

Kompetenzzentrum
Energy Management (ior/cf-HSG)



Universität St.Gallen

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GOVERNING ENERGY TRANSITIONS

Executive Training for Practitioners
Certificate of Advanced Studies CAS-HSG

March 2020 to February 2021
Western and Central Switzerland

GET

founded by
Prof. Dr. Matthias Finger

Universität St.Gallen | Kompetenzzentrum Energy Management (ior/cf-HSG)
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*“From insight
to impact”*

www.governing-energy-transitions.ch

Motivation

Switzerland is planning an ambitious energy transition with far-reaching consequences on the national, cantonal, and on the municipal level. As a result, leaders in the energy sector from administration, politics, and industry are faced with significant challenges of realizing political goals, redesigning the infrastructure, adapting business models to disruptive innovations, and strategically repositioning vis-à-vis new market entrants.

The program is tailor-made for C-Level executives in order to develop a thorough understanding of governing the social, technical, and economic dimensions of the energy transition, as well as the competencies required to apply this knowledge at the local level. The overall aim of the program is to facilitate a dialogue between a group of passionate industry experts, government officials and academics and to actively foster a GET-community.

Due to the retirement of its founder Prof. Dr. Matthias Finger/EPFL, the program will be continued in 2020 by the University of St.Gallen. Of course, the proven contents and the flipped-classroom-format with focus on Western and Central Switzerland will be maintained. Besides, we are very pleased Matthias will continue to be actively involved in the GET-Curriculum.

Dr. Christian Opitz
Academic Director

Prof. Dr. Matthias Finger
Founder

Participant Benefits

Get a complete overview of the uncertainties underlying the Swiss Energy Strategy, as well as tools to make better investment decisions under these uncertainties

Gain state-of-the-art knowledge of network convergence at the urban level, as well as of disruptive innovations driving this convergence

Develop a deeper understanding of future network and market regulation in an increasingly complex and competitive industry

Obtain a set of tools, theories and frameworks that help to strategically reposition your organization and facilitate the creation of innovative business models

Gain the insight required to select novel technologies and identify value-added strategic alliances with new entrants to boost your organization's performance



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Program Organization

Target Audience

The Executive Training targets managers in the following types of organizations, with the goal of connecting key stakeholders of the Swiss energy transition:

- **Utility companies** play a crucial role in facilitating the energy transition, for example at the urban level through the development of smart grids. Utilities are in a strong position to leverage their physical infrastructure and social networks. Swisspower Ltd., the association of the major Swiss utilities, is an active partner in this Executive Training program.
- **Public administrators, municipalities, urban and cantonal energy offices** are facing an increasingly polycentric system, as new market players, changing stakeholder roles and technological innovations are challenging existing governance structures and regulatory frameworks.
- **Producers and suppliers of utility companies** are directly impacted by policies, support schemes and regulations. Understanding changes to the energy system from a broader perspective enables managers to align their strategies and business models accordingly.

Curriculum Highlights

Specific attention is paid to the Swiss Energy Strategy 2050, possible transition pathways and relevant uncertainties	State-of-the art in the development of urban technologies and practices	
	New business models associated with the convergence of smart infrastructures at the urban level	Implications of future network regulation, sector regulation and market design options are explored
Long-term developments of gas and electricity infrastructures in Switzerland		Strategic implications of network convergence in electricity, gas, heat, transport and the ICTs

Program Overview

Content and Dates

<p>Module A: 12/13 March 2020 SIG/Geneva</p> <p>SPECIFICITIES OF THE SWISS ENERGY TRANSITION</p> <ul style="list-style-type: none">– Different pathways for the energy transition– Best-practices-initiatives for a successful Energy Strategy 2050	<p>Module B: 02/03 April 2020 University of St.Gallen/St.Gallen</p> <p>SOCIAL ACCEPTANCE OF RENEWABLES</p> <ul style="list-style-type: none">– Multi-sectoral approaches and innovative solutions for renewable energies and social acceptance– System change, not climate change?
<p>Module C: 14/15 May 2020 Eniwa/Buchs Empa/Dübendorf</p> <p>URBAN ENERGY TRANSITION MANAGEMENT</p> <ul style="list-style-type: none">– Smart city and district energy solutions– Next evolution in sustainable building technologies and mobility	<p>Module D: 25/26 June 2020 ewb/Bern</p> <p>MULTI-LEVEL GOVERNANCE AND TRANSITION INTERACTIONS</p> <ul style="list-style-type: none">– Governance on the national, cantonal, and on the municipal level– Transition approaches in different sectors
<p>Module E: 03/04 September 2020 SFOE/Ittigen</p> <p>FUTURE MARKET DESIGN AND NETWORK REGULATION</p> <ul style="list-style-type: none">– Network regulation on the EU and national level– Flexibility market and future market design	<p>Module F: 07–10 February 2021 E.ON Engie E-World Essen/Germany</p> <p>BUSINESS MODELS FOR THE ENERGY FUTURE</p> <ul style="list-style-type: none">– Innovative business models for the energy transition– Latest trends in the European energy market

