


Swiss Competence Centers for Energy Research

SCCER

tackling the energy
turnaround



Swiss-USA Energy Innovation Seminar
Boston, July 11, 2014
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 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Commission for Technology and Innovation CTI

 FNSNF
SWISS NATIONAL SCIENCE FOUNDATION

Tackling the energy challenges requires substantial innovations

The challenges



CO₂ emissions



Risk of nuclear power plants

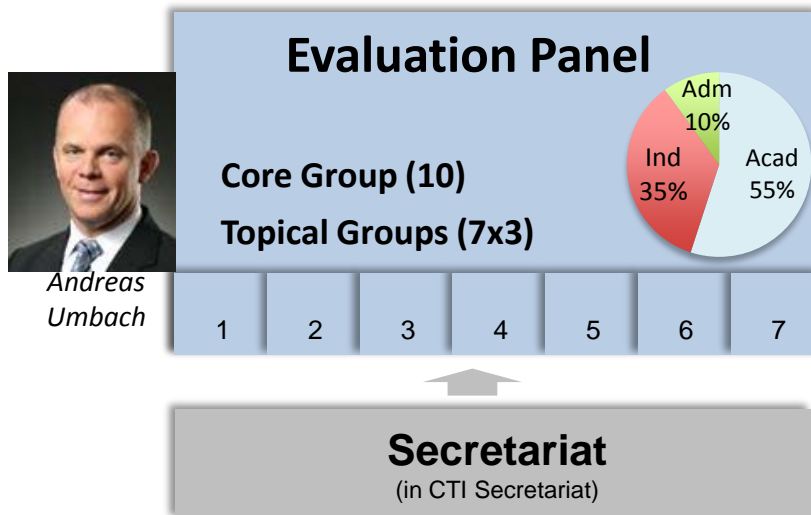
The political decision

The Bundesrat proposes to **boost renewable energy** and **close down nuclear power plants**

The practical initiatives

- ▶ requires substantial innovation
- ▶ strengthen energy research:
 - 72 Mio for SCCER
 - 46 Mio R&D projects

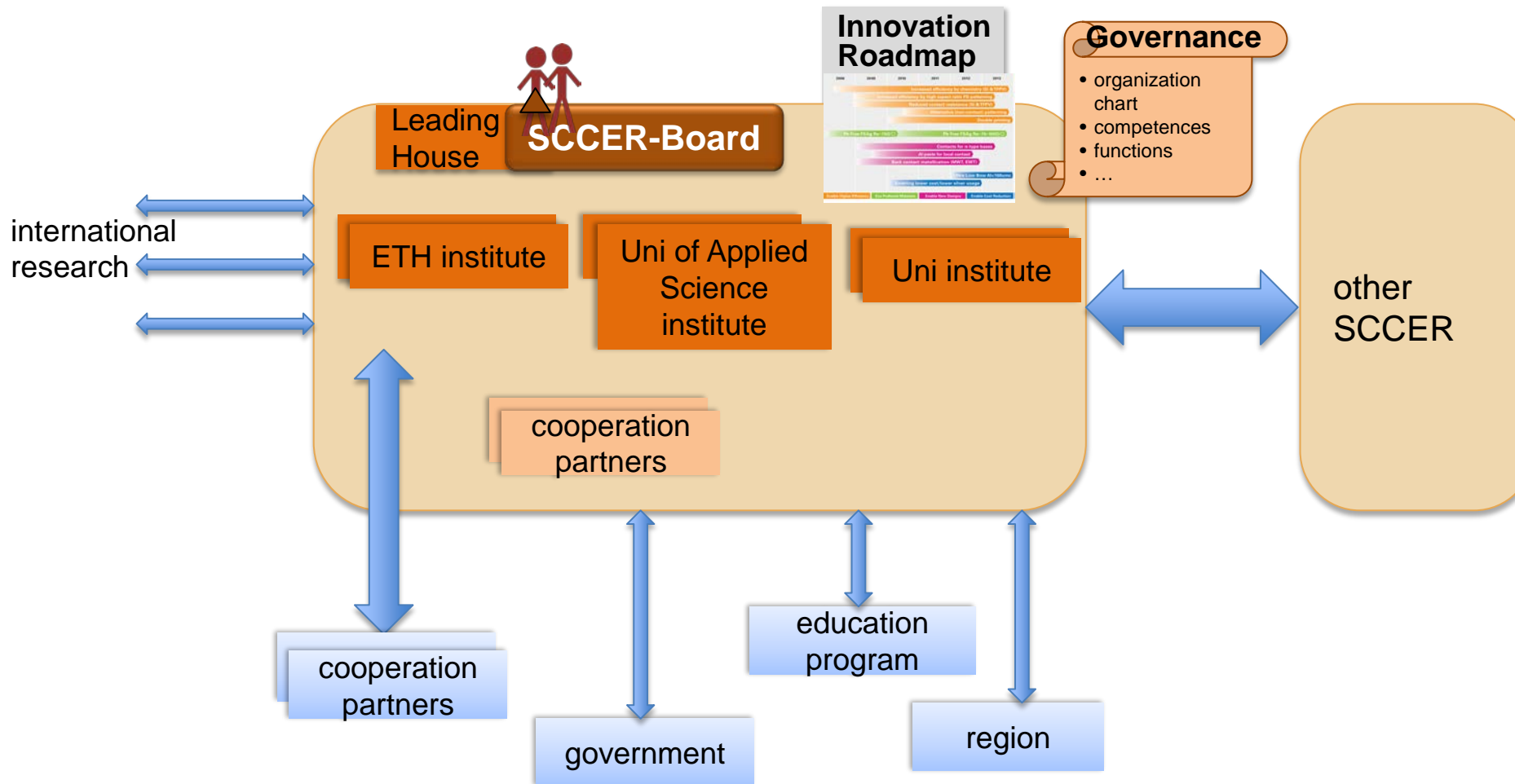
Leveraging existing organizations – joint CTI – SNSF Steering Committee and international Evaluation Panel









Action areas

- Efficiency
- Grids
- Storage
- Energy supply
- Economy, Environment, Law, Behaviour
- Mobility
- Biomass

SCCER - innovation consortia



8 new Swiss Competence Centers - 72 Mio. CHF for three years

Action area	SCCER
Efficiency	<p>FEED&D Future Energy Efficient Buildings and Districts</p> <p>EIP Efficiency of Industrial Processes</p>
Grids and their components, energy systems	<p> SCCER - FURIES Shaping the FUTURE Swiss Electrical Infrastructure</p> <p>sccer-furies.epfl.ch</p>
Storage	<p> Storage Swiss Competence Centers for Energy Research www.sccer-hae.ch</p>
Power supply (supply of electrical energy)	<p> SCCER SoE SWISS COMPETENCE CENTER for ENERGY RESEARCH SUPPLY of ELECTRICITY www.sccer-soe.ch</p>
Economy, environment, law, behaviour	<p> SCCER CREST Swiss Competence Centers for Energy Research Competence Center for Research in Energy, Society and Transition sccer-crest.unibas.ch</p>
Efficient concepts, processes and components in mobility	<p> SCCER mobility</p>
Biomass	<p> biosweet Swiss Competence Center for Energy Research</p>

Orchestrating research with a purpose

for a better Switzerland

