

newsletter #02'2016



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White Paper #2: Netznutzungstarife im Zielkonflikt: Anreize für den Ausbau erneuerbarer Energien versus Verursachergerechtigkeit

We are pleased to announce the publication of our second White Paper! Generally, White Papers summarize research results of SCCER CREST and make them available to the stakeholders. The current White Paper covers grid usage tariffs and the trade-off between incentives for the extension of renewables and the user-pays principle.

You can download it on the following link: <http://www.sccer-crest.ch/publications/white-papers/>.

SCCER CREST Annual Conference 2016 (01.09.2016)

The conference, hosted by ZHAW, offered a platform for the exchange

of recent research results of CREST researchers with each other, with researchers from other SCCERs and other institutions, as well as with implementation partners. We were pleased to welcome around 170 participants in total with over 90 CREST members, around 25 partners from industry and the public authority, a dozen researchers from other SCCERs, and over 30 energy researchers from other institutions outside the SCCER.

The topic of the conference was "Innovations for the Energy Transition – which innovations and changes are needed for the successful implementation of the Energy Strategy 2050?". Bettina Furrer showed in her opening speech how CREST has already contributed to innovations for the energy transition and Frank Krysiak gave an outlook on how CREST will contribute to the energy

transition in the future. The close cooperation between research and practice partners plays an important role, as shown by Jonas Mühlethaler, R&D Manager at Swissgrid AG and Mario Paolone, Head SCCER Furies at EPFL, who presented their collaboration with CREST at the event. Rolf Wüstenhagen discussed in his keynote speech the question, who would be the most important innovators – the incumbent companies or the dynamic startups? His answer: both of them.

Scientists of CREST presented innovations and changes in specific fields in five parallel sessions on the topics of grid tariff systems / new business models, change of energy consumption behavior, current and future electricity markets, acceptance of the energy transition and energy-entrepreneurship. Co-presentations and panel discussions

Agenda 2016/2017- Upcoming Events - Save the date

Stromtagung 2016 «Integrierte Versorgung: das Rückgrat der Energiewende»

November 25, 2016 – SIX Convention Point Zürich

For more information, click here.

Energy Startup Day

December 1, 2016 - Technopark Zurich

For more information, visit:
<http://www.energy-startup-day.ch/>

SCCER-FURIES 3rd Annual Conference

December 2, 2016 - SwissTech Convention Center Lausanne

For more information, visit: <http://sccer-furies.epfl.ch/lang/en/Home/Outreach/Events>

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with practice partners and scientists from other SCCERs complemented the sessions.

The final panel discussion on „How much innovation and change do we need to master the energy transition? How much innovation and change does the energy transition bear?“ reunited the participants for the last part of the event. The discussed aspects were as diverse as the panel guests: Bettina Furrer, ZHAW; Henning Fuhrmann, Siemens Building Technologies; Christoffel de Winter, Mobilair and Christina Würthner, Enersis. There were no real controversies between the panel guests, but a common conclusion that innovations and step-by-step-changes with the courage for experimentation would be needed on all levels of the energy system. (C. Kobe, ZHAW)



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Conference „Sozialwissenschaften und Praxis im Dialog: Energieeffiziente Haushalte“ (02.09.2016)

The conference „Sozialwissenschaften und Praxis im Dialog“(social scientist and practitioners in dialog) is jointly organized by SCCER CREST, Energieforschung Stadt Zürich, NFP 71 and BFE. The first conference

event on the topic “energy-efficient households” was hosted on September 2, 2016 by ZHAW.



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The dialog between social science and practice from September 2, 2016 was not only visible in the program but also in the participant list: less than 50% of over 150 participants were researchers while the majority came from practice including representatives from the cantons, cities, communities, federal offices, consultancies, planning offices and utilities. The event provided many answers to the core question “what has to be done in order to improve the energy efficiency of private households?” such as: new tariff models, alternative business models for the power supply, better understanding of individual decision making processes, campaigns, nudges, dialogs and political measures like tax incentives and regulations.

At the final podium discussion, representatives of science (Frank Krysiak, University of Basel; Heinz Gutschler; Petra Schweizer-Ries, Bochum University of Applied Sciences) and practice (Bruno Bébié, City of Zurich; Raphael Zürcher, Energie Schweiz) brought together which instruments should be used and when. The podium guests concluded that a much higher power price would

have a stronger influence on the energy consumption behavior of private households than any other measure.

(C. Kobe, ZHAW)

Energieradar

We would like to draw your attention to the „Energieradar“ (University of St. Gallen & SCCER CREST.)

It explains current development in energy law and is hosted in cooperation between the University of St. Gallen and the St. Gallen municipal utilities. Please note that it is in German and that registration is required. You can visit the *Energieradar* here: <http://www.energiesradar.ch/>



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International Policy Session on “The Electricity Market in 2025: European Perspectives”

On June 26, 2016, the Energy Policy Analysis Group (EPAG) of the ZHAW as a member of SCCER CREST, hosted a policy session on “The Electricity Market in 2025”. The policy session was part of the official programme of the 22nd Annual Confe-



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rence of the European Association of Environmental and Resource Economists (EAERE), organized by ETH Zurich. The policy session brought together experts from various backgrounds ranging from politics, industry, regulatory bodies, as well as academia. Six panellists looked into their crystal balls to provide the audience with their view on the economic, technical, regulatory and political challenges of the Swiss and European electricity markets in the next decade. The policy session was kicked off with short presentations that outlined the different perspectives of Swiss, European and international stakeholders on the electricity market in 2025.

(R. Betz, ZHAW)

RE-Invest 2016

The 7th St. Gallen Forum for Management of Renewable Energies (26/27 May, 2016) connected 170 professionals from the energy sector, related industries and academia. At the pre-conference dinner, James Davis from the University of St. Gallen's Center for Energy Innovation, Governance and Investment (EGI-HSG), hosted an inspiring Dinner Talk by visiting professor Elke Weber (Columbia University) on the psychology of energy decision making. The main programme

on 27 May included a lively panel discussion on the energy investment landscape after the 2015 Paris Climate Conference.



Figure: Live voting during Prof. Rolf Wüstenhagen's opening speech at 7th St. Gallen Forum for Management of Renewable Energies
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Moreover, several presentations were dedicated to current trends in energy markets and research such as digitalization and local renewable energy projects. The presentation of the 6th Consumer Barometer of Renewable Energy by Anna Ebers (University of St. Gallen, in cooperation with Raiffeisen) involved new insights into Swiss consumers' energy preferences, with some of the main findings being that 74% of respondents think that battery storage could revolutionize the energy system, and 25% of respondents can imagine buying an electric car in the next two years. In the afternoon, a number of interactive workshops were

dedicated to current issues such as strategic innovation in the energy industry, the implications of solar PV self-consumption for grid tariff systems, new investment vehicles for financing renewable energy infrastructures, and marketing strategies for solar photovoltaics (facilitated by Stefanie Hille and Hans Curtius). Elements such as extensive networking sessions, live votings during plenary sessions and a surprise act by the LED performers "The Blackouts" (known as one of the ten finalists of the national TV show "Die grössten Schweizer Talente") made this year's St.Gallen Forum once again an inspiring event. For live tweets from the conference see #REMForum.

(R. Wüstenhagen, University of St. Gallen)

Change of Personnel in the Management Office

We gladly inform you that Michelle Killenberger has started working for us in August. She is the administrator of SCCER CREST and will take care of all administrative matters. We are very happy to have Mrs. Killenberger in our team and look forward to a good collaboration.



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Questions / News / Suggestions

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