



European
University
Institute

ROBERT
SCHUMAN
CENTRE FOR
ADVANCED
STUDIES

FSR ENERGY &
CLIMATE
Florence School of Regulation



ANNUAL REPORT 2018

ABOUT

Founded in 2004 as a 'Centre of Excellence' for the independent discussion and dissemination of knowledge in European regulation and policy.

MISSION

The Florence School of Regulation (FSR) Energy & Climate brings together the world of academia and practice. We carry out applied research, policy dialogue and training courses, with the purpose of developing economically and socially sound energy regulation and policy for Europe and worldwide.

FSR FORUM



Regulators



Policy Makers

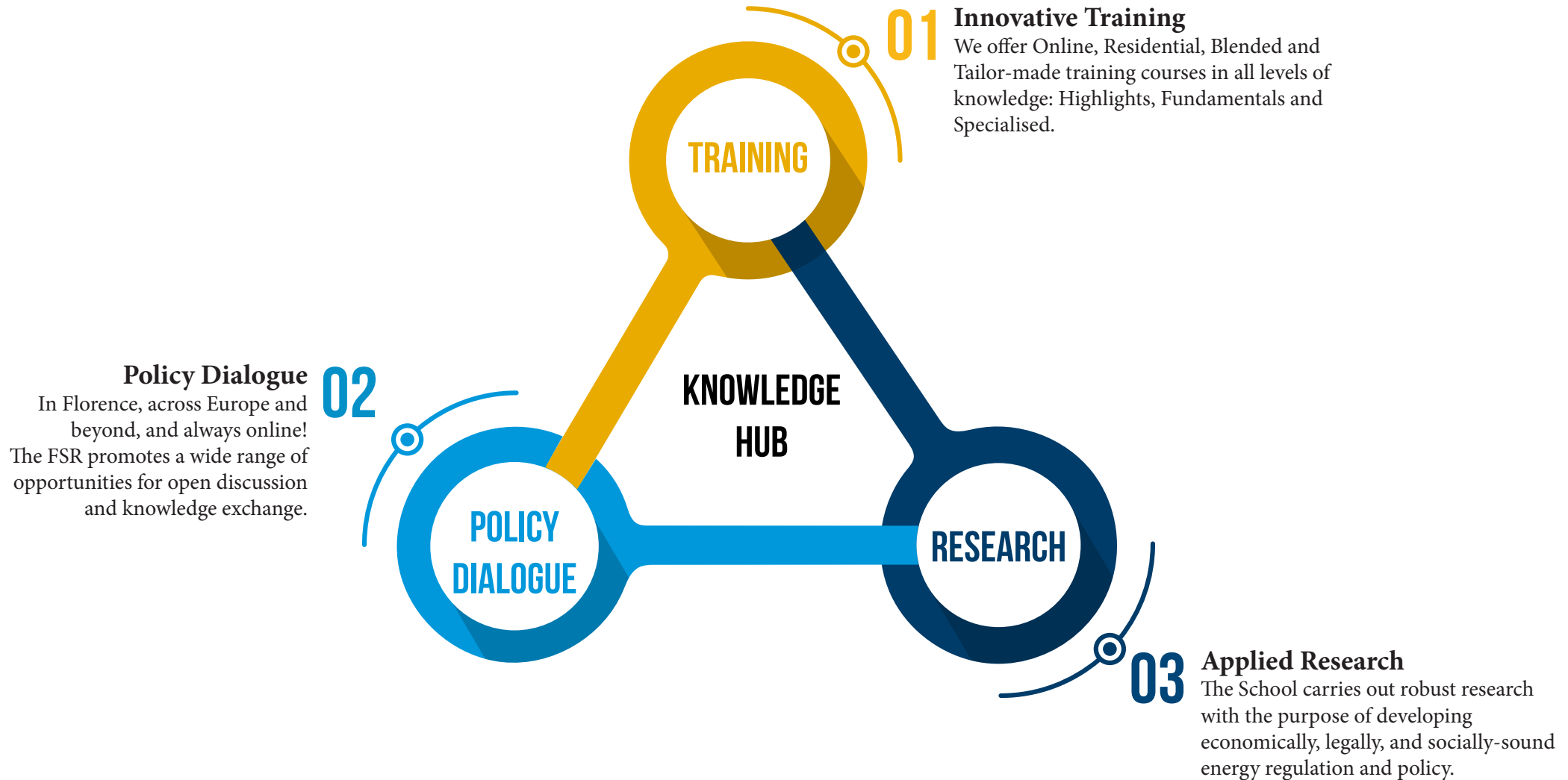


Academia

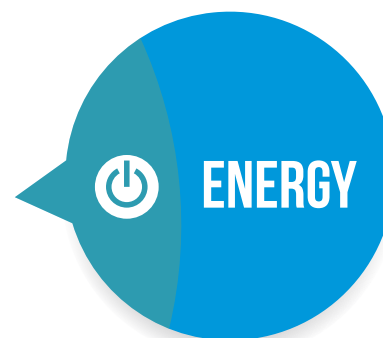
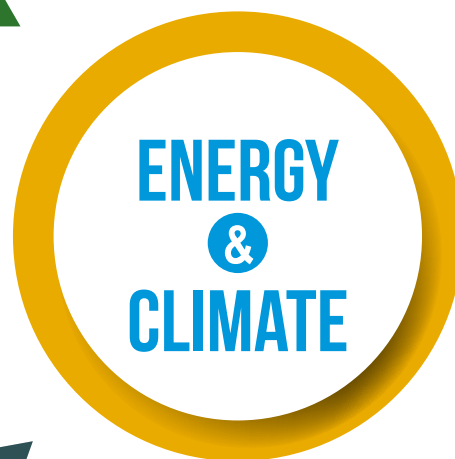


Industry

FSR ENERGY MODEL



FSR ENERGY AREAS



ELECTRICITY



GAS



UNIVERSAL ACCESS TO ENERGY



ENERGY INNOVATION



HIGHLIGHTS OF 2018

JAN	FSR Regulatory Policy Workshop Series Market Abuse and Abuse of Market Power	FEB	Online Debate Active Customer – Vulnerable Customer (FSR & ENTSO-E)	MAR	Book Launch State Aid in the Energy Sector		New Online Course Regulation for Universal Access to Energy
New online course EU Gas Network Codes		Regulatory Training at World Forum on Energy Regulation in Mexico	APR	New Residential training course on the EU ETS (FSR Climate)	MAY	New Online Course EU Clean Energy Package	EUI State of the Union Solidarity in Europe
	JUN	New online course EU Emissions Trading System		JUL	Gas Policy Workshop The Value of Energy Storage in Supporting EU's Security of Supply	AUG	Jean-Michel Glachant is elected Vice-President of the Economics of Energy & Environmental Policy journal (EEEP)
SEP	Launch of the FSR Energy Innovation Area	OCT	10th FSR – BNetzA Forum on the Legal Issues of Energy Regulation	NOV	3rd Athens Conference European Energy Law	DEC	New Residential Training Lobbying in the EU

HIGHLIGHTS OF 2018



FSR is now a Global Knowledge Hub! We are actively engaged with training, research and policy dialogue in Africa, Asia, Latin America and the Middle East to investigate the worldwide implications of the ongoing **energy transition**.

FSR Energy signs Memorandums of Understanding with the **International Renewable Energy Agency (IRENA)**, **Power for All**, **ENEL Foundation** (in the framework of the 'Open Africa Programme'), **United Nation Economic Commission for Africa** and the Indian DSO **Tata Power DDL**.

FSR Gas Area goes global as in 2018 it strengthened connections with the **Japanese Ministry of Economy, Trade and Industry (METI)** and the European Commission, co-organising a series of three exclusive workshops on best practices in LNG's markets.

FSR launches the **new Energy Innovation Area**, providing a platform where stakeholders can discuss the future policy goals in the electricity industry.

