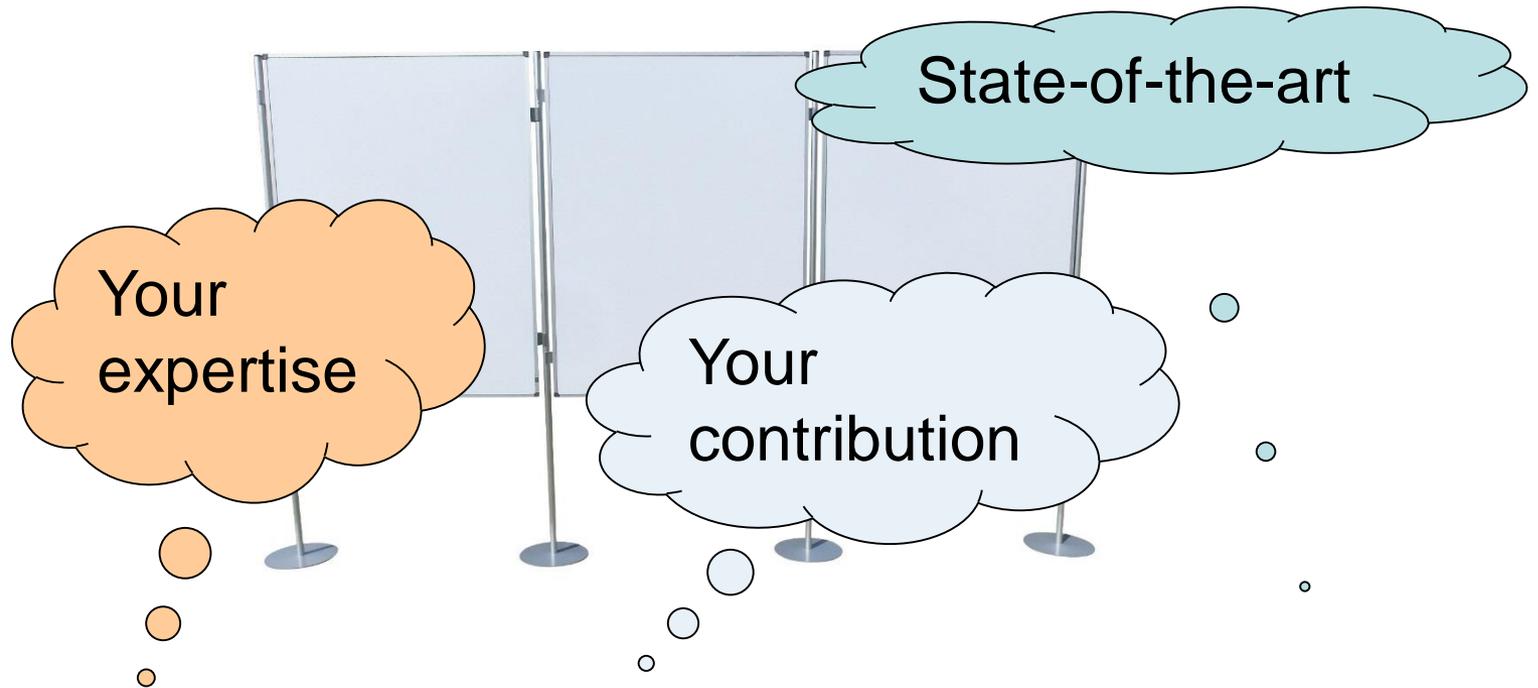
 **Agroscope**

etc.

Hydro-CH2018



Kick-off Workshop 2016





Call for research projects 2016



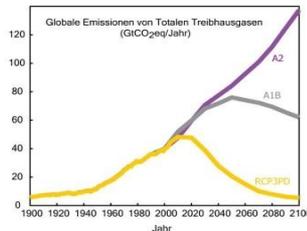
Focus area 1: Multi purpose use of lakes and reservoirs



Focus area 2: Water temperature and water quality



Focus area 3: Future changes in water cycle and extreme events



Focus area 4: Hydrologic Evaluation of CH2018 scenarios



Focus area 2: Water temperature and quality

«Watertemperature
of rivers and lakes»
EPFL/EAWAG



«Discharge
Temp.-
regimes»
UNIL

Groundwater
temperature
Uni Basel



Focus area 3: Water cycle and extreme events

«Water balance and droughts»
ETHZ

«AgriAdapt»
Agroscope, Uni Bern, Uni Neuchâtel



«Snow and groundwater»
Uni Neuchâtel, Uni Lausanne

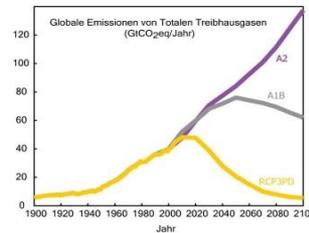
«FORHYCS-ICE-2018»
WSL



Focus area 4: Hydrologic Evaluation of climate scenarios

«Evaluation stochastic downscaling»
ETHZ

Hydrologic Szenarios
Uni Bern



«Snow and Ice melt (ASG Rhine 2)»
Uni ZH (& Freiburg i.Br. + Hydron)



