

Kompetenzzentrum
Energy Management (ior/cf-HSG)



Universität St.Gallen

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GOVERNING ENERGY TRANSITIONS

Certificate of Advanced Studies CAS-HSG

September 2020 to June 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

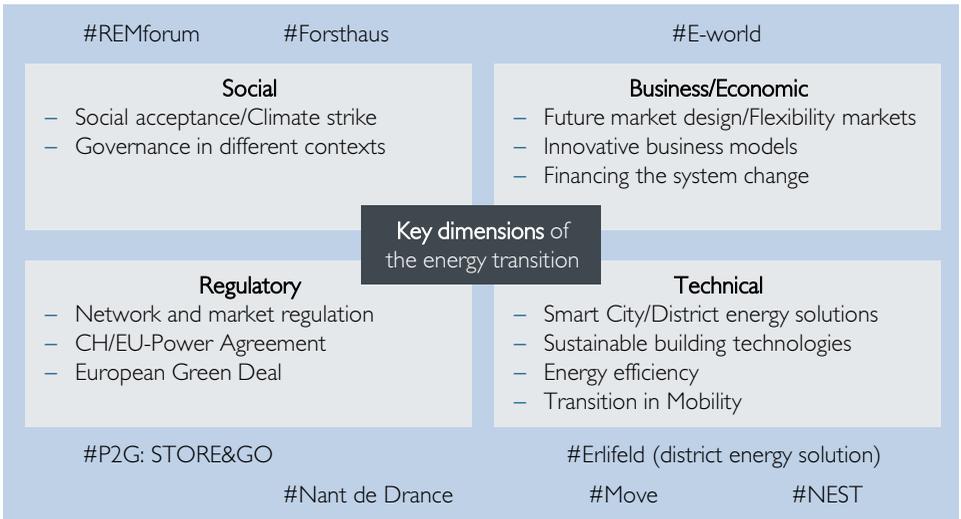
Motivation

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 public 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 interested executives in order to develop a thorough understanding of governing the social, technical, business/economic, and regulatory 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 chosen 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.

Seminar Topics



Target Audience

The overall aim of the program is to facilitate an interdisciplinary dialogue between all kind of stakeholders of the Swiss energy transition:

- **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.
- **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.
- **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

Modules

<p>Module A: 03/04 September 2020 SFOE, Ittigen</p> <p>EU, NETWORK REGULATION AND FUTURE MARKET DESIGN</p> <ul style="list-style-type: none">– European Green Deal, CH/EU-Power Agreement– Network and market regulation– Promoting flexibility markets– Future market design	<p>Module C: 12/13 November 2020 ewb, Bern</p> <p>MULTI-LEVEL GOVERNANCE AND MANAGING THE CHANGE</p> <ul style="list-style-type: none">– Governance in different contexts– Governing the climate change– Financing the system change
<p>Module C: 11/12 January 2021 SIG, Geneva</p> <p>SPECIFICITIES OF THE SWISS ENERGY TRANSITION</p> <ul style="list-style-type: none">– Changing the energy system– Transition pathways– Towards a more efficient system	<p>Module D: 07–10 February 2021 Engie E.ON E-world, Essen/Germany</p> <p>BUSINESS MODELS FOR THE ENERGY FUTURE</p> <ul style="list-style-type: none">– Innovative business models– Trends/innovative start-ups in the European energy market
<p>Module E: 30/31 March 2021 Eniwa, Aarau Empa, Dübendorf</p> <p>URBAN ENERGY TRANSITION MANAGEMENT</p> <ul style="list-style-type: none">– Smart City and district energy solutions– Sustainable building technologies– Transition in mobility	<p>Module F: 10/11 June 2021 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– Decarbonizing the energy system

Your personal contacts:



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Core Faculty

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 Prof. Dr. Karl Frauendorfer | Professor for Operations Research | University of St.Gallen
 M.A. HSG Tiffany Germann | Research Associate | University of St.Gallen
 Prof. em. Dr. Matthias Finger | Professor of Management of Network Industries | École Polytechnique Fédérale de Lausanne EPFL

Guest Contributions

We are pleased to welcome numerous representatives from science, politics, administration, business, and industry associations presenting different key aspects of the energy transition. All input statements are critically reflected and discussed with the participants. Further information regarding guest lecturers upon request.

#Engie #iimt #Eniwa #WWF #UniBE
 #EnDK #SFOE #Swissgrid #Eawag #tiko
 #ZETRA #Swisspower #Eicom #Empa #SBB
 #ETHZ #Siemens #ewb #UniGE #Axp0 #Idiap
 #E.ON #BKW #EPFL #EPEX

Participant Benefits

<p>Get a complete overview of the uncertainties underlying the Swiss Energy Strategy, as well as tools to make better investment decisions under these uncertainties</p>	<p>Gain state-of-the-art knowledge of network convergence at the urban level, as well as of disruptive innovations driving this convergence</p>	<p>Develop a deeper understanding of future network and market regulation in an increasingly complex and competitive industry</p>
<p>Obtain a set of tools, theories and frameworks that help to strategically reposition your organization and facilitate the creation of innovative business models</p>	<p>Gain the insight required to select novel technologies and identify value-added strategic alliances with new entrants to boost your organization's performance</p>	

“From insight to impact” 

General Information

Enrolment Requirements

The program 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 fourth cohort will start in September 2020 and last until June 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.

We will gladly help you to find accommodation near the locations. Please contact us with sufficient advance notice.

Language

English

Registration

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

Pricing

Standard (entire course)	CHF 7'000
Reduced (Swisspower, AEE Suisse, public administration)	CHF 6'500
Participation in a separate module	CHF 1'500

The program fee covers all services, including access to course documents, refreshments and optional social events – but excluding any accommodation and travel costs.



Executive Training CAS-HSG

GOVERNING ENERGY TRANSITIONS

First Name	Last Name
Company or Organisation	
Role	
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.

Contact Person:



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Ort/Datum	Unterschrift
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Registration

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Please attach

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