



#### **RESEARCH**

The school carries out multidisciplinary research with the purpose of developing economically, legally, and socially-sound regulation and policy.

#### **TRAINING COURSES**

Designed by an international faculty of academics and the main experts in the field, our courses are designed to meet the educational needs of professionals at all levels.

#### **POLICY EVENTS**

Our events bring together the world of academia and practice to offer a vast range of opportunities for open discussion and practice sharing.



### **HIGHLIGHTS OF 2021**



Covid-19: The FSR launches the "digital solidarity initiative" offering 50 scholarships to professionals affected by the covid-crisis. The school successfully moves all of its activities online (training, policy dialogue, research) organising 60 events attended by **nearly five thousand participants** and 12 online courses training more than **one thousand professionals worldwide**.

**FSR Global celebrates one year** of activities in India, Latin America, Africa, China and Europe.

FSR has **two new Executive Directors for Online Affairs and the World of Practice:** Leonardo Meeus and Alberto Pototschnig join Jean-Michel Glachant to move the School ahead.

The FSR joins the European Commission-led initiative **European Clean Hydrogen Alliance** in an effort to set the EU bloc on the right path to a clean energy transition.

The FSR launches **four new online series** connecting our community worldwide, and advancing knowledge for a more sustainable and resilient energy future.

The FSR joins the **European Commission Horizon 2020 funded project, OneNet,** aiming at developing the key instruments for a European approach to energy flexibility.

The FSR Lights on Women initiative launches the **Energy Expert List** to improve gender diversity and inclusion in the FSR's knowledge hub, and continues providing opportunities for women in energy by offering its annual scholarship and building new collaborations and media partnerships.

FSR publishes a new book "The Evolution of Electricity Markets in Europe", written by Leonardo Meeus.

FSR designs **new multimedia formats** and further develops its **digital platforms**, enhancing a personalised experience, data analytics and community engagement.

## What a Year!

2020 has challenged all of us with unexpected constraints and deadlocks, but the way we've responded defines who we are today, and take us one step further in our mission.

We've always thought about our School as a *place* for sharing knowledge and exchanging ideas - face to face, shoulder to shoulder. Can a school keep its essence during several months of lockdown?

To succeed in our actions, we believed it was key to:

- Keep us, the permanent staff, interacting and producing; delivering the key outputs permitting the flow of knowledge to keep flowing, despite our dispersion across more than 10 countries, from India to the US.
- Keep all the links with our audience open and alive; reacting to any suggestion or wish; moving as fast as the audience's mind-set when it was signalling something different, something new.
- Redefine all of our priorities, all of our rules, roles and tasks; as the school can no longer deliver its 'food for thought' in the same way if the life of its audience, the preferences and the tools our audience uses, and trusts, are so deeply transformed.



#### **Training**

All of our training courses have been moved online, with astonishing results. Two of our regular courses on regulation received more than 100 participants. Our annual flagship training course, *Annual Training on the Regulation of Energy Utilities*, had to be split into two classes of 25 participants to keep our quality standard. Our ad hoc course for the *World Bank* acclaimed by the trainees in Washington DC. Our brand new "global" course on Electric Mobility subscribed from Afghanistan to Costa Rica. A new Portuguese edition of our "*Regulatory Delivery*" course will welcome 60 practitioners from Brazil...

#### **Policy Dialogue**

All of our policy events have been moved online as well. We have delivered very different formats, from 55 participants in a dense brainstorming session, to 600 participants navigating in a international digital crowd. From a 45 minute sharp, brilliant and condensed knowledge sprint to a 5 hours very structured, deeply organised investigation crossing dozens of views in a series of panel sessions. From 400 to 1,000 participants every month... a large and vibrant audience never seen before. And every Wednesday afternoon, 2pm, we now have our regular weekly FSR Online events... An incredible achievement, thanks to our wonderful "Online Team" led by Daniela Bernardo.

