

# **Reaching the Sustainable Development Goals**

## **The contribution of the swiss academies of arts and sciences**

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Chair td-net

# Common roots of our today's



Contributions: Science-based driven by research questions and hypotheses

**a<sup>+</sup>** akademien der  
wissenschaften schweiz

td-net  
Network for Transdisciplinary Res

**a<sup>+</sup>** akademien der wissenschaften schweiz  
académies suisses des sciences  
accademie svizzere delle scienze  
academias svizras da las ciencias  
swiss academies of arts and sciences

sc|nat<sup>+</sup>

Swiss Academy of Sciences  
Akademie der Naturwissenschaften  
Accademia di scienze naturali  
Académie des sciences naturelles



SAGW  
ASSH

 **SAMW**

Schweizerische Akademie der Medizinischen Wissenschaften  
Académie Suisse des Sciences Médicales  
Accademia Svizzera delle Scienze Mediche  
Swiss Academy of Medical Sciences

**satw** it's all about  
technology

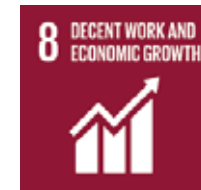
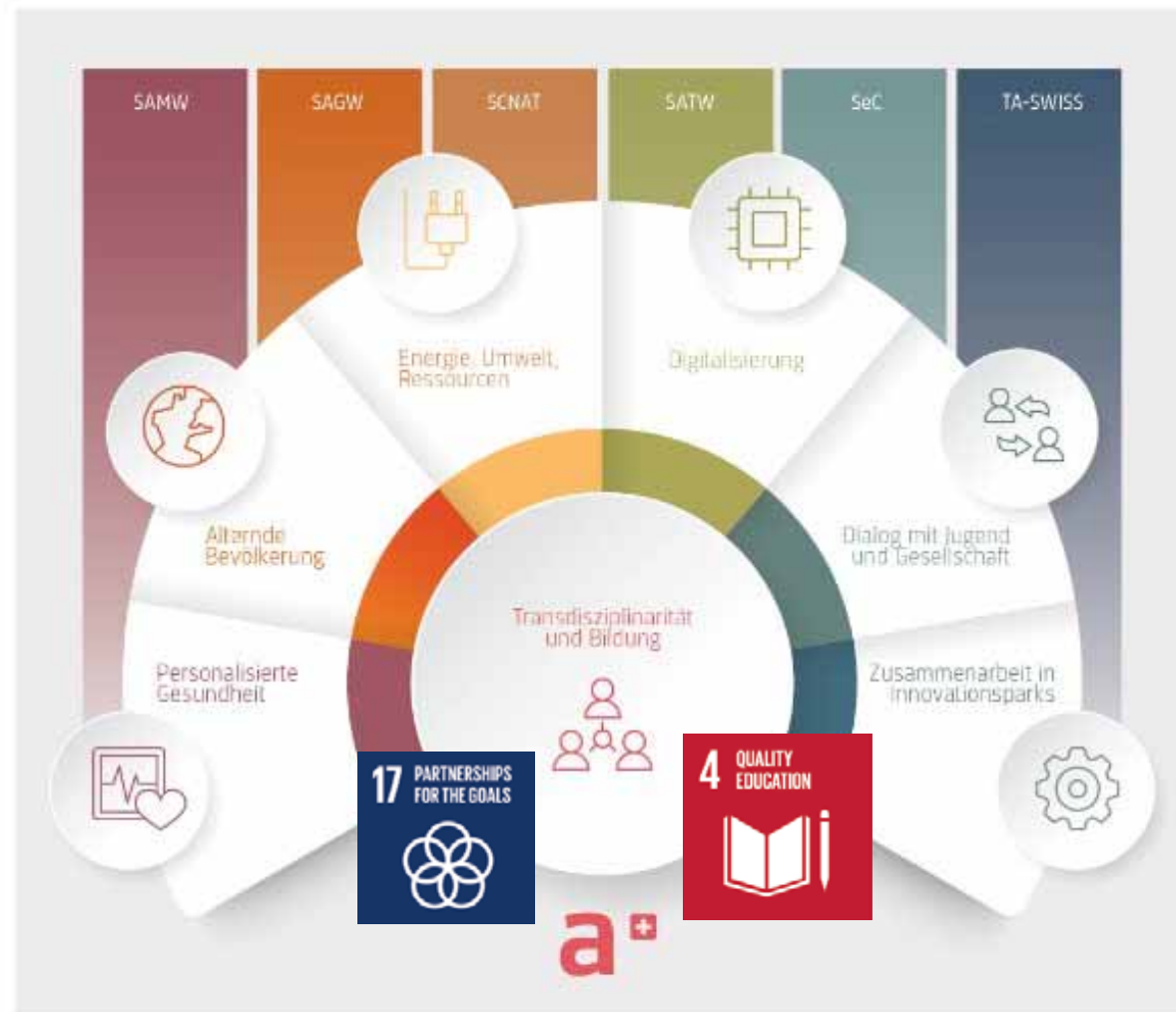
science|cité



