

Education campaign for the construction sector

Continuing training

Vocational training and education

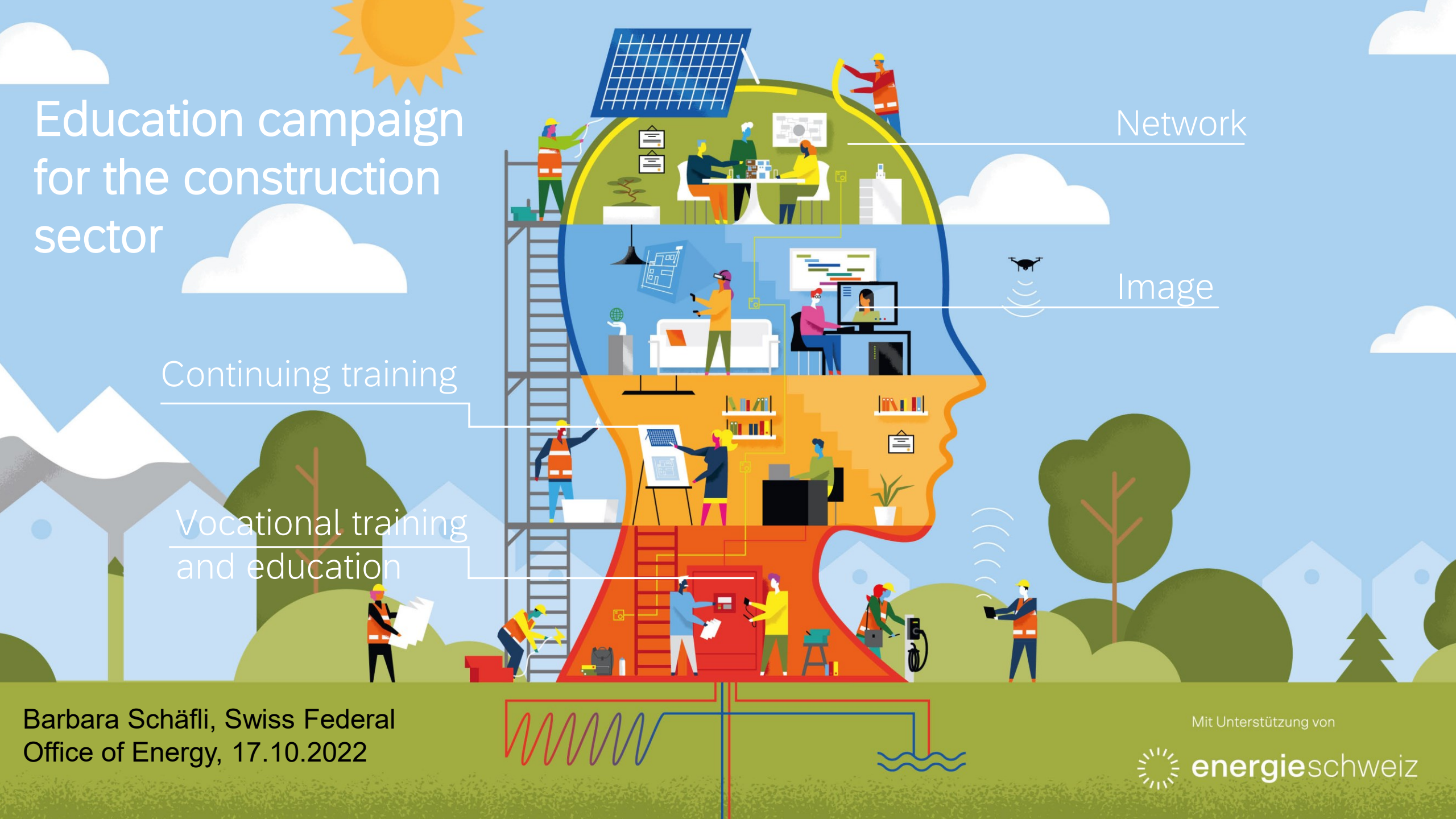
Network

Image

Barbara Schäfli, Swiss Federal Office of Energy, 17.10.2022

Mit Unterstützung von

 energieschweiz



Importance of the construction sector

Impact: Buildings are responsible for around 33% of CO2 emissions in Switzerland.

- **1 million houses in urgent need of renovation.** A renovated building envelope requires up to 60% less heating energy.
- **32,000 fossil heaters to be replaced annually** by renewable heating systems by 2050.
- **700 MW of photovoltaic capacity to be added each year.**

But: shortage of qualified personnel and lack of skills.

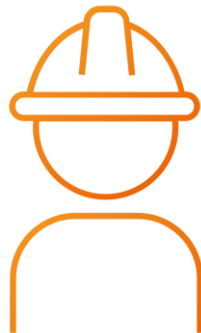
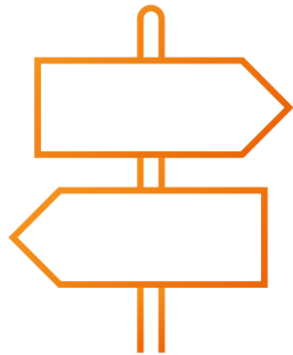


There is work - a sector with prospects!



