

PATHFNDR is a consortium funded by the SFOE under the SWEET programme

8 research partners

















25 cooperation partners



















































In line with the national vision of net-zero GHG emissions we imagine ...

an efficient, flexible, resilient, cost-effective, and sustainable Swiss energy system by 2050.

Within this future, the main goal of the **PATHFNDR project** is to ...

develop and analyze energy transition pathways for renewable energy integration in Switzerland.

Heat pumps

Wind and geothermal energy

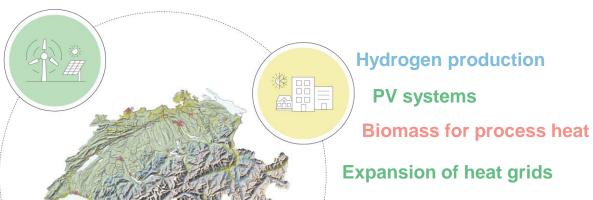
Heavy vehicles using rail, bioenergy and hydrogen

Battery-powered cars

Negative emission technologies

Hydropower

Efficient industrial processes



Cement and chemical plants with CCS

Well insulated buildings

Waste incineration with CCS



The expected outcomes are:



1. Feasible pathways for the energy transition that enhance flexibility and sector coupling



2. Planning and operation tools for assessing flexibility options across sectors and along different spatiotemporal scales



3. Pilot and demonstration projects for testing flexibility market designs and technologies



4. Identifying new business opportunities and innovation strategies at the cross-sector, value chain and firm levels



5. Analysis of **potential policies** for the energy transition and decarbonization

