

sweet swiss energy research
for the energy transition



RECIPE 

SWEET Conference

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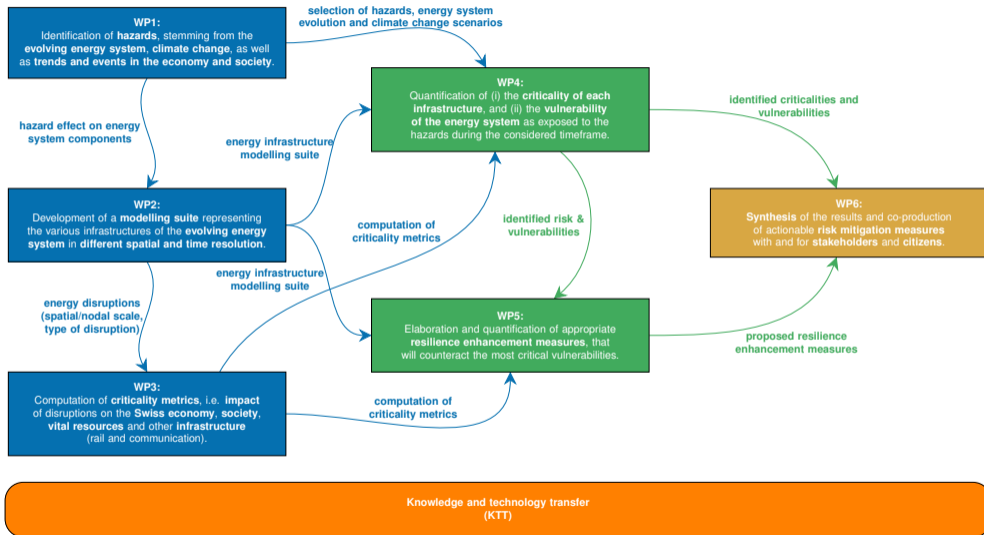
RECIPE

Resilient Infrastructures for the Swiss Energy Transition

RECIPE Consortium studies the **risks**, associated with the **energy transition** and **climate change**, that Switzerland can be exposed to in the next 25-30 years by addressing the following objectives:

- OBJ1** *Assess and quantify the **criticality of each infrastructure type** relevant to the Swiss energy system throughout the energy transition in terms of impacts on the Swiss economy, society, vital resources, and ecosystem.*
- OBJ2** *Identify **combinations of (technical, societal, economic, environmental) hazards, scenarios for energy system evolution and climate change**, to which the Swiss energy system is vulnerable.*
- OBJ3** *Propose a set of **resilience enhancement measures** such as (i) adding new or maintaining existing energy infrastructure, (ii) new operational, asset management or monitoring processes allowing to properly and timely react to hazardous events, and (iii) non-technical measures, such as devising targeted policies that are techno-economically and socially suitable for reducing the identified risks.*
- OBJ4** *Propose the **Swiss stakeholders a roadmap of actions**, so that they can timely and efficiently address the identified risks.*

Concept Workplan



Impact

Expected Outcomes

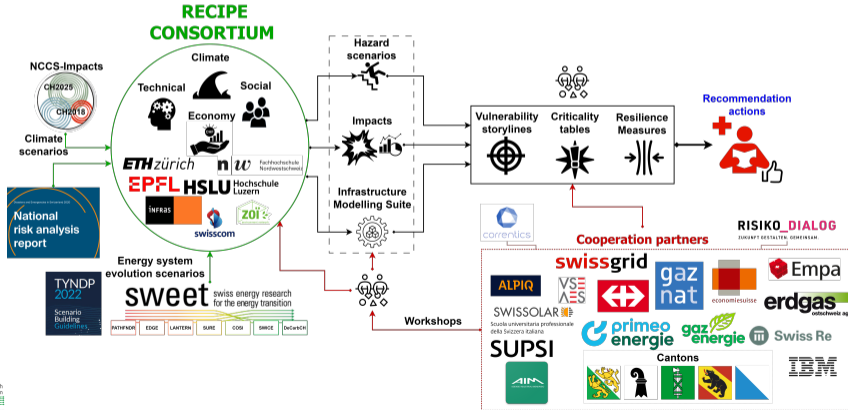
RECIPE Consortium, actively engaging the **Swiss industry** and the **policy-makers** as **direct receivers**, will identify the **risks from the energy transition & the climate change** and will propose specific **countermeasures**.

- OUT1** *New knowledge on the risks* that the energy transition and climate change are expected to expose Switzerland to in the form of **criticality tables** and **vulnerability storylines**.
- OUT2** *Specific suggestions* backed by in-depth analysis **to relevant stakeholders** about how the identified risks shall be mitigated.
- OUT3** *New scientific methods*, analysis frameworks and models and assembling of new data and knowledge.
- OUT4** *Cases studies* developed **with the cooperation partners** covering a broad set of infrastructures, hazards and vulnerabilities.

RECIPE Consortium

Members and Cooperation Partners

The synergy between the **academic excellence** and the **industrial know-how and experience**, captured by **transdisciplinary** methods, is the **strength** of the **RECIPE** Consortium and will be the main enabler to reach its objectives.





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