Seven prestigious part-time professors are joining the School: Andris Piebalgs (former EU Commissioner), Christopher Jones (former Deputy Director General at DG Energy), Alberto Pototschnig (current interim Director at ACER), Jorge Vasconcelos (former Chairman at CEER), Elena Fumagalli (Associate Professor at University of Utrecht) and two French scholars: Fabien Roques (PhD from Cambridge University) and Thomas-Olivier Léautier (PhD from MIT).

Six brand new online courses in 2018!

FSR publishes four books: 'Design the Electricity Market(s) of the Future', 'Electricity Network Regulation in the EU: the Challenges Ahead for Transmission and Distribution', 'State Aid in the Energy Sector' and 'Higher Education in the Digital Age: Moving Academia Online'.

FSR takes part in the Scientific Committee of the high-level 'State of the Union' at the European University Institute. The 2018 edition was fully dedicated to 'Solidarity in Europe'.

FSR inaugurates a **new communication and outreach strategy**: not 'simple dissemination', as the team is committed to innovative content creation and knowledge sharing.

#LightsonWomen is the new FSR initiative to shine a light on women working in the energy field.

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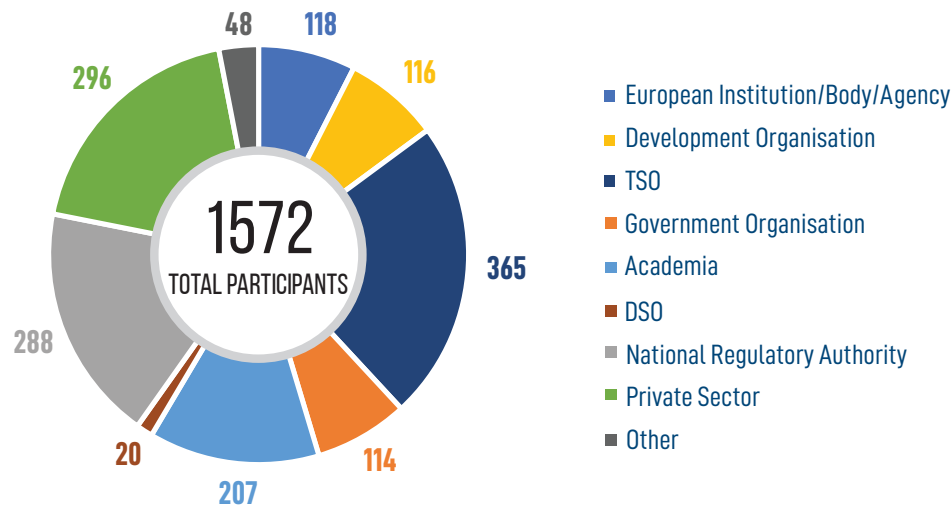
TRAINING

FSR TRAINING

Our courses are designed and continuously updated to meet the educational needs of energy professionals at all levels. The courses are developed with the support of an outstanding international training faculty, which includes professors from top universities as well as high-level experts in energy regulation, policy-making, and industry.

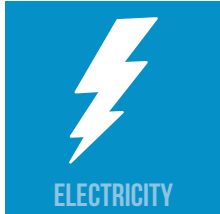
We offer different types of training courses: Online, Residential, Blended (online + residential) and Tailor-made courses at all levels of knowledge. There are three levels:

- **Level 1 – Highlights:** it gives participants an introduction to the topic with the newest updates from the field.
- **Level 2 – Fundamentals:** it gives a comprehensive overview of the topic. Participants will dive into the significant elements of the field, thoroughly studying the concepts and refining their accrued knowledge together with peers and instructors.
- **Level 3 – Specialised Training:** it takes an in-depth look at a specific topic of the field. These are advanced courses that require a solid background and provide you with a deeper understanding of the subject. Participants are encouraged to take an active role in the course activities as well as apply the specialised information to practical cases.



International Faculty
Our school is supported by a global faculty of renowned academics and practitioners.

RESIDENTIAL & ONLINE TRAINING



[The Regulation of the Power Sector](#)

02.10.2017 - 12 .02.18 | Online

08.10.18 - 08.02.19 | Online

This 4-month course gave an overview of the fundamental concepts of power sector regulation from an engineering, economic and regulatory perspective. The course represented a unique opportunity to work together with peers from across the world, learning from video lectures, reading material, live classes and collaborative activities with the flexibility to study independently.

[New online course for consumer organisations, energy communities and NGOs](#)

12 - 26.04.18 | Online

To ensure that the new deal for energy customers and citizens materialises, the engagement of consumer organisations, energy communities, and NGOs on the topics of network tariffs and network codes is essential. This training aimed to facilitate that engagement. As the rulebook is vast and highly technical, the training took the perspective of consumers, prosumers, and communities, and focused on what matters to them.

Organised by FSR in cooperation with ENTSO-E, BEUC and RES-COOP

[Future Power Grid Managers Programme](#)

23-24.05.18 | Brussels

The programme, a joint initiative of the Vlerick Business School and the Florence School of Regulation, aimed to tackle the management challenges and opportunities specific to the Transmission System Operators (TSOs) and Distribution System Operators (DSOs) in the power and gas industries in Europe.

Organised by Vlerick Business School in cooperation with FSR



Network Codes Alumni,
Brussels | December 2017

RESIDENTIAL & ONLINE TRAINING



Regulation and Integration of Renewable Energy

23 - 25.05.18 | Florence

This training provided a comprehensive overview of the role and potential of renewable energy, considering that its worldwide growth is changing all paradigms of policy, regulation and market design. Hence, every energy industry professional is now directly or indirectly involved in the regulation and integration of renewable energy.

Executive Course to master Electricity Markets

20 - 21.09.18 | Florence

This 2-day executive course discussed the micro-economics of wholesale power markets and their implications for energy policies. The course is built on key economic principles and an interactive approach is used to discuss current policy debates on the Clean Energy Package, the introduction of capacity mechanisms, of scarcity pricing, as well as the reform of renewables support mechanisms and of the European Emission Trading Scheme.

EU Electricity Network Codes

25.09 - 29.11.18 | Online

This 9-week online course provided a comprehensive understanding of the EU Electricity Network Codes and the challenges of their implementation. The course offered a platform for the community of experts to share experiences with the implementation of the codes, while providing an opportunity for non-experts to get up to speed with the new rules, which affect all stakeholders. This course was composed of readings and videos, as well as collaborative online activities that enabled participants to interact with each other and the FSR instructors.

Organised by FSR in cooperation with ENTSO-E, the European Commission and ACER



Executive Course to master Electricity Markets,
Florence | September 2018

RESIDENTIAL & ONLINE TRAINING



Annual Training on the Regulation of Energy Utilities

02.10.17 - 15.06.18 | Blended: Online & Florence

01.10.18 - 07.06.19 | Blended: Online & Florence

This comprehensive 9-month training covered the fundamental energy regulatory principles needed for professional practice. This flagship blended training programme is divided into three major blocks consisting of two residential training weeks in Florence and seven months of online learning.

Introduction to Fundamentals of Energy Regulation

12 - 16.03.18 | Brussels

This course comprehensively explained both the theory and practice of the key aspects of the EU electricity and gas regulation, across the energy cost chain from wholesale markets through to networks and retail issues. Attendees were provided with a clear understanding of the economic and legal frameworks of the European energy regulation, including an explanation of the main institutions.

Joint Training: FSR and the Council of European Energy Regulators (CEER)

EU Clean Energy Package

08.05 - 14.06.18 | Online

This 5-week online course focused on two of the legal texts included in the EU Clean Energy package, i.e. the Electricity Directive and the Electricity Regulation; covering some of their key aspects, such as capacity mechanisms, bidding zones, harmonization of network tariffs, DSO role in EV charging and storage, DSO congestion management, TSO-DSO coordination and cooperation, EU DSO entity, self-consumption, smart meters, dynamic pricing, independent aggregator and local energy communities.

Organised by FSR in cooperation with the European Commission, InnoEnergy and Vlerick Business School



The World Forum on Energy Regulation,
Mexico | March 2018

RESIDENTIAL & ONLINE TRAINING



Summer School on Regulation of Energy Utilities

25 - 29.06.18 | Florence

This course provided a comprehensive and up-to-date overview of the key regulatory principles, actions and implications of current regulatory framework, highlighting the central challenges for the alignment of the industry with the policy goals of sustainability and security of supply. The Summer School balanced theory with practice, as illustrated by the experts involved in the programme, including former and current energy regulators, renowned academics and professionals from leading energy companies.