## Main topics



# Direct contributions to SDGs of a+



- Health research, live quality, «ageing society»
- National education strategy,
- Marriage and partnership between norms and realities
- Swiss society for sociology
- Conferences and publications
- Swisspeace – Conflict sensitivity





sc | nat 

Science and Policy  
Platform of the Swiss Academy of Sciences  
Commission for Research Partnerships  
with Developing Countries KFPE

## KFPE

Swiss Commission for Research Partnerships with Developing Countries

**Mission:** KFPE promotes efficient, effective and equitable research co-operation with developing and transition countries. By doing so, it contributes to sustainable development and to solving global problems.

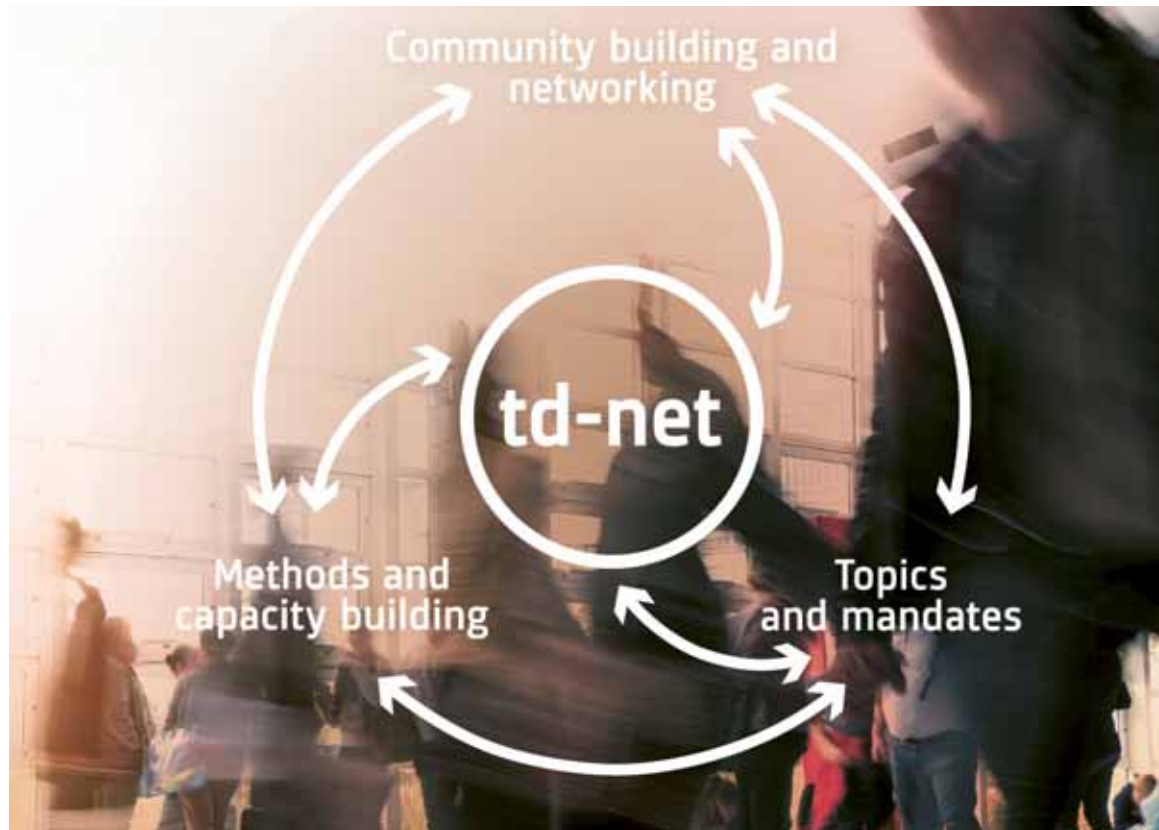
Its **members** are experienced in the field of scientific research partnerships with developing and transition countries.