#### Research

Our research neither stopped nor slowed down. Meeting online and discussing via platforms has long been a routine part of applied research. We published a whole book on EU electricity markets with Edward Elgar Pub.; a report on "Least-Cost EU Decarbonisation"; another report on Energy Communities; a string of studies on hydrogen and methane emissions, on digitalisation and Peer-2-Peer trade. Two new big successes with research grants: TSO & DSO cooperation in the power industry "OneNet" (led by Valerie Reif); Towards a liquid, flexible and transparent global Liquefied Natural Gas (LNG) (led by llaria Conti).

#### Vision for our Future

All the efforts to change and adapt in 2020 are not provisional gestures to avoid the worst, but strategic actions to voluntarily transform our School into an interactive, 24/7, global knowledge hub.

**First** we have redefined our Senior Mangement Team, now made of three directors. Leonardo Meeus (professor in a business school for 7 years) drives all FSR digital affairs and our permanent online platform. Alberto Pototschnig (Head of ACER for 10 years) is deepening and sharpening FSR relevance for the world of practice (national regulators, European authorities, industry, associations and NGOs, etc.). And me, I have become a kind of Director-General

**Second** we have strengthened our "policy making & regulatory corner" (hydrogen, methane, renewables, guarantees of origin, digitalisation, P2P, Clean Energy Package & Green Deal, etc.) and reinforced our links with our "sister school" in Copenhagen (The Copenhagen School of Energy Infrastructure). And we are redefining our training portfolio to cover all strategic knowledge dimensions.

**Third** we are still investing beyond Europe, as energy and climate are two common global challenges. It goes from working for the European Commission in the EU-China energy dialogue; to working fully freely as "FSR Global" (led by Swetha Ravi Kumar Bhagwat, from New Delhi), while also feeding the EU-India energy partnership. In Africa, under the leadership of Ignacio Perez Arriaga, we proudly work to help build the very first African School of Regulation.

**Fourth** we are increasingly investing into our diversity and inclusion policy. For decades, the energy world was famous for being a "club of gentlemen". This has no reason and no legitimacy. Our FSR in-house advocate Jessica Dabrowski has shown, and is still showing, that goodwill innovation and hard work can move mountains.

**Fifth** the FSR has defined and is implementing its own 'Code of Ethics" to frame all of our relations with private sector and for-profit entities. The FSR sincerely welcomes donors, companies and entrepreneurs and would not be as relevant and dynamic without them; but defining what is trustworthy knowledge, how to share it, and with whom, is our independent and sacred duty. Our FSR internal ombudsman for ethics is Pippo Ranci, former Chairman of Italian energy regulatory authority.

**To end:** This has been a difficult year that we have navigated together. I am grateful for the continous support our audience, partners and donors give to the School and I hope that we will be able to count on the same warm support in the future.

Jean-Michel Glachant

**Director of the Florence School of Regulation** 



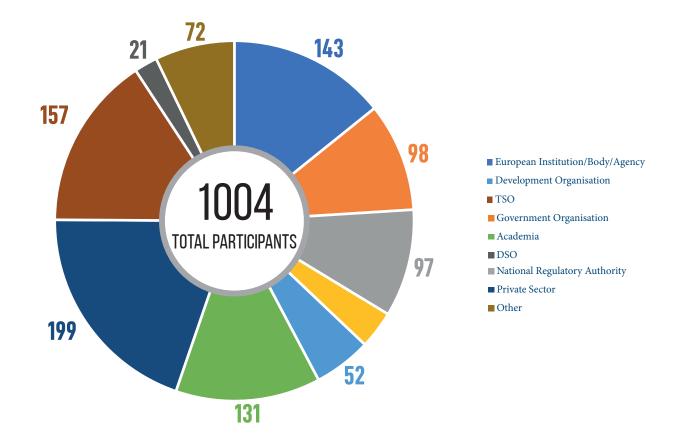


### **TRAINING COURSES**

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.