Training course on European Lobbying

14. 12. 18 | Florence

This interactive 1-day training, based on practical information and case studies, provided a fundamental and complete understanding about EU lobbying. The course explored the various principles, process and tools for developing effective strategies to influence the European decision-making processes and its ecosystem.



Summer School on Regulation of Energy Utilities,
Florence | June 2018

RESIDENTIAL & ONLINE TRAINING



Unpacking the Legal content of the Clean Energy Package

14.05 - 15.06.18 | Blended Online & Florence

This 2-month training offered a unique opportunity to develop detailed insights into the legal issues and challenges raised by the Clean Energy Package. In preparation for the intensive 3-day residential programme, FSR organised a series of dedicated online live classes in the 4-week period leading up to the course.



Unpacking the Legal content of the Clean Energy Package,
Florence | June 2018

RESIDENTIAL & ONLINE TRAINING



Introduction to the Regulation of Gas Markets

08.11.17 - 07.03.18 | Online

07.11.18 - 15.03.19 | Online

This 5-month course provided basic knowledge of how gas markets regulation works, starting from technical and economic fundamentals, and including key policies implications and debates. Every lesson included a video lecture, interactive online quizzes and exercises, collaborative activities, as well as a weekly live class with the instructors.

EU Gas Network Codes

07.03 - 27.04.18 | Online

The new 7-week online course was designed jointly by FSR and ENTSOG to provide participants with comprehensive knowledge about the EU Gas Network Codes (NC). This training comprised of a general introduction and five modular lessons on the adopted NCs and guidelines. Every lesson included an introductory video lecture, online assignments and quizzes, forum discussions and weekly live classes with the instructors.

Organised by FSR and ENTSOG

Specialised Training on the Regulation of Gas Markets

19 - 23.03.18 | Florence

This training focused on the basic principles and concepts of gas regulation (transmission tariffs, TPA and pipeline competition, incentives for new infrastructure, and price caps), as well as the most relevant and topical issues at the European and global level. The course provided a comprehensive assessment of the current state of the gas market and an overview of the diverse applications of gas regulation in different geographical contexts. Participants had the opportunity to improve and exercise their regulatory knowledge, while developing their problem-solving skills by working in small groups.



Specialised Training on the Regulation of Gas Markets,
Florence | March 2018

RESIDENTIAL & ONLINE TRAINING



Regulation for Universal Access to Energy

05.03 - 16.07.18 | Online

This 5-month course analysed the multi-dimensional approach to energy access, emphasising the role of regulation. The course brought together experts from around the world to help participants develop the necessary skill sets needed to address the issues of energy access.

Regulation for Universal Access to Energy

4 - 5 10.18 | Madagascar

This training session represented the second block of a tailor-made blended learning programme specifically designed by the Florence School of Regulation to meet the learning objectives of participants from Comoros and Madagascar.

Organised by FSR in cooperation with the Indian Ocean Commission



Enel Foundation - Open Africa Power - Mini Alumni Meeting,
Florence | June 2018

RESIDENTIAL & ONLINE TRAINING



Residential Training course on the EU ETS

7 - 08.03.18 | Florence

This training provided European policy makers with a comprehensive analysis of the functioning and regulation of the EU ETS and of its interaction with other European policies.

EU Emissions Trading System

11.06 - 13.07.18 | Online

This 5-week online course provided policy makers with a comprehensive analysis of the functioning of the European carbon market and of its performance. It included video lectures, readings and interactive online activities. Each week a live class took place to discuss issues related to the module and enabled interaction between the participants and the instructors. The course was completely free of charge, co-funded by the European Commission's LIFE SIDE project.

Organised by FSR in the framework of LIFE SIDE project



Life Side training course on the EU emissions trading system,
Florence | March 2018

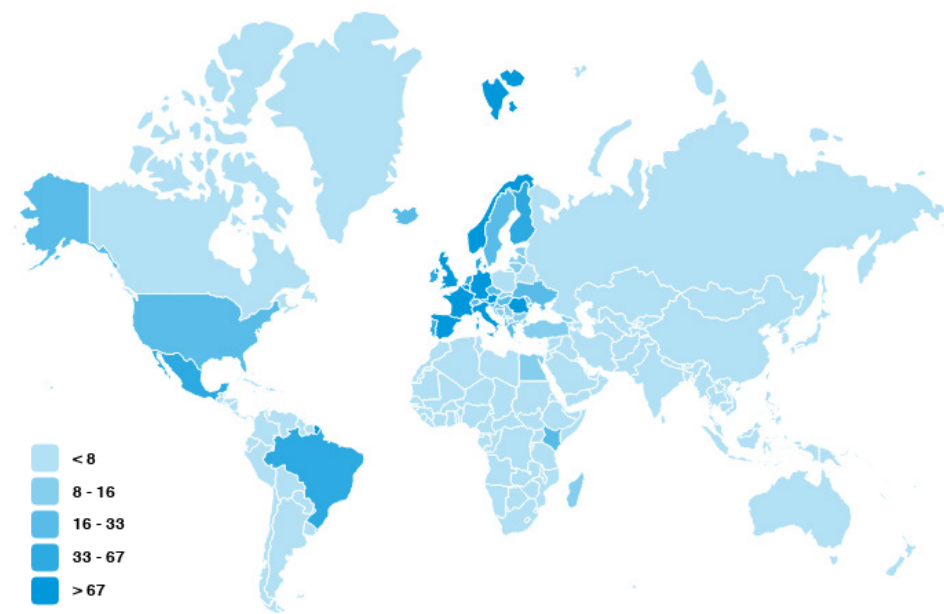
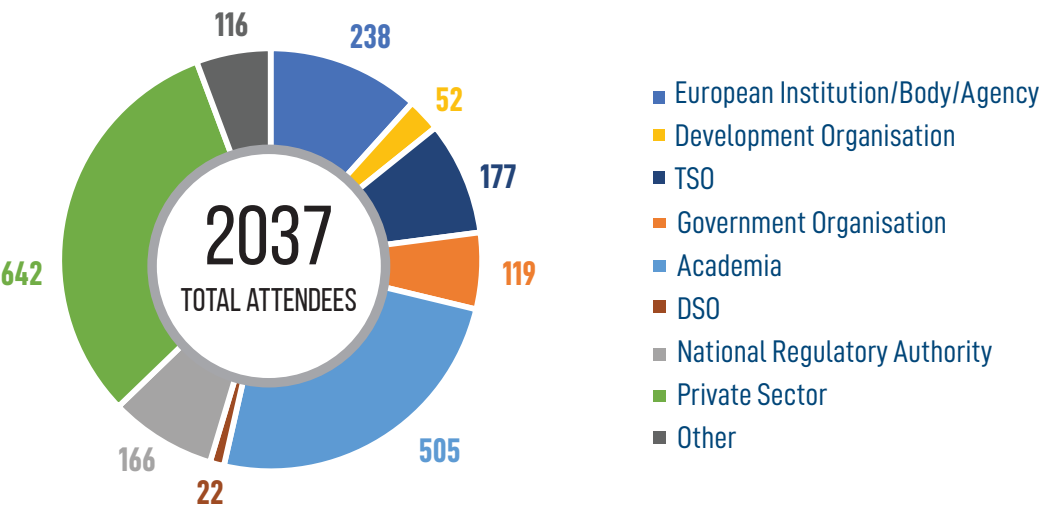
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POLICY DIALOGUE

POLICY DIALOGUE

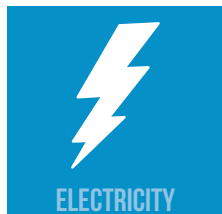
In Florence, in Brussels, and online.

FSR Energy & Climate offers a vast range of opportunities for open discussion on energy regulation, EU energy and climate policy and law. These events provide a platform for innovative discussion and practice-sharing, and offer opportunities for close interaction with the key stakeholders of the energy industry at various locations across Europe.



