



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Bundesamt für Energie BFE
Office fédéral de l'énergie OFEN
Ufficio federale dell'energia UFE
Swiss Federal Office of Energy SFOE



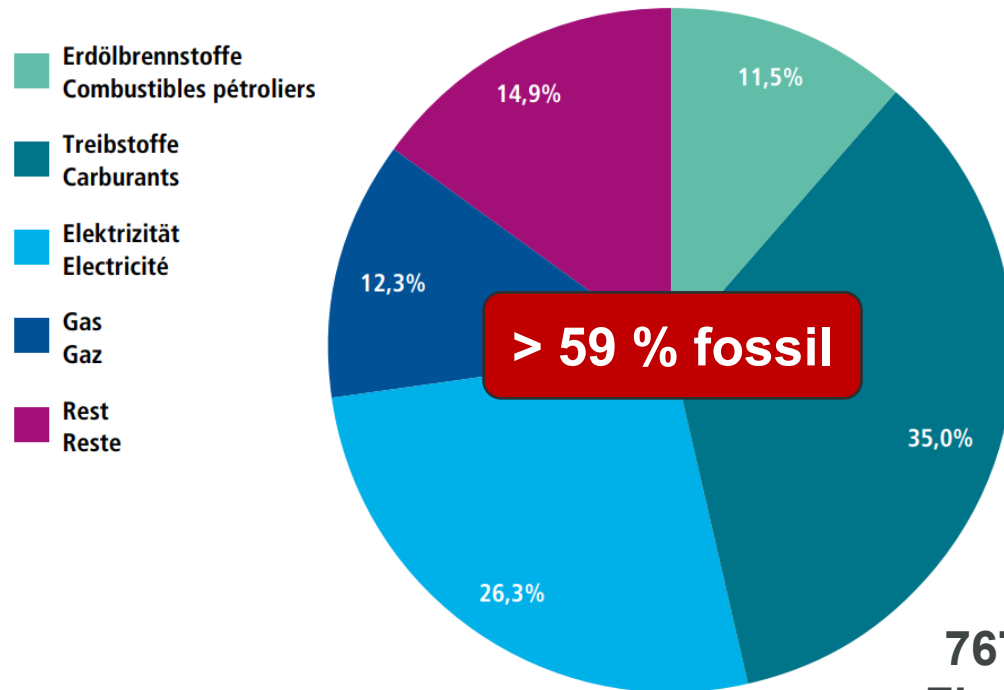
Secure and Sustainable Energy Supply

The SFOE Funding Programmes

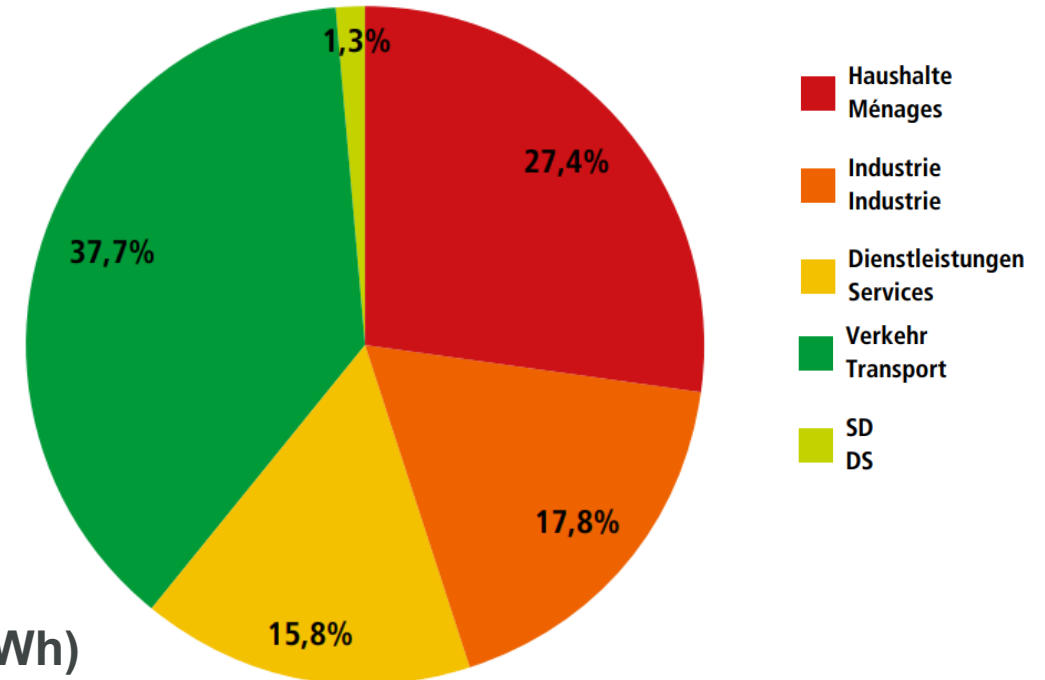


ENERGY DEMAND IN SWITZERLAND