At present, the **associated institutions** include about 50 Swiss institutions active in scientific research, in the promotion of scientific research or in development, Departments of the Federal Government, and Foundations.





## Network for Transdisciplinary Research td-net

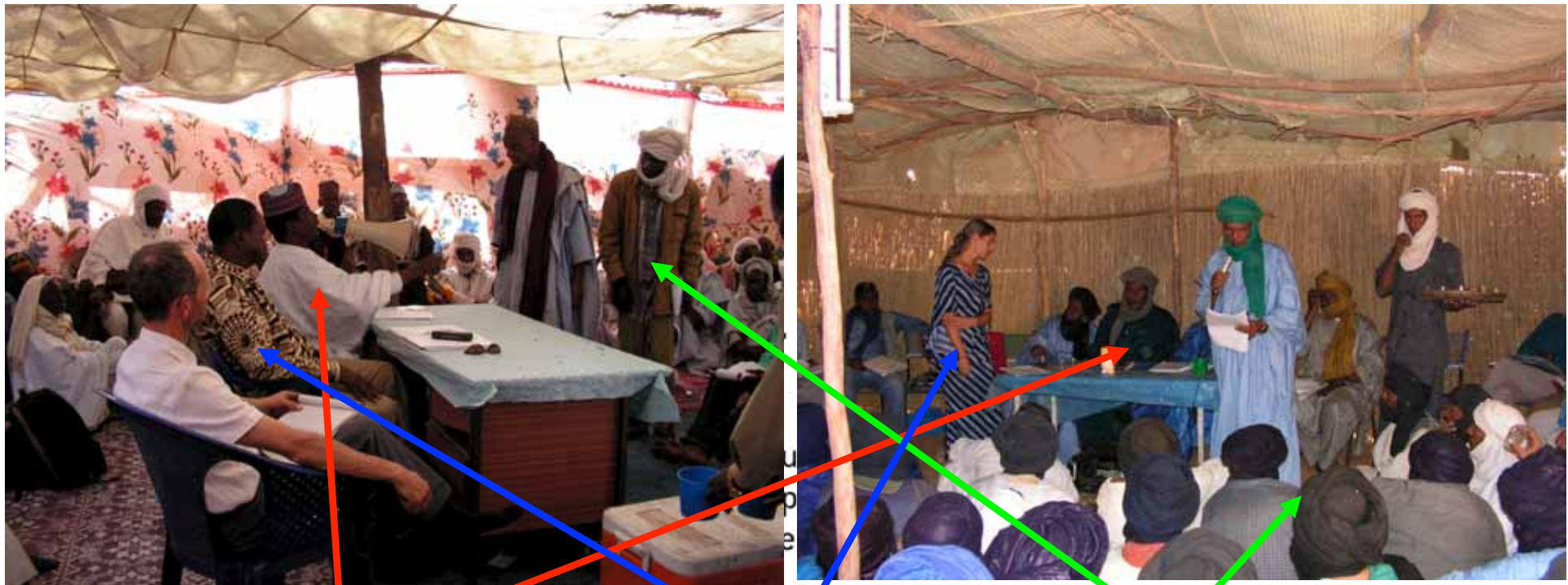


Swiss *Future Earth* focal point





## Co-production of knowledge between academic and non-academic actors as research partners:

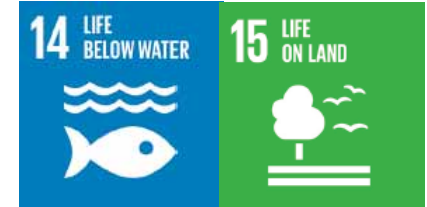


**Decision makers**

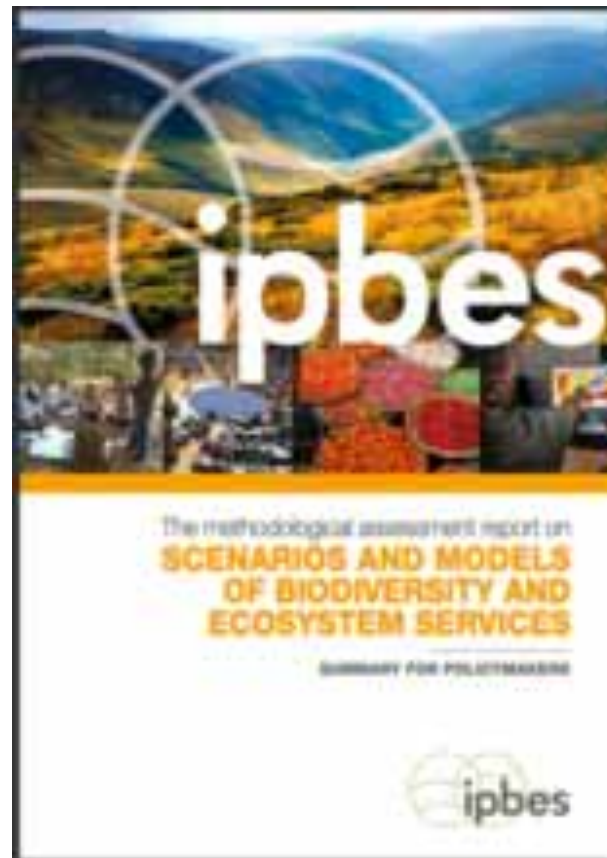
**Scientists**

**Concerned population**





## Platform biodiversity



## **Key critical reflections on the state of development to stimulate and focus scientific contributions to SDG effective implementation**

- Are we on-track and or are doing business as usual?
- Persisting high energy consumption
- State of health and social systems – sustainable and affordable ?
- How do we tackle the embarrassment of our food waste?
- How do we reconcile economic growth and the undeniable need for moderation of consumption?
- How do we respond to the persisting crisis of migration within Europe and world wide?
- Let us move from «Switzerland first» to Switzerland as a reliable global partner for sustainable development

→ Breu T. et al. (2017) Die Schweiz und die Agenda 2030, SDSN network

## **Towards a Swiss research agenda and portfolio for the SDG implementation**

- A systemic approach to complexity by the inter- and transdisciplinary integration of fragmented disciplines
- Develop, refine a research agenda for SDGs and specific issues of Swiss expertise/experience and needs:
  - SDGs: ## 1-17
  - Clean energy solutions at lowest cost
  - Towards zero emission solutions for industries, governments and households
- Create evidence for the most equity effective health interventions
- Novel contextually adapted multilevel education systems
- Adapt dual professional education to foster industrialization in LMEs



## Towards a Swiss research agenda for the SDGs: Key principles: **without compromise on science**

- From descriptions to interventions on to systems
- From research projects to research programs
- From field sites to sustainable research centers
- From participation to real & negotiated partnerships
- From bilateral partnerships to broader networks

**As part of national and global research systems and  
priorities**

## Specific Outlooks

- Review the research agenda and portfolio with all partners – a+ event 2018/2019
- U Change - Student initiatives for sustainable development: encouraging and funding the new academic generation for SD-projects at all institutions of higher education in Switzerland
- Forthcoming SDSN Switzerland Launch conference
  - "Where Society, Science and Politics create solutions"
  - 15 February 2018, University of Bern
- Let us listen to the panel