Where our participants came from in 2018

POLICY EVENTS



Effective solutions for RES integration and the goals of Clean Energy Package proposals

20.04.18 | Florence | Executive Workshop

The Florence School of Regulation partnered with Terna to discuss some of the upcoming challenges of the energy sector. The event debated possible solutions to foster the integration of renewable energy sources and how they can stimulate innovative technologies. The changes and challenges introduced by the Clean Energy Package were examined as well, particularly focusing on a new TSO/DSO coordination, ownership/control of storage assets, and the reflection of a European homogeneous adequacy assessment methodology on capacity mechanisms. Lastly, the event shared ideas on how to facilitate system development, especially in the perspective of the Energy Union target and the implementation of CEP.

FSR Alumni Event: EU Electricity Network Codes - Brainstorming Possible Amendments

14.05.18 | Brussels | Alumni Event

This event brought together the best students from the 'EU Electricity Network Codes' online course, as well as from the FSR online course for consumer organisations, energy communities and NGOs to brainstorm possible amendments on the electricity Network Codes. The inputs collected will be used by the Florence School of Regulation to propose possible adjustments to the codes.

InnoGrid 2020+ 2018: Get ready for the Twenties

15 - 16.05.18 | Brussels | Conference

The Florence School of Regulation partnered with ENTSO-E and EDSO for Smart Grids in the organisation of the InnoGrid2020+ Conference in Brussels. The event debated the next decade's power grids' challenges and provided insights and solutions through innovative projects, demonstrations and pilots. Topics of discussion included sector coupling, data and cybersecurity needs from a European but also global perspective.

Organised by ENTSO-E and EDSO for Smart Grids in cooperation with FSR



Effective Solutions for RES Integration and the Goals of Clean Energy Package Proposals, Florence | April 2018

POLICY EVENTS



Public workshop on the SmartNet project

20.06.18 | Brussels | Workshop

SmartNet is a research project funded by the European Union's Horizon 2020 programme. It proposed new practical solutions to foster integration of Renewable Energy Sources in the existing electricity transmission network.

This workshop provided detailed feedback and dissemination of the project's results and lessons learned, both from the simulation and cost-benefit analysis on the different coordination schemes, and from the three technological pilots undertaken in three countries (Italy, Denmark and Spain).

Organised by FSR and VITO

2nd Young Researcher Seminar

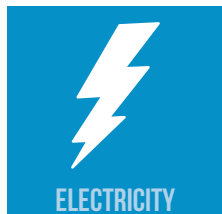
3 - 04.07.18 | Florence | Seminar

The FSR hosted the 2nd edition of this event to contribute to the development of the next generation of researchers. The seminar delivered insight into the Electricity Market Design and Grid Regulation, providing students the chance to present their papers, receive feedback from the Scientific Committee and discuss with a Panel of high-level energy experts.



2nd FSR Young Researcher Seminar,
Florence | July 2018

POLICY EVENTS



#PowerCoordinationEurope in Brussels

16.10.2018 | Brussels | Conference

The #PowerCoordinationEurope conference discussed: advancement of regional power coordination, network code implementation, interoperability of RSCs and solutions for tomorrow; state of play of the Clean Energy Package and the changes it will bring across; electricity security and contemporary challenges, like cybersecurity.

Organised by ENTSO-E and CORESO in cooperation with FSR

SmartNet Workshop Series

24 - 26.10.18 | Florence | Workshop

This workshop discussed the results achieved by SmartNet on the TSO-DSO coordination theme. Each day, different perspectives and interests of the stakeholders were considered by the project team.

Organised by FSR in the framework of SmartNet project



Annual Policy Advisory Council dinner,
Florence | April 2018

POLICY EVENTS



Market Abuse and Abuse of Market Power in Wholesale Energy Markets

12.01.18 | Florence | FSR Regulatory Policy Workshop

The workshop compared and contrasted the notion of market manipulation, as defined in Regulation (EU) No 1227/2011 (REMIT), and the notion of abuse of dominant position, as defined in competition law. The event attempted to identify any overlaps between the two notions, concluding on how best to approach cases which fall under both.

The Reform of the EU ETS and its Implications for the Energy Markets

23.02.18 | Florence | FSR Regulatory Policy Workshop

The workshop, jointly organized by the Energy and Climate Areas of the FSR, considered how the EU ETS might be revised for the period beyond 2020 to be able to address the inadequacies in its implementation, and to what extent this revision might result in higher EUA prices. The event also assessed what the implications of higher EUA prices could be for the electricity market's prices, and investigated the extent that renewable-based generation would be able to participate in the electricity market without requiring further support.

FSR Energy Advisory Council

23.04.18 | Florence | FSR Advisory Council

The Advisory Council focused on the outcomes of the 'internationalisation' strategy launched in 2017. It highlighted the role of the FSR as a worldwide 'Knowledge Hub', as the School became a real 'future-proof' institution and a point of reference in Policy Dialogue, Research and Training on energy regulation. The Advisory Council was attended by representatives from the FSR major donors, the Director of the School and members of the FSR team.



Policy Advisory Council,
Florence | April 2018

POLICY EVENTS



FSR Policy Advisory Council - Energy

24.04.018 | Florence | FSR Policy Advisory Council

The Policy Advisory Council invites renowned academics, the FSR Energy Major Donors as well as representatives from the European Commission, the Agency for the Cooperation of Energy Regulators (ACER) and National Regulatory Authorities to discuss and test the relevance and robustness of the FSR research. The event looked into TSOs-DSOs cooperation for distribution grid congestion management, grid connection network codes for electricity and discussed whether renewable gas can be considered as one of the main pillars of gas decarbonisation strategy.

The Economics of Cybersecurity for the Energy Sector: Towards Energy Regulation 4.0

04.05.18 | Florence | FSR Regulatory Policy Workshop

The workshop reviewed the current state of thinking on the economics of cybersecurity for the energy sector and identified how cybersecurity investments should be evaluated from an economic perspective, and how their effectiveness measured. It also assessed whether the current approach to the economic regulation of the energy sector is suitable for addressing cybersecurity and its costs, or whether a new regulatory paradigm is necessary to tackle the upcoming challenges.

Digital age and European energy transition: the launch of a Knowledge Hub

04.05.18 | Florence | EUI 'State of the Union'

The European Union is entering two waves of change and innovation which will shape the world economies and societies in the 21st Century: the "Digital Age" and the "Energy Transition". An independent "Knowledge Hub" is needed to collect data and evidence, aggregate research questions and analyses, define metrics and options, and to formulate policy alternatives and regulatory tools for Europe.



The Economics of Cybersecurity for the Energy Sector: Towards Energy Regulation 4.0, Florence | May 2018

POLICY EVENTS



Workshop on Energy Regulation: Challenges & Tools to Prepare for the Future in LAC

27 - 28.09.18 | Washington | Workshop

The objective of this workshop was to understand what are the key challenges that regulatory authorities are currently facing in LAC and what are the challenges expected for the next 15 years. The event discussed how the IDB may help to build regulatory knowledge to promote an efficient transition to a sustainable and accessible energy industry.

Coupling the Sectors

12.10.18 | Florence | FSR Regulatory Policy Workshop

The workshop looked at the extent and in which form(s) the electricity and gas markets and systems could be coupled. It also investigated which sectors and activities could be coupled with gas and electricity - and if this is possible, with which solutions.

FSR Policy Advisory Council - Energy

5 - 06.11.18 | Florence | FSR Policy Advisory Council

The Policy Advisory Council gathers academics, the FSR Energy Major Donors as well as delegates from the European Commission, ACER and NRAs to discuss and test the relevance and robustness of the FSR research. The event addressed the following topics: capacity mechanisms, distribution grid tariffs and levies, as well as gas transmission tariffs and sector coupling.

6th EU – INDIA Smart Grid Workshop

19 – 21. 11. 18 | Florence

The event welcomed high-level dignitaries from Indian central and state regulators and DSOs for open discussions on smart grids which were singled out as a priority area of cooperation in the framework of the EU – India Clean Energy and Climate Partnership, adopted at the 2016 EU-India Summit in Brussels.