Energy Carriers



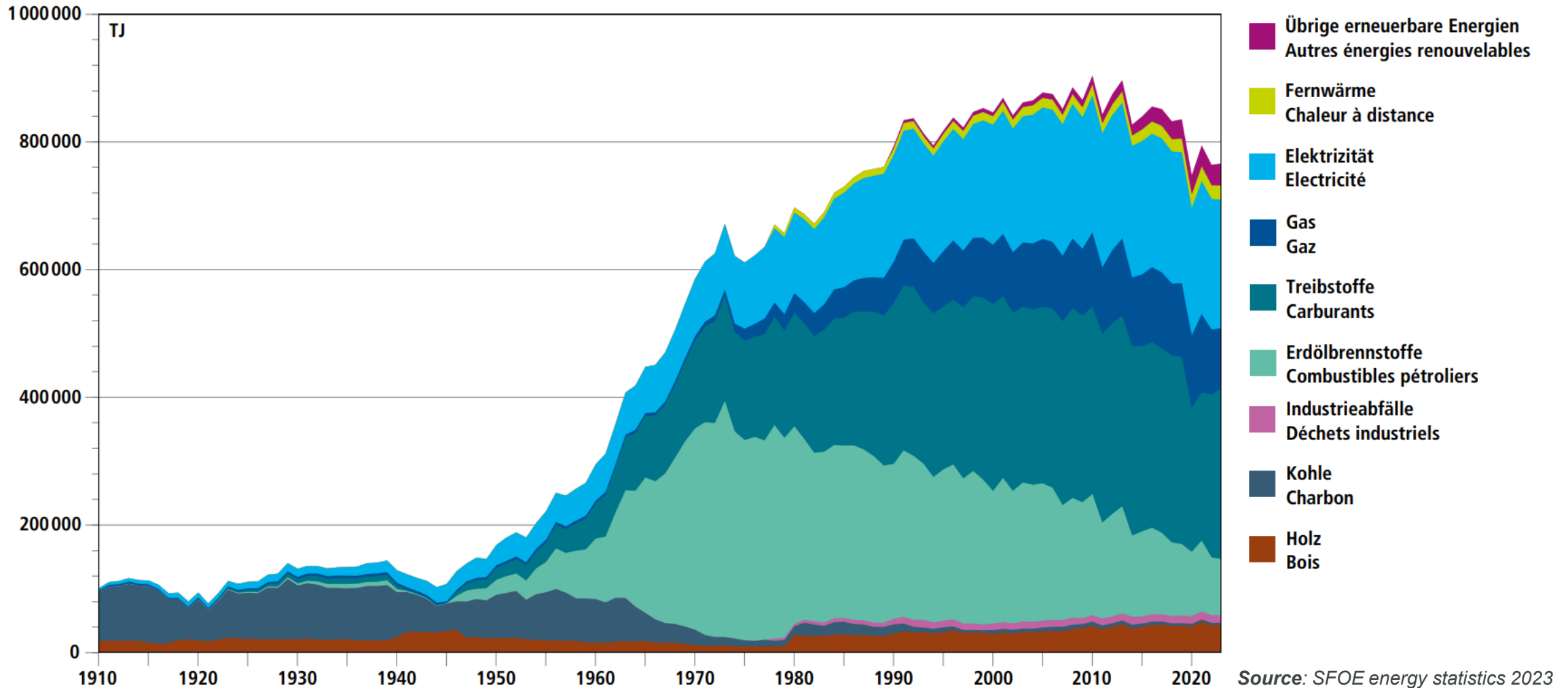
Demand by Sector



Source: SFOE energy statistics 2023



A SLOW BUT STEADY TRANSITION





REVISION OF FEDERAL ACTS ON ENERGY (MANTELERLASS) CLEAR ORIENTATION THROUGH LONG-TERM TARGETS



Targets for production expansion and consumption (Art. 2 und 3 EnG)

Binding targets for 2035 and 2050.