Goals of the education campaign for the construction sector

- Ensure skilled workforce in the construction sector to reach the net zero target.
- Strengthen technological competences to ensure quality of work



Initiative of the Swiss Federal Office of Energy (SFOE) in **partnership** with the construction sector

- 2020 - 2021 : Elaboration of a Roadmap with a catalogue of 32 measures
- January 2022: Launch of the education campaign for the construction sector
- Ongoing:
 - Start of first projects (professional organizations, SFOE)
 - Continuing Round tables to foster development of new projects with relevant stakeholders in Switzerland (e.g. professional organizations from the sector, universities, vocational training centers, etc.)

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Nur
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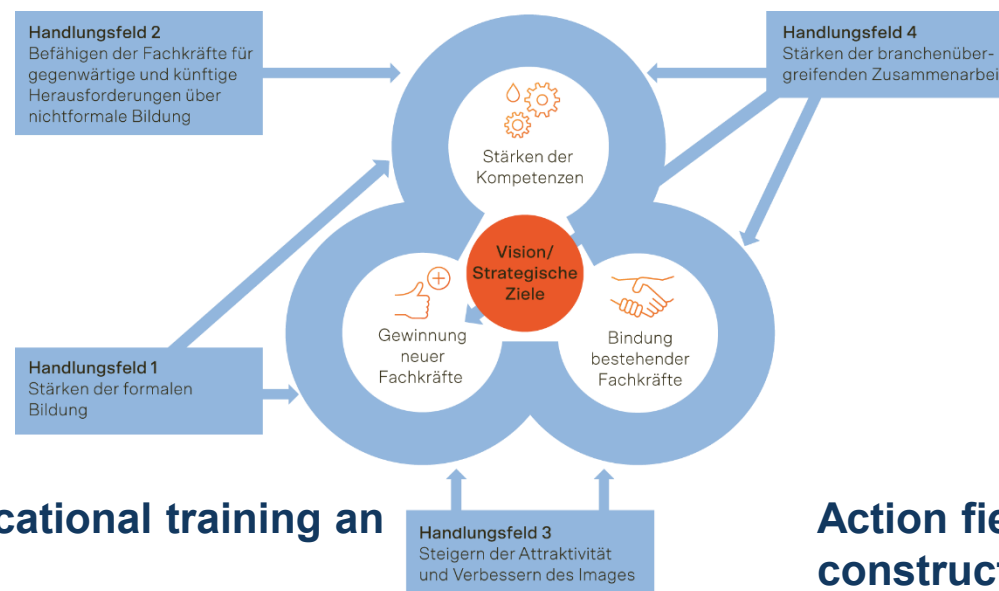
Fields of action and 11 focal points

Action field 2 - Continuing training (Non-Formal)

- 2A. Strengthening professional skills through continuing training
- 2B. Encouraging participation in continuing training
- 2C. Strengthening the skills of trainers

Action field 4: Network and cooperation

- 4A Strengthening cooperation within the sector



Action field 1 – Reinforce vocational training and education (Formal)

- 1A. Ensuring the professional competence in the vocational training and education
- 1B. Encouraging apprentices
- 1C. Promoting vocational retraining and lateral entry

Action field 3: Improve image of the construction sector

- 3A Improving working conditions
- 3B Enhancing the image of the construction sector
- 3C Promoting interest in careers in the field of construction
- 3D Promoting women

Role of the actors

Role of the actors of the construction sector

- formulate problems
- develop and implement solutions

Role of the Swiss Federal Office of Energy and other federal administrations:

- technical and financial support for the development of solutions and their implementation
- foster networking and cooperation, organizing round tables
- support for communication, assessments, feasibility studies, basic studies

From the construction sector for the construction sector!
Together we are building an energy and climate future!

Projects from the construction sector

- The Swiss Society of Engineers and Architects (SIA) is planning **continuous training on the topic of «climate-friendly construction»**.
- The University of Applied Sciences and Arts Western Switzerland is launching a project to **anchor sustainable development in all its schools and curricula**.
- Swissolar (Association for solarenergy) and Polybau (Association for professions in the building envelope sector) have taken first steps towards a **new apprenticeship** in the solar sector.
- Swissolar is mounting a **project for lateral entry in the solar sector**.
- EIT.swiss (Association for electrical professions) is **analysing all its Vocational education and trainings curricula** in the context of energy, climate, environment and resources.

Activities of the SFOE

- Basic study: **Facts and figures** on the shortage of skilled workers.
- **Support point** for stakeholders for project submissions.
- **Series of articles** on selected measures
- **Round tables** for ex. Round table for schools/universities of architecture
- National networking **event**

Education campaign for the construction sector

Together we are building an energy and climate future!

Associations of the construction sector

Bauenschweiz
DIE PLANER – SWKI
EIT.swiss
FWS
Gebäudehülle Schweiz
GebäudeKlima Schweiz
Holzbau Schweiz
KGTV

Plavenir
Polybau
SIA
SMGV
SVK
suissetec
Swissolar
usic
VSR

Universities/education partners:

ETH
HES-SO
HSLU
SUPSI
Verein Solarteurschulen

Federal and cantonal organisations:

BAFU
EnFK
SBFI
SEM

Be part of the education campaign for the construction sector



Mit Unterstützung von



energieschweiz

Further information on the «education campaign for the construction sector»

Information in German, French and Italian
www.energieschweiz.ch/bildung/

Barbara Schäfli, Swiss Federal Office of Energy,
Barbara.schaefli@bfe.admin.ch
energiebildung@bfe.admin.ch