Energy Regulation: Challenges & Tools to Prepare for the Future in LAC,
Washington | September 2018

POLICY EVENTS



Energy Innovation Academy

28.11.18 | Florence | Energy Innovation Academy

The 1st Energy Innovation Academy sought contributions from young scholars in all areas of Complexity, Innovation and Institutional Economics. The aim was to bring together a broad view on technological and institutional aspects in order to apply it to industry transitions.

Organised by FSR in cooperation with the Institute for New Economic Thinking



2nd FSR Young Researcher Seminar,
Florence | July 2018

POLICY EVENTS



[The New Legal Challenges of the Energy Union](#)

01.03.18 | Florence | Seminar

This seminar looked at the most recent developments in energy law for both electricity and gas. It considered the process of legislating the Clean Energy Package, as well as the related challenges and investigated how the package may be delivered in reality. This led to debate the electricity market design and the latest issues surrounding the European gas market – including the definition of import pipelines, following the recent proposal to amend the Gas Directive and evaluate the idea of a gas market design.

[Book Launch – State Aid in the Energy Sector](#)

02.03.18 | Brussels | Book Launch

The seminar marked the publication of a multi-authored volume: ‘State Aid in the Energy Sector’ (Hart Publishing), edited by Leigh Hancher, Adrien de Hauteclocque, and Francesco Salerno. The book provides a comprehensive, detailed analysis of the increasingly complex issues surrounding the definition and application of State aid law and policy in the energy sector, from both a legal and economic perspective. It delves into issues such as price regulation and taxation, as well as considering the criteria for compatibility with capacity mechanisms, RES, projects of common interest, and services of general economic interest.

[The 2nd Conference on the Impact of Brexit on the UK and European Energy Markets](#)

12.04.18 | London | Conference

This conference followed up the first initiative in March 2017. It considered the wide-ranging impact of Brexit on the UK and EU energy markets, from a legal and economic perspective, and assessed the developments and challenges emerged over the past year.

Organised by FSR in cooperation with Compass Lexecon & London School of Economics (LSE)



Climate Change Solidarity within the EU,
Florence | May 2018

POLICY EVENTS



[The Nordic Electricity Market in the EU's Energy Union](#)

15.05.18 | Oslo | Seminar

The Norwegian Parliament is currently considering whether the EU's Third Energy Package should be implemented in the EEA Agreement and incorporated in Norwegian law. The parliamentary process has contributed to a broad public debate on what consequences an affiliation with the EU's Energy Union and ACER may have for Norwegian resource management. This seminar investigated the challenges arising for non-EU Member States, as well as the opportunities the Norwegian power sector might benefit from. **Organised by FSR in cooperation with Energy Norway & University of Oslo**

[The Legal Challenges of the CEP's Consumer-Centric Provisions](#)

21.09.18 | Milan | Workshop

The Clean Energy Package (CEP) proposals launched in November 2016 has been branded as a consumer-centric package that promises a “new deal” for consumers and clean energy for all Europeans. However, to be effective, several of the consumer-centric provisions require cooperation between market actors, regulators and possibly new entities. Thus, the challenge of the CEP provisions lay in the implementation phase, which will likely require new legal structures as well as new business models. Among the issues explored in this workshop are the new supply relationships in the clean energy transition, the new role and responsibilities of aggregators and the future for energy-intensive and residential customers.



9th FSR & BNetzA Forum on the Legal Issues of Energy Regulation,
Florence | October 2017

POLICY EVENTS



6th Vienna Forum on European Energy Law

27 - 28.09.18 | Vienna | Forum

The Vienna Forum is a joint initiative between the FSR Energy Union Law Area and the Energy Community Secretariat which provides a platform to debate on the most significant energy challenges and opportunities currently facing the EU and the countries of Eastern and South-Eastern Europe, from both a legal and economic perspective. This year, the forum opened with a critical assessment of the future of the gas transit route through Ukraine. The debate that followed focused on issues surrounding the market and security of supply, the legal context for the energy transition, the future of EU energy governance, and concluded with a roundtable discussion on the Energy Union and its neighbours.

Joint Event: FSR and Energy Community Secretariat

10th Forum on the Legal Issues of Energy Regulation

12.10.18 | Berlin | Forum

The forum provided an update on the Clean Energy Package and considered the positions of different stakeholders on its implementation. The event also looked at issues surrounding interconnections, focusing on amendments to the gas directive, the TPA exemptions, and cross-border participation in capacity remuneration mechanisms. The debate also turned to energy and digitalisation, examining the myriad issues posed by the rapid developments and innovations in the field: the changing role of DSOs and TSOs, data management in smart grids, the role of aggregators, e-mobility, and the new issues surrounding the energy customers.

Joint Event: FSR and Bundesnetzagentur



6th Vienna Forum on European Energy Law,
Vienna | September 2018

POLICY EVENTS



Competition Law and the Energy Sector

23.10.18 | Brussels | Workshop

This workshop investigated the latest developments in the energy sector in terms of competition law. Firstly, it looked up at the digitalisation of the energy sector and examined the use of data in energy markets with a particular focus on the abuse of dominance and the essential facilities doctrine. Secondly, it considered recent developments in antitrust. Finally, the discussion turned to state aid and the energy sector with a particular focus on the notion of selectivity in state aid control.

The Achmea case and the EU Law of Unintended Consequences

16.11.18 | Paris | Workshop

This workshop examined the recent ruling from the European Court of Justice in the Achmea case, and explored its potentially far-reaching implications. The ruling of Case C-284/16, Slovak Republik v. Achema BV, delivered on 6 March treats the much-debated issue of the (in)compatibility of intra-EU investment treaties (BITs) with the EU law. In turn, the ruling has opened up several other questions and points of contention.

Organised by FSR in cooperation with Dechert LLP and the HEC

3rd Athens Conference on European Energy Law

07.12.18 | Athens | Conference

This conference is designed to address the latest topics in energy regulation that are significant for Greece and the surrounding region, from both a legal and economic perspective. This year, the conference largely focused on the numerous issues surrounding the financing of the clean energy transition. This included objectively assessing the allocation of financing and the role of the European financial and investment institutions, the privatisation of energy infrastructures and networks, and the funding of gas and electricity interconnections.

Joint Event: FSR and Hellenic Energy Regulation Institute



The EUI 'State of the Union',
Florence | May 2018

POLICY EVENTS



[The Renewable Gas Complex and the European Path to Decarbonisation](#)

09.04.18 | Florence | FSR Gas Policy Workshop

Is gas a transitional fuel or it should be a destination fuel? The answer depends on the wide use of renewable gas and in particular on the broad development of “green power-to-gas”. The workshop assessed the renewable gas complex and the path to energy sector decarbonisation, analysing the production value-chains, and discussing the scope of policy and regulatory interventions in support of the widespread use of renewable gas. The workshop concluded with proposing a series of policy recommendations to achieve energy sector decarbonisation quickly and efficiently.

[The Value of Energy Storage in Supporting EU's Security of Supply and Decarbonisation Goals](#)

06.07.18 | Florence | FSR Gas Policy Workshop

The event investigated the consequences of storage market's changing conditions and the adequate market design to fully capitalise flexible resources' potential. It also took into consideration the regulatory options that could be designed to provide the cleanest back-up to cope with the increasing variation of gas flows that the rising share of RES will trigger in the future low carbon energy system. The event concluded by issuing policy recommendations.



The Renewable Gas Complex and the European Path to Decarbonisation
Florence | April 2018

POLICY EVENTS



Towards “Net Zero” Methane Emissions in the Gas Sector – Challenges and Opportunities

15.10.18 | Florence | Workshop

In the decarbonisation efforts of the energy sector, the particular attention has been addressed to the carbon dioxide emissions. At the same time, the energy sector is partially responsible also for the emission of another greenhouse gas – methane. Methane is about 25 times more potent than the carbon dioxide. It stays in the atmosphere only for 12 years, very short time compared with 500 years for carbon dioxide. Because of these qualities, the reduction of the methane emissions would have an immediate impact. This workshop discussed the existing initiatives of the industry to reduce methane emissions, as well as the underlying challenges and opportunities for the gas sector in this respect.