Focus Area 1: Lakes and Reservoirs

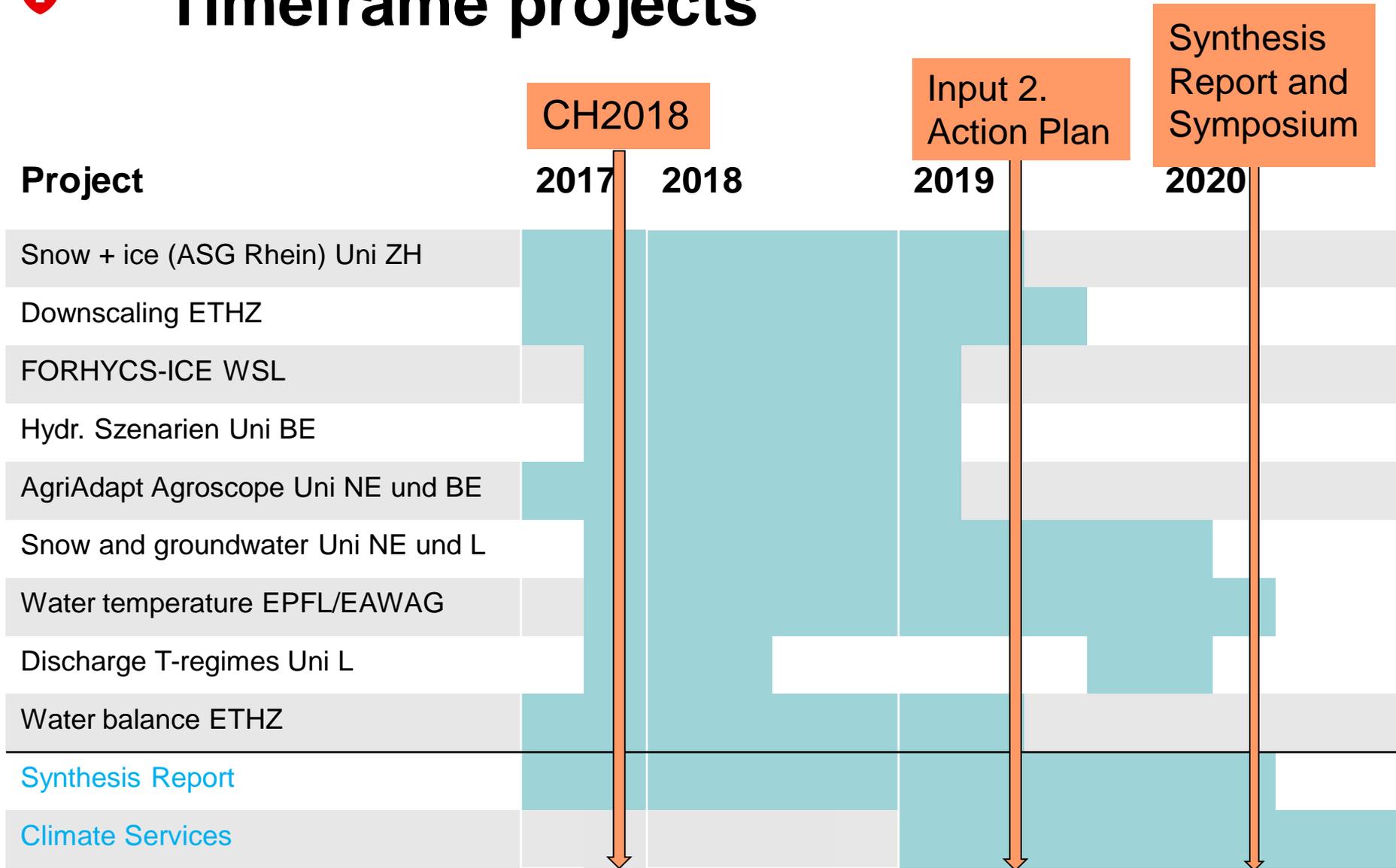
Water demand data
and modelling
Uni Lausanne



Potentialstudie
«Multi-purpose use of
reservoirs»



Timeframe projects





Planned meetings and events

| | |
|------------|---|
| 2.5.17 | Kickoff AgriAdapt and water balance and drought |
| 10.5.17 | Coordination meeting Hydro-CH2018 |
| Q3/Q4 2017 | Kickoffs research projects (Cluster) |
| Q1 2018 | Meeting Synthesis report |
| 2018 | Stakeholder Workshop (Towards climate services Water) |
| 2019 | Coordination meeting and Workshop Input for 2. Aktionsplan Anpassung |
| 2020 | Final Symposium (presentation synthesis report and research results) |

Regularly and when needed meetings with reseach projects and authors of synthesis report.



Thank you!