Accelerated and increased expansion of renewable energies.

Ambitious consumption targets despite extensive electrification (decarbonization of transport and buildings).

	2035	2050
Renewable energies (without hydropower)	35 TWh	45 TWh
Hydropower		
Electricity consumption (per person and year)		
Total energy consumption (per person and year)	- 43% vs. 2000	- 53% vs. 2000

Clear targets
for expansion of renewables
and consumption (efficiency)



FEDERAL ENERGY RESEARCH COMMISSION



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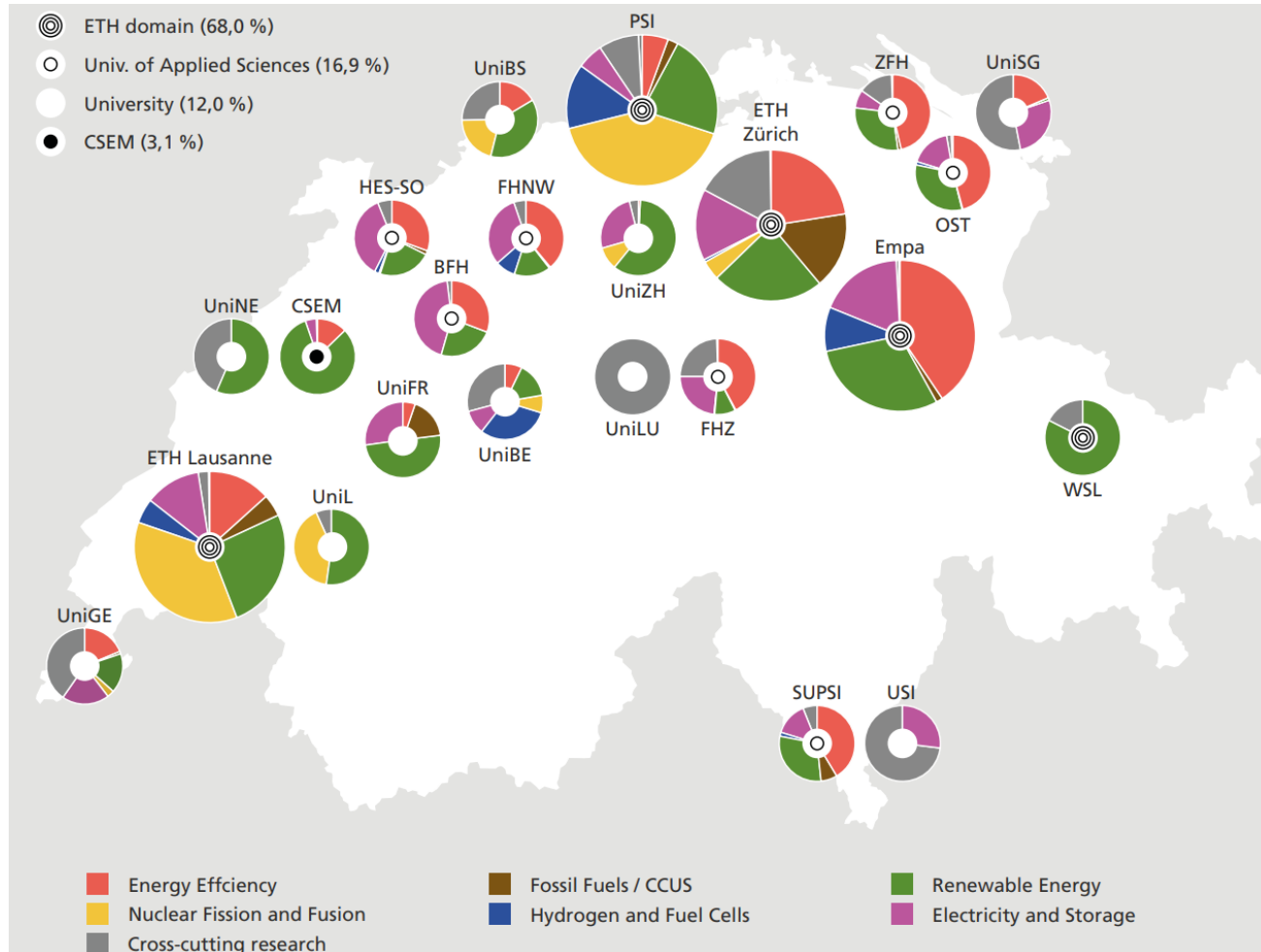
Federal Department of the Environment,
Transport, Energy and Communications DETEC