Organised by FSR and GIE



The end of the long-term contracts era: which consequences for the EU Gas Market?
Florence | May 2017

POLICY EVENTS



Energy Poverty in Europe

14.09.18 | Brussels | Workshop

The workshop attempted to identify the drivers of energy poverty, as well as the roles of national governments and the European Commission. It addressed the possible solutions to reduce or end energy poverty in Europe, particularly within the context of the Clean Energy for All Europeans Package. The event also tackled energy poverty outside of the European context.

Joint Event: FSR and CEER



Energy Poverty in Europe,
Brussels | September 2018

POLICY EVENTS



Equity and solidarity in the EU Emissions Trading System: any lessons for international climate governance?

10.05.18 | Florence | EUI 'State of the Union'

This side event was organised by FSR Climate within the framework of the EUI State of the Union: 'Solidarity in Europe', as part of the policy dialogue carried out under the LIFE SIDE project. The project supports European policy makers with the design and implementation of the new EU ETS legislation.

Energy efficiency of companies: good practices and concrete cases

11.05.18 | Florence | EUI 'State of the Union'

This event was co-organised by FSR Climate and the Chamber of Commerce in Florence to present the territorial implications of the EU ETS to local companies, as well as to introduce the LIFE SIDE project.

Joint event: FSR and Florence's Chamber of Commerce

Carbon Market Workshop

14.05.18 | Florence | Workshop

This workshop gathered different stakeholders (from the academic, industry, NGO sectors) and senior policymakers from different carbon markets worldwide (California, Canada, China, EU and New Zealand), to discuss and exchange experiences in the design and implementation of emissions trading. This event was co-organised with DG Climate Action of the European Commission.

Public Debate at the European Parliament: FSR Climate presentation of the EU ETS Assessment Report

20.06.18 | Florence | Public Debate

This public debate gathered policymakers from the European Parliament, Member States and the European Commission to discuss latest and future developments of the EU ETS. The event is part of the LIFE SIDE project, co-funded by the European Commission.

Organised by FSR in the framework of LIFE SIDE project



Equity and solidarity in the EU Emissions Trading System: Any lessons for international climate governance? Florence | May 2018

POLICY EVENTS



Policy Session at WCERE

26.06.18 | Florence | Policy Session

This policy session discussed both the advantages and risks that a fully-linked market would involve, as well as addressing potential economic benefits brought by linking existing ETSS. The feasibility of a partial, incremental, restricted linkage between two or multiple existing ETSS versus full linking was also debated.

Organised by FSR in the framework of the 6th World Congress of Environmental and Resources Economists

FSR Climate Annual Conference 2018

26 - 27.11.18 | Florence | Conference

The conference covered the main climate-related existing policies at the EU, national and subnational levels. It also focused on energy efficiency, renewable policies and environmental taxation. A special session was also dedicated to the EU-ETS.

LIFE SIDE Final Conference

27 - 28.11.18 | Florence

This was the conclusive event of the LIFE SIDE project. The conference provided the opportunity to present the conclusions of a literature-based report assessing the performance of the EU ETS and to discuss some of the most pressing issues of the EU ETS post-2020.

Organised by FSR in the framework of LIFE SIDE project



Public Debate at the European Parliament: FSR Climate presentation of the EU ETS Assessment Report, Brussels | July 2018

03

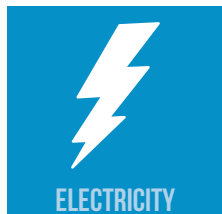
RESEARCH

RESEARCH

The Florence School of Regulation continued in its commitment to deliver meaningful and innovative insight into the most relevant energy, energy law and climate issues, tackling regulation and policy through a multidisciplinary approach.



RESEARCH BOOKS



[Design the Electricity Market\(s\) of the Future](#)

Editor: Rossetto Nicolò

Publisher: European University Institute, Robert Schuman Centre for Advanced Studies (77 pp.)

[Electricity network regulation in the EU: the challenges ahead for transmission and distribution](#)

Editors: Glachant Jean-Michel, Meeus Leonardo

Publisher: Edward Elgar Publishing, Loyola de Palacio Series on European Energy Policy (192 pp.)

[Higher Education in the Digital Age](#)

Editor: Glachant Jean-Michel, Haywood Jeff, Zorn Annika

Publisher: Edward Elgar Publishing (232 pp.)



[State Aid in the Energy Sector](#)

Editors: Hancher Leigh, de Hauteclocque Adrien, Salerno Francesco Maria

Publisher: Hart Publishing (640 pp.)



[Household Waste Management. Some Insights from Behavioural Economics](#)

Editors: Gilli Marianna, Mancinelli Susanna, Niccolli Francesco

Publisher: Palgrave Macmillan



Classical grey areas since the start of the internal market

Authors: Bhagwat Pradyumna, Meeus Leonardo

Book: Electricity network regulation in the EU: the challenges ahead for transmission and distribution

Editors: Glachant Jean-Michel, Meeus Leonardo

Publisher: Edward Elgar Publishing, Loyola de Palacio Series on European Energy Policy

Continental incentive regulation

Authors: Rious Vincent, Rossetto Nicolò

Book: Electricity network regulation in the EU: the challenges ahead for transmission and distribution

Editors: Glachant Jean-Michel, Meeus Leonardo

Publisher: Edward Elgar Publishing, Loyola de Palacio Series on European Energy Policy

DSO-TSO seams issues

Authors: Hadush Samson, Meeus Leonardo

Book: Electricity network regulation in the EU: the challenges ahead for transmission and distribution

Editors: Glachant Jean-Michel, Meeus Leonardo

Publisher: Edward Elgar Publishing, Loyola de Palacio Series on European Energy Policy

New grey areas at the frontiers of European power grids

Authors: Meeus Leonardo, Schittekatte Tim

Book: Electricity network regulation in the EU: the challenges ahead for transmission and distribution

Editors: Glachant Jean-Michel, Meeus Leonardo

Publisher: Edward Elgar Publishing, Loyola de Palacio Series on European Energy Policy

RESEARCH BOOK CHAPTERS



[The British reference model](#)

Authors: Rious Vincent, Rossetto Nicolò

Book: Electricity network regulation in the EU: the challenges ahead for transmission and distribution

Editors: Glachant Jean-Michel, Meeus Leonardo

Publisher: Edward Elgar Publishing, Loyola de Palacio Series on European Energy Policy

[TSO-TSO seams issues](#)

Authors: Glachant Jean-Michel

Book: Electricity network regulation in the EU: the challenges ahead for transmission and distribution

Editors: Glachant Jean-Michel, Meeus Leonardo

Publisher: Edward Elgar Publishing, Loyola de Palacio Series on European Energy Policy



[Climate Change Mitigation](#)

Authors: Alloisio Isabella, Borghesi Simone

Book: Encyclopedia of the UN Sustainable Development Goals

Editor: Filho Walter Leal et. al.

Publisher: Springer

RESEARCH JOURNAL ARTICLES



Energy Economics | [Future-proof tariff design: Recovering sunk grid costs in a world where consumers are pushing back](#)

Authors: Meeus Leonardo, Momber Ilan, Schittekatte Tim

Volume 70, pp. 484-498

Energy Policy | [An analysis of a forward capacity market with long-term contracts](#)

Authors: Bhagwat Pradyumna, Chappin Emile J.L., De Vries Laurens J., Marcheselli Anna, Richstein Jörn C.