Faculty

The Executive Training focuses on a well-founded, fact-based transfer of knowledge through academia (e.g. University of St.Gallen, EPFL, CREM, University of Geneva, Empa, etc.) and proven industry insiders (e.g. SFOE, ElCom, SIG, ewb, etc.). The lecturers thus represent science and practice in equal measure and contribute proven expertise in their respective disciplines.

Please refer to our website www.governing-energy-transitions.ch for the complete lecturer overview and additional details.

Testimonials



«Participating in this course was of great value to me. It gave me updated information on the newest matter on the energy transition as well as the possibility to interact with motivated participants and top lecturers coming from all kind of horizons. A very good opportunity to step back and think strategically, I highly recommend it.»

Laurent Balsiger | CEO | Société électrique des forces de l'Aubonne SEFA



«Latest news, practical information combined with the right portion of theory. GET allows you to challenge the speakers and participants with your ideas triggering passionate discussions about the Swiss energy transition.»

Dr. Jakob Rager | Director | CREM Centre de recherches énergétiques et municipals



«We need to be working today towards ensuring tomorrow's renewable energy supply.»

Ronny Kaufmann | CEO | Swisspower Ltd.



«The energy transition can only succeed as a collective effort of all stakeholders involved. Our Executive Training facilitates this process.»

Prof. Dr. Matthias Finger | Full Professor | Ecole Polytechnique Fédérale Lausanne

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General Information

Enrolment Requirements

The Executive Training is designed for practitioners with a degree at tertiary level (technical, commercial or legal). However, interested persons with professional qualifications and corresponding working experience may also be admitted; the decision is made by the program management.

Impact Project

The direct transfer into practice will significantly enhance the learning success of the participants. Guided by an integrated frame of reference and supported by individual, professional coaching, the participants will develop a solution for a current challenge of their professional daily life.

Diploma

Upon successful completion of the Executive Training, participants receive a CAS (Certificate of Advanced Studies) from the University of St.Gallen, which is graded with 10 ECTS points. The ECTS (European Credit Transfer System) is recognized at European Universities and Universities of Applied Sciences and can be credited for further studies such as a Master's degree (MAS, EMBA).

Start and Length of Time

The Executive Training is offered on an annual basis. The next cohort will start in March 2020 and last until February 2021. In case of time difficulties, it is possible to divide the program into two cohorts.

Locations

Each module is hosted by a utility company or a government office with focus on Western and Central Switzerland.

Language

English

Program Fee

The costs per participant amount to CHF 9'800 (Swisspower and AEE Suisse members: CHF 7'500) for the entire course.

Registration

Registration can be made online via www.governing-energy-transitions.ch or by email (energymanagement@unisg.ch) using the registration form on the last page. In addition, we require a Curriculum Vitae with a description of the current professional activity as well as a short motivation letter.



Executive Training CAS-HSG GOVERNING ENERGY TRANSITIONS

First Name	Last Name
Company or Organisation	
Position	
Address	
E-Mail	Phone
Birthdate	
Degree	

With this registration the undersigned acknowledges the conditions of participation according to this program as well as the general terms and conditions for seminars and conferences of the Competence Center Energy Management (ior/cf-HSG) of the University of St.Gallen, which can be downloaded from our homepage. Photographs will be taken as part of the course. By registering, you give your consent to the publication of the photos in which you may be recognizable. The data received in connection with your registration will be used exclusively to provide you with more detailed information about this course and other events organized by our institute, in compliance with the applicable legal provisions. Your data will not be passed on to third parties. You can, of course, object to the sending of event invitations at any time by sending an e-mail to energymanagement@unisg.ch. If you have any questions or need assistance, please do not hesitate to contact us.

Place/Date	Signature
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Registration

Sami Ben Messaoud | energymanagement@unisg.ch | Telefax +41 (0)71 224 2102

Please attach

- Curriculum Vitae with description of the current professional activity
- Motivation letter