Federal Energy Research Commission CORE
Swiss Federal Office of Energy SFOE

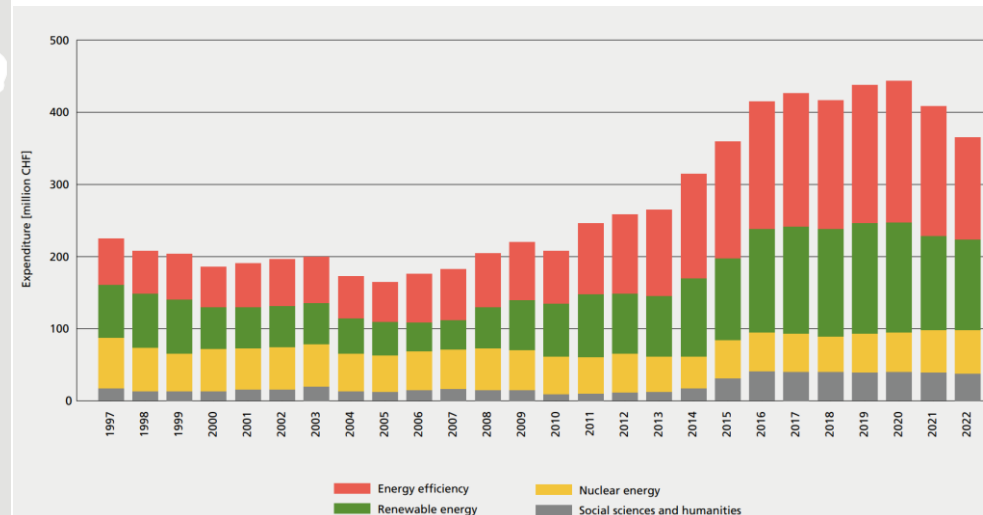
ENERGY RESEARCH MASTERPLAN of the Federal Government **2025–2028**