Vol. 111, pp. 255-267

Energy Policy | [DSO-TSO cooperation issues and solutions for distribution grid congestion management](#)

Authors: Hadush Samson, Meeus Leonardo

Vol. 120, pp. 610-621



Economia Politica | [How do people choose their commuting mode? An evolutionary approach to travel choice](#)

Authors: Borghesi Simone, Calastri Chiara, Fagiolo Giorgio

pp. 1- 26

Economia Politica | [The diffusion and embeddedness of innovative activities in China](#)

Authors: Frattini Federico, Niccolli Francesco, Prodi Giorgio

Environmental and Resource Economics | [The dynamics of foreign direct Investments in Land and Pollution Accumulation](#)

Authors: Borghesi Simone, Giovannetti Georgia, Iannucci Gianluca, Russu Paolo

Regional Studies | [Migration, ethnic concentration and firm entry: evidence from Italian regions](#)

Authors: Bettin Giulia, Bianchi Patrizio, Niccolli Francesco, Ramaciotti Laura, Rizzo Ugo

Ecological Economics | [Behavioural Attitude towards Waste Prevention and Recycling](#)

Authors: Farinelli Paola, Gilli Marianna, Niccolli Francesco

The Journal of Economic Inequality | [The Signaling Effect of Gasoline Taxes and its Distributional Implications](#)

Authors: Tiezzi Silvia, Verde Stefano

The Scandinavian Journal of Economics | [Outward Foreign Direct Investments Patterns of Italian Firms in the EU ETS](#)

Authors: Borghesi Simone, Franco Chiara, Marin Giovanni



[Towards a more investment friendly economic incentive regime for offshore infrastructure projects](#)

Authors: Bhagwat Pradyumna, Lind Leandro

[Measuring the intangible: an overview of the methodologies for calculating customer baseline load in PJM](#)

Author: Rossetto Nicolò

[Enhancing the public acceptance of crossborder electricity interconnection projects : a crucial step in the EU energy transition process](#)

Authors: Sikow-Magny Catharina, Vasilakos Nikolaos

[Limits of traditional distribution network tariff design and options to move beyond](#)

Authors: Meeus Leonardo and Schittekatte Tim

[The Digital World Knocks at Electricity's Door: Six Building Blocks to Understand Why](#)

Authors: Glachant Jean-Michel , Rossetto Nicolò

[Thoughts on an Electricity System and Grid Paradigm Shift in Response to the EU Energy Transition and the Clean Energy Package](#)

Author: Lavoine Olivier



[Raising public awareness and trust in transmission infrastructure projects with incentive regulation: tools and biases](#)

Authors: Bhagwat Pradyumna, Keyaerts Nico, Meeus Leonardo



[Financing the Transition to Renewable Energy in the European Union, Latin America and the Caribbean](#)

Author: Vazquez Miguel



[Decarbonising the Gas Sector: is Renewable Gas a Serious Option?](#)

Authors: Olczak Maria, Piebalgs Andris

[Sector Coupling – the New EU Climate and Energy Paradigm?](#)

Authors: Olczak Maria, Piebalgs Andris



[The International Dimension of the EU Emissions Trading System](#)

Authors: Borghesi Simone, F. Verde Stefano and Zhu Tong

RESEARCH RESEARCH REPORTS



[Enlarging incentive regulation to improve public awareness and trust in electricity transmission infrastructure development](#)

Authors: Bhagwat Pradyumna, Keyaerts Nico, Meeus Leonardo

[Introduction to network tariffs and network codes for consumers, prosumers, and energy communities](#)

Authors: Meeus Leonardo, Schittekatte Tim

[The EU electricity network codes](#)

Authors: Meeus Leonardo, Schittekatte Tim

[The EU Clean Energy Package](#)

Authors: Meeus Leonardo, Nouicer Athir



[New regulatory and business model approaches to achieving universal electricity access](#)

Authors: Pérez-Arriaga Ignacio

[A comparative study of renewable energy and electricity access policies and regulatory frameworks in the Indian Ocean Islands: The case of Mauritius, Seychelles, Madagascar and Comoros](#)

Authors: Hadush Samson, Ravi Kumar Bhagwat Swetha



[DSO-TSO cooperation issues and solutions for distribution grid congestion management](#)

Authors: Hadush Samson, Meeus Leonardo

[Identifying and promoting missing EU power inter-connectors](#)

Authors: Beato Paulina, Vasilakos Nikolaos

[Managing the liberalization of Italy's retail electricity market : a policy proposal](#)

Authors: Amenta Carlo, Di Croce Giulia, Lavecchia Luciano, Stagnaro Carlo

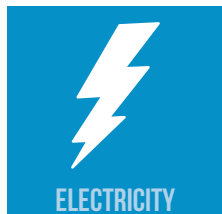
[Least-cost distribution network tariff design in theory and practice](#)

Authors: Meeus Leonardo, Schittekatte Tim



[The impact of the EU Emissions Trading System on competitiveness and carbon leakage](#)

Author: Verde Stefano



Book Review in the Economics of Energy & Environmental Policy Journal: “Innovation and Disruption at the Grid’s Edge. How distributed energy resources are disrupting the utility business model”

N. 1 Vol 7 (March 2018)pp. 150-153

Editors: Fereidoon P. Sioshansi (Academic Press. Elsevier. 2017).

Author: Glachant Jean-Michel

04

ONLINE ACTIVITIES

ONLINE ACTIVITIES DEBATES & WEBINARS



[Active Customer – Vulnerable Customer \(FSR & ENTSO-E\)](#)

28.02.18

This online debate gathered experts, academics and policy makers to discuss the state of play of energy poverty and active customers in the EU. Speakers included Susanne Nies (Corporate Affairs Manager, ENTSO-E), Anna Colucci (Head of Retail, DG ENER), Anne Vadasz Nilsson (Vice President, CEER) Branislava Marsenic Maksimovic, (ECRB Natural Gas Expert, Energy Community Secretariat), Elizabeth Errington (Senior Policy Researcher, Citizens Advice), Theresa Griffin, (MEP).

Organised by FSR and ENTSO-E

[The New Governance of Renewables – Where is Europe Heading?](#)

09.03.18

The European Parliament and the Council are discussing the European Commission's proposals presented in November 2016 on the energy and climate targets for the next decade. This online debate discussed three of the most contentious issues: RES target level for 2030 – how ambitious shall Europe be? Integration of RES into the electricity market – is priority dispatch still needed? Is the current market design providing fair treatment to RES? Cross-border participation in support schemes – do Member States think beyond narrow national interests when promoting the deployment of RES? These and other questions were addressed by a high-level panel made up of academics, representatives of the institutions and professional practitioners including Nicolò Rossetto, (Research Associate, FSR), Mario Ragwitz (Professor, Fraunhofer ISI), Alberto Pototschnig, (Director, ACER) and Dirk Hendricks (Senior Policy Advisor, EREF).



[Knowledge networks and technological frontiers: where are we, and where do we go to, in bioenergy?](#)

26.09.18

One of the most relevant elements in the design of technology policies for energy industries is the identification of technological frontiers. However, it is also important to understand the evolution of such frontiers. In this online debate, Jose Maria Silveira (Unicamp) and Miguel Vazquez (Head of the FSR Energy Innovation Area) discussed how to successfully identify these frontiers and analyse their evolution in bioenergy using patent data.



[The role of LNG in the energy transition](#)

04.12.18

To what extent can we neglect the role of conventional gas in this context? What are the possible options at stake as to ensure a real smooth energy transition? Is the cost of keeping conventional gas in the energy mix a sustainable cost? These and other questions were addressed by a high-level panel composed by Christopher Jones (FSR Part-time Professor), Peter Fraser (IEA), Jacques Rottenberg, Elengy/GLE and Bernard Vanheule, IOGP.

ONLINE ACTIVITIES DEBATES & WEBINARS



[Extending the Energy Acquis beyond the EU Institutional Challenges](#)

07.05.18

The ambitious Energy Union policy is set to produce an ambitious EU energy law. In this open access webinar, Professor Henrik Bjørnebye (Scandinavian Institute of Maritime Law, University of Oslo) examined the institutional governance challenges arising from the control of non-EU Member States which are part of the IEM from EU-specific energy sector institutions.

[The GDPR and the Energy Sector](#)

14.06.18

In this webinar, Hielke Hijmans (Centre for Information Policy Leadership and Brussels Privacy Hub) analysed the GDPR and its potential impact on the energy sector. The new European Data Protection Regulation (GDPR), applicable as of 25 May 2018 in all Member States, has heralded a major reform of the EU data protection framework. Given that energy companies are increasingly becoming data companies, harnessing energy data and personal data as a tool for energy efficiency mechanisms, the impact on the energy sector will be wide-ranging.