ENERGY RESEARCH IN SWITZERLAND

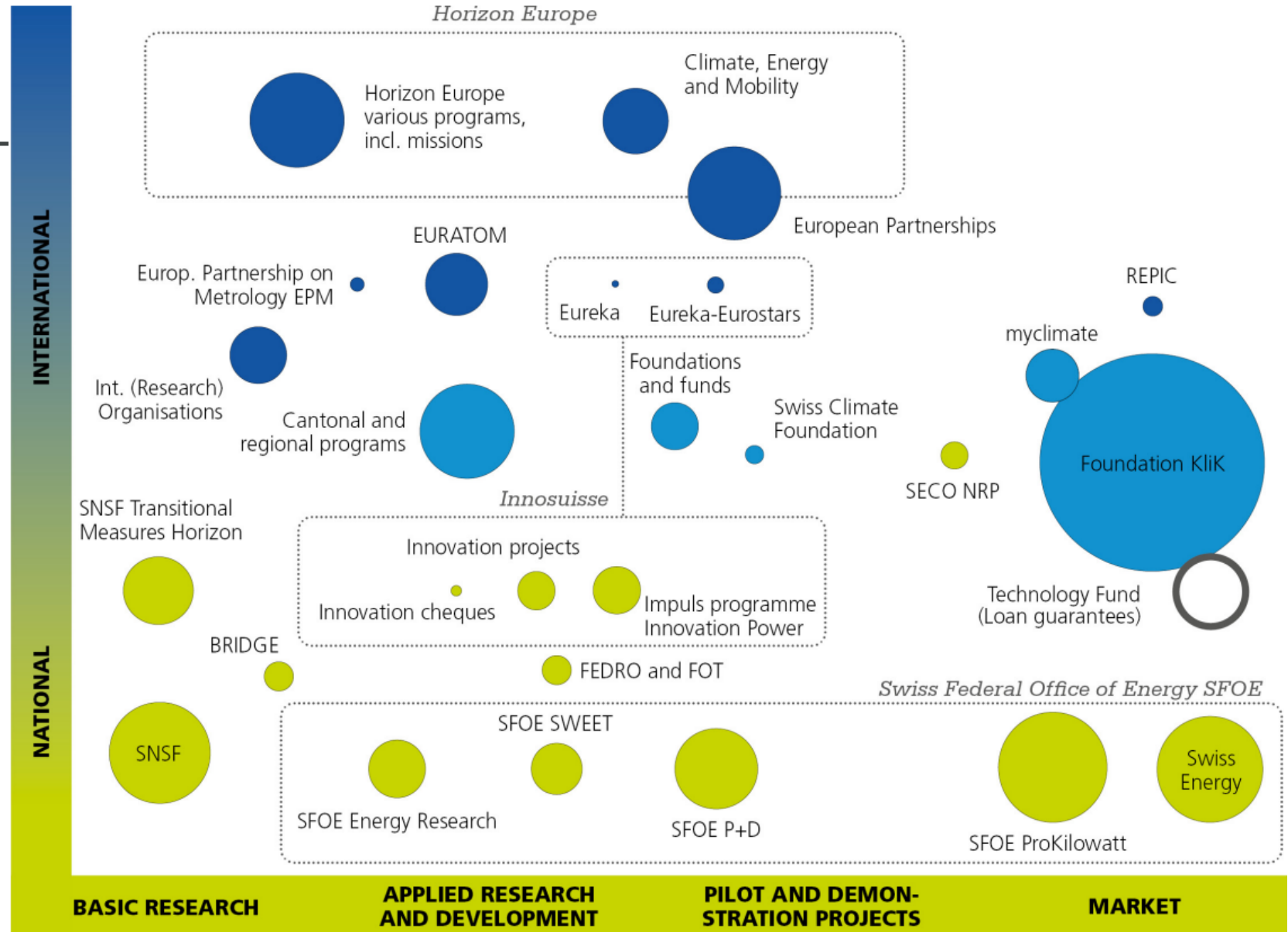


- 68% within ETH domain
- ~20% funded by SFOE



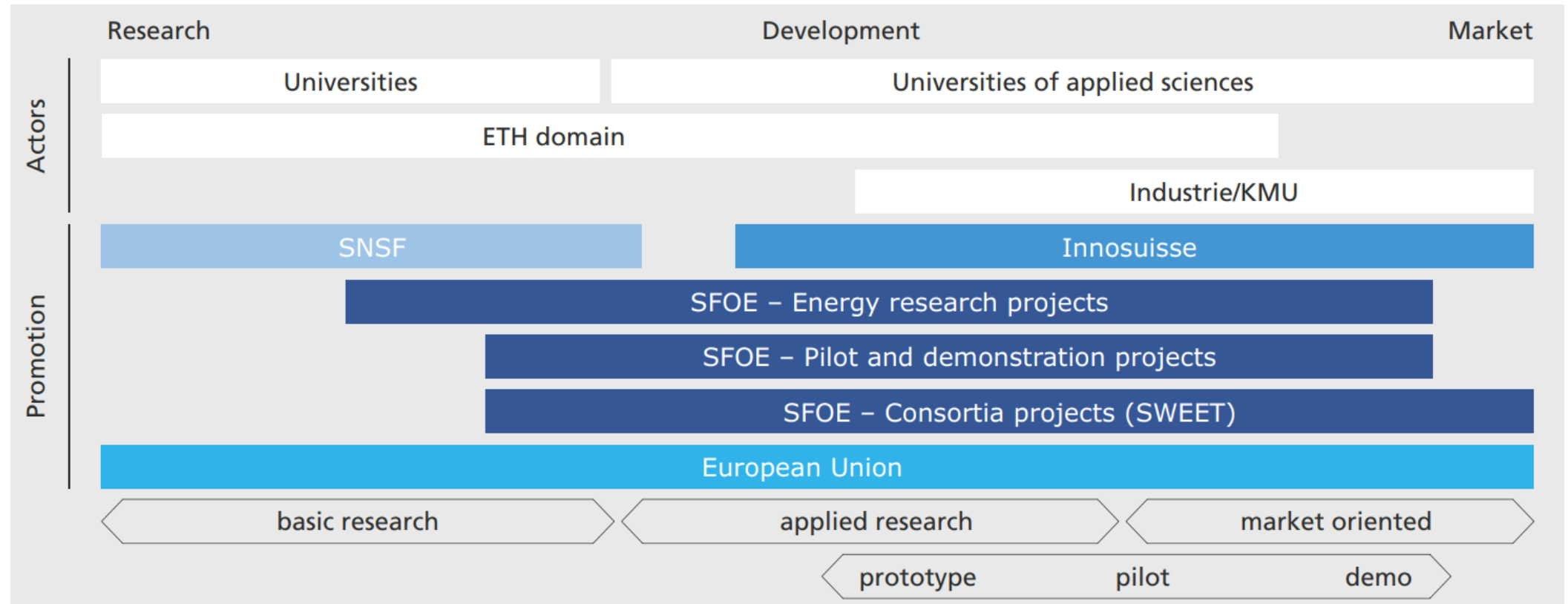


FUNDING LANDSCAPE





NATIONAL PLAYERS AND INTERFACES





ENERGY RESEARCH PROGRAMMES

Energy efficiency



Buildings and Cities



Mobility



Industrial Processes (CCUS)



Grids



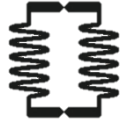
Electricity Technologies



Fuel Cells



Batteries



Heating and Cooling

Renewable energy



Solar Heat and Heat Storage



Photo-voltaics



High-temperature Solar Energy (CSP)



Wasserstoff



Bioenergy



Hydropower



Geo Energy



Wind Energy



Dam Safety

Economy and society



Energy – Economy - Society





ENERGY RESEARCH PROGRAMMES

Key Facts



Target groups
**Companies, Universities,
Research Institutions**



Budget (annual)
18 Mio. CHF



New projects/year
~100



SFOE funding
10-100%
of direct project costs,
subsidiary, based on TRL and case
specific

Criteria



Innovation
Generate and publish
genuinely new knowledge



Application-oriented
- Reduction of energy
consumption and emissions
- Expansion / Integration of
renewable energy
- Flexibility,
secure supply of energy



Potential for success
Excellence; competencies and
experience of the project team;
methodology and schedule;
cost/benefit

Procedure



1 Check if your project fulfills all
criteria



2 Contact programme manager
Submit and discuss project
sketch (one pager)



3 Submit a complete proposal

➤ **Open submission (bottom-up)
and Calls (top-down)** ◀

Find more information on our
website and in the [Directive](#).





SWEET

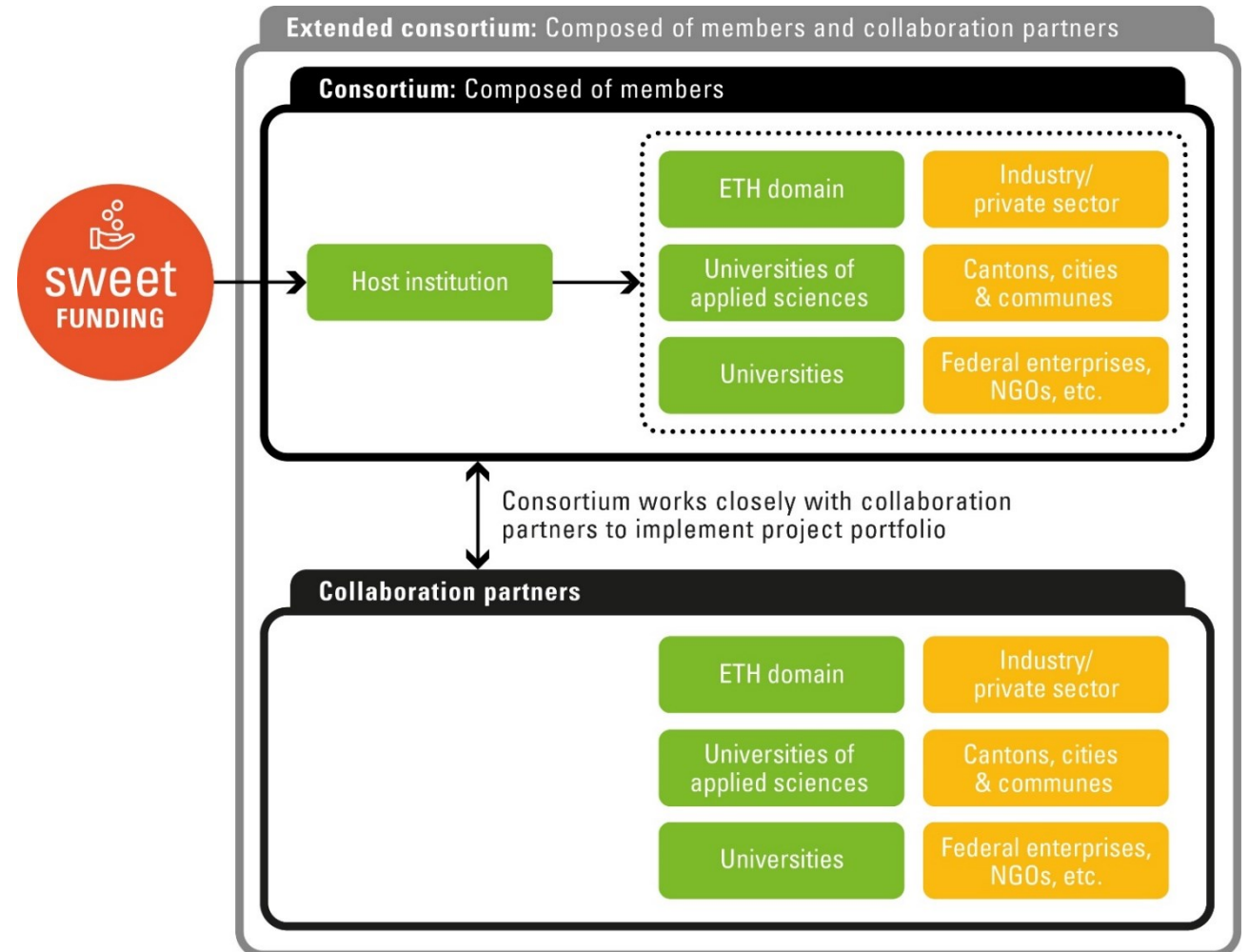
SWISS ENERGY RESEARCH FOR THE ENERGY TRANSITION

Programme

- Duration 2021-2032
- Subsidy budget of 135.2 MCHF
- Competitive calls for proposals

Consortia

- Inter-/transdisciplinary
- Led by academic «host institution»
- At least 5 members:
 - 1 university or ETH institution
 - 1 university of applied sciences
 - 2 private-sector institutions