[EU Electricity Network Codes: Good Governance in a Network of Networks](#)

18.06.18

This webinar, with Saskia Lavrijssen and Thomas Kohlbacher (Tilburg University) looked at the development of the governance structure of the internal energy market through the lens of the EU network codes and guidelines. These EU-wide rules govern all cross-border electricity market transactions and system operations. Does the governance structure employed in the development of these codes meet the criteria of good governance – namely transparency, participation and accountability?

ONLINE ACTIVITIES DEBATES & WEBINARS



[Competitiveness and carbon leakage in carbon markets: perspectives and challenges](#)

26.07.18

This live debate brought together high-level experts including Simone Borghesi (Director, FSR Climate), Christian Egenhofer (Head of the Energy and Climate programme; Director of Energy Climate House, CEPS), Milan Elkerbout (Research Fellow, Energy and Climate Change, CEPS) and Matti Liski (Professor, Department of Economic, Aalto University, Helsinki) to discuss competitiveness and carbon leakage in carbon markets and related topics concerning the EU ETS Phase 4 revision.

Organised by FSR in the framework of LIFE SIDE project

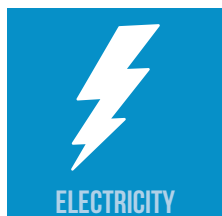
[Low-carbon innovation and investment in the EU ETS and beyond](#)

15.11.18

In this online debate, Simone Borghesi (FSR Climate Director), Gregory Nemet (Professor at University of Wisconsin–Madison) and Karsten Neuhoff (Head of Department for Climate Policy at DIW Berlin) discussed the importance of financing low-carbon innovation as well as the role of investments in the EU ETS and into the global decarbonisation strategy.

Organised by FSR in the framework of LIFE SIDE project

ONLINE ACTIVITIES VIDEOS



Bhagwat, Pradyumna | [Raising public awareness and trust in electricity transmission infrastructure development](#)

Gerard, Helena | [Five TSO-DSO coordination schemes](#)

Gomez, Tomas | [The impacts of SmartNet](#)

Madsen, Henrik | [Flexibility from thermal inertia](#)

Michi, Luigi | [The Integration of Renewables and the Challenges for TSOs](#)

Migliavacca, Gianluigi | [What can we learn from SmartNet?](#)

Online Debate Recording | [EU Electricity Network Codes: Good Governance in a Network of Networks](#)

Pardo, Miguel | [Flexibility from radio base stations](#)

Rossetto, Nicolò | [Digitalisation: Beyond the Buzzword](#)



Borchardt, Klaus-Dieter | [Clean Energy Package online course](#)

Borchardt, Klaus-Dieter | [My 2018 resolutions for the EU energy market](#)

Glachant, Jean-Michel & Jacqmin, Julien | [Best paper in Energy Area: Regulation of Infrastructures 2018](#)

Meeus, Leonardo | [Online Course: EU Clean Energy Package](#)

Online debate recording | [The New Governance of Renewables – Where is Europe Heading?](#)

Online webinar recording | [Active Customer – Vulnerable Customer \(FSR & ENTSO-E webinar\)](#)

Online webinar recording | [Extending the Energy Acquis beyond EU Institutional Challenges](#)

Pérez-Arriaga, Ignacio | [Professional Training Courses at FSR Energy](#)

Pototschnig, Alberto & Borghesi, Simone | [The Reform of the EU ETS: what implications for the Energy Markets of the future?](#)

Rossetto, Nicolò | [Scholarship award in memoriam of Ana Aguado: an interview with the two winners of the 2018 edition](#)

Vinci, Salvatore | [Key challenges for the deployment of renewables: an overview by IRENA](#)

ONLINE ACTIVITIES VIDEOS



Hancher, Leigh | [State Aid and the Energy Sector: Book release](#)

Hancher, Leigh (online video lecture recording) | [The application of EU State Aid Rules to RES: Understanding the EEAG](#)

Highlights | [The 6th Vienna Forum on European Energy Law](#)

Hijmans, Hielke | [What's in the GDPR?](#)

Online webinar recording | [The GDPR and the Energy Sector](#)

Tanase, Lavinia-Petronela | [Legal challenges of the Electricity Network Codes and Guidelines](#)



Balcombe, Paul | [Could gas be sustainable?](#)

Borchardt, Klaus-Dieter | [EU Gas Network Codes online course](#)

Bressand, Albert | [The Renewable Gas Complex and the European Path to Decarbonisation](#)

Conti, Ilaria | [Introduction to the Regulation of Gas Markets](#)

Conti, Ilaria | [Upgrading the EU gas market: the ultimate challenge?](#)

Ingwersen, Jan | [EU Gas Network Codes online course](#)

Kamphues, Stephan | [EU Gas Network Codes online course](#)

Piebalgs, Andris | [Could gas be a destination fuel for Europe?](#)

Piebalgs, Andris | [What role for renewable gas?](#)

Pototschnig, Alberto | [EU Gas Network Codes online course](#)

Ruby, Kristian | [EU 2050 low carbon strategy – the view of electricity industry](#)

Testimonial | [Specialised Training on the Regulation of Gas Markets 2018 edition](#)

Urisk, Jasmine | [How to regulate methane gas emissions? The Canadian perspective](#)

Valeba, Lubor | [The Value of Energy Storage in Supporting EU's Security of Supply and Decarbonisation Goals](#)

ONLINE ACTIVITIES VIDEOS



Online webinar recording | [Energy Innovation: Where Are We Going with Bioenergy?](#)



Lovengreen, Pia | [Energy Access portal on energypedia launched!](#)

Promo | [Energy Access – Why regulate and what regulation?](#)



Borghesi, Simone | [EU climate policies and the EU ETS](#)

Borghesi, Simone | [LIFE SIDE Online course on the EU Emissions Trading System](#)

Borghesi, Simone | [LIFE SIDE Residential training course on the EU ETS](#)

Nicolli, Francesco | [Low-carbon innovation and investment](#)

Online debate recording | [Competitiveness and carbon leakage in carbon markets](#)

Online debate recording | [Low-carbon innovation and investment in the EU ETS and beyond](#)

Public Debate at the European Parliament | [FSR Climate presentation of the EU ETS Assessment Report](#)

Taschini, Luca | [Interactions with other policies and the Market Stability Reserve](#)

Verde, Stefano | [Allowance allocation, competitiveness effects, and carbon leakage: Part 1](#)

Verde, Stefano | [Allowance allocation, competitiveness effects, and carbon leakage: Part 2](#)

Zhu, Tong & Marcu, Andrei | [The international dimension](#)

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Bastioli, Catia | [The role of trust and local territories in the energy transition](#)

Burgess, Andrew | [What lessons from the SmartNet Project?](#)

Gerard, Helena | [Five TSO-DSO coordination schemes](#)

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Ruby, Kristian | [The ETS reform: not enough to push electricity decarbonisation](#)

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Harrington, Tanya | [The Irish Question: Brexit and the I-SEM](#)

Tsangaris, P. | [Capacity Withdrawals in Electricity Wholesale Markets – Competition & Regulation](#)

Zaręba, Szymon | [The Opal Gas Pipeline](#)

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Burman, Diane | [World Forum on Energy Regulation 2018](#)

Crisan-Revol, Adina | [The Projects of Common Interest](#)

de Suzzoni, Patricia | [World Forum on Energy Regulation 2018](#)

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Wüstenberg, Moritz | [Regulating EU-Russia Energy Trade Relations: The WTO Ruling](#)

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Imaduwa, Tony | [Energy regulation on islands](#)

Sam, Laurent | [Challenges of Integrating Renewables](#)

Ranci, Pippo | [Factors influencing the energy policy design to address Energy Poverty in the EU](#)

Rabemananjara, Ketakandriana | [Malagasy regulator's view on the electrification and clean energy transition](#)



Poillion, Christophe | [Power to Gas from a gas TSO's perspective](#)

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