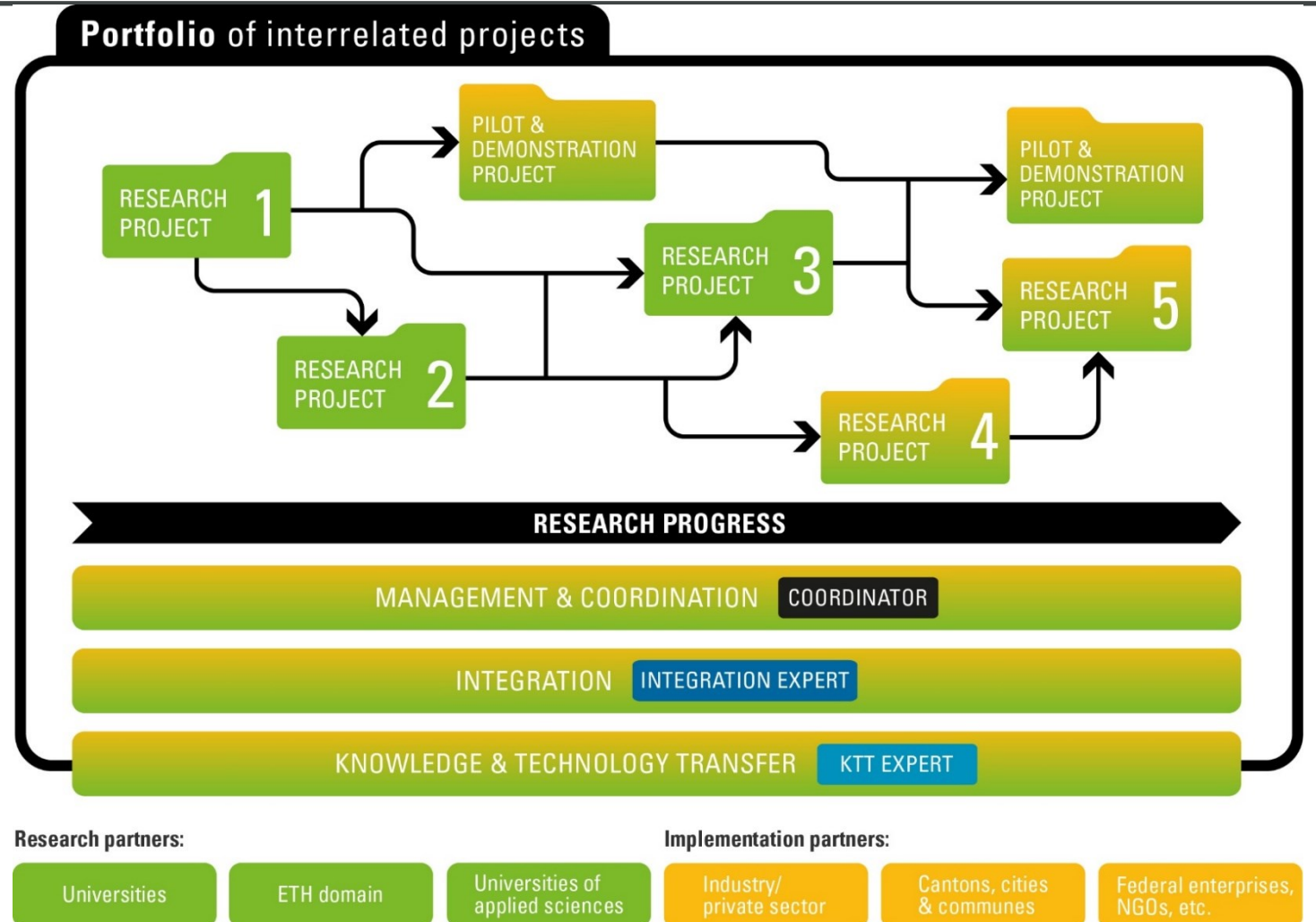




GENERAL INFORMATION

Work programme

- Duration 6 to 8 years
- Project portfolio of interrelated projects
- Supplementary budget for new research questions (earliest after 2 years)
- Additional funding through P+D-program of SFOE (uncertain due to proposed budget cuts)





COMPLETED CALLS AND CONSORTIA

SWEET Call 1-2020

Integration of Renewables into a Sustainable and Resilient Swiss Energy System

Budget: 30 MCHF (excl. P+D funding)

DeCarbCH (UniGE)
EDGE (EPFL)
PATHFNDR (ETH)
SURE (PSI)

SWEET Call 1-2021

Living & Working

Budget: 20 MCHF (excl. P+D funding)

LANTERN (HES-SO)
SWICE (EPFL)

SWEET Call 1-2022

Co-Evolution of the Swiss Energy System and Swiss Society

Budget: 10 MCHF (excl. P+D funding)

CoSi (UniBS)

SWEET Call 2-2022 (Joint call with FOCA and Armasuisse)

Sustainable Fuels and Platform Chemicals

Budget: 15 MCHF (excl. P+D funding), additional funding available from FOCA for projects with direct link to aviation

reFuel.ch (Empa)

SWEET Call 1-2023 (Joint call with NCCS)

Critical Infrastructures, Climate Change, and Resilience of the Swiss Energy System

Budget: 8 MCHF (excl. P+D funding)

RECIPE (ETH)



OPEN AND PLANNED CALLS

SWEET Call 1-2024 (Joint call with FOEN)

Addressing Residual Emissions to Reach the Net-Zero Target

Focus on emissions that will be hard to abate in 2050, especially cement production, waste incineration, and agriculture. CCS chain (processes, transport, storage) and negative-emission technologies (technical and biological). Legal, regulatory, economic, and social aspects. Pilot- and demonstration plants.

Budget: 18 MCHF (excl. P+D funding)

Pre-proposal deadline:
3 July 2024

Two consortia from
Empa and EPFL submitted
pre-proposals

SWEET Call 1-2025?

Topic not yet fixed

Budget: Approximately 10 MCHF (excl. P+D funding)

Call uncertain due to
proposed budget cuts

SOUR Call 1-2025?

Topic not yet fixed

Budget: Not yet fixed

Call uncertain due to
proposed budget cuts