### TAILOR MADE TRAINING



#### Tailor Made training for DG ENER

3 March 2020 | Residential

This course was specifically designed to meet DG ENER's requirements to cover the fundamentals of unbundling in the energy sector, and market issues in the electricity and gas sector. Effective unbundling is a precondition for the development of fair competition in the energy sector. An appropriate market design promotes competition and therefore efficiency in the energy sector, ensuring fair prices and greater choice for EU consumers. Well-functioning markets make also easier to pursue the multiple objectives of EU energy policy (sustainability/decarbonisation, efficiency, security of supply, affordability) in a consistent way. In fact, if markets are well designed, it is easier to ensure the smooth functioning and interaction of parallel markets, than it is the case with administrative instruments. The course focused on specific aspects which have proved to be particularly complex or sensitive in their implementation.



#### Renewable Energy for the World Bank

8-20 June 2020 | Online

This FSR tailor-made training on Renewable Energy was designed to meet the World Bank's specific requirements. The training course was the first tailor-made training designed and delivered entirely online. It was composed of two modules:

- Renewable support schemes and integration of renewables in electricity markets
- Integration of renewables beyond electricity (renewable gas and sector coupling with power-to-gas)

### **ONLINE TRAINING**



#### **Evolution of Electricity Markets in Europe**

22 September – 22 November 2020

This 9-week online course is composed of readings, videos as well as interactive and communicative online activities. A comprehensive class with live interaction between the participants and the FSR instructors was held each week. In the first six weeks, the focus was mainly on the market network codes (CACM GL, FCA GL, EB GL). Also, the interaction between the market codes and the system operation guideline (SO GL) is highlighted. Organised by FSR in cooperation with ENTSO-E, the European Commission and ACER.



#### **EU Clean Energy Package**

28 April - 4 June 2020

This 5-week online course is composed of readings, videos as well as interactive and communicative online activities. A comprehensive class with live interaction between the participants and the FSR instructors was delivered each week. The 3rd edition focused on the Energy Union Governance Regulation, the Renewable Energy Directive, and the new deal paradigm of the Electricity Directive. Also this year, the course text has been updated.



#### The European Energy Transition: An agenda for the Twenties

15 May - 10 July 2020

The 8-week training provided an insight into the EU's energy transition journey by looking at the past trajectory and the challenges ahead. Technology breakthroughs, innovation including business model innovation and processes as well as changing role and emerging actors, policies, regionalisation and Europeanisation formed an intrinsic part of the agenda.

Organised by FSR and ENTSO-E



#### **EU Gas Network Codes**

26 February - 24 April 2020

This 8-week online course focused on explaining in details the provisions of EU Gas Network Codes (NC) and it's developed in cooperation with ENTSOG. It offered the opportunity for participants to exchange experience and views on the NCs implementation efforts required from market participants. The course included sound competence and specialised resources providing participants with comprehensive knowledge about the EU Gas Network Codes, thanks to experts actively involved in their development – namely national TSOs and ENTSOG.

### **ONLINE TRAINING**



#### **Linking Emissions Trading Systems**

26 October - 20 November 2020

The Linking Emissions Trading Systems online course combined scientific and policy expertise to learn about the relevance and challenges of linking emissions trading systems (ETSs). The objective of this course was to translate into practical learning the research of the project LIFE DICET and to bring them to a wider audience. The participants in the training gained knowledge about the theory of ETS linking as well as on the state-of-play of existing ETSs and of the Paris Agreement in its relevant aspects. Special attention was devoted to the six ETSs represented in the Carbon Market Policy Dialogue (those of California, Quebec, EU, Switzerland, China and New Zealand) and to the implications of differences in environmental ambition and in price-control mechanisms for ETS linking.



#### **Regulation for Sustainable Development Goal 7**

January – 18 May 2020

This 4.5-month online course analysed the multi-dimensional approach to energy access, by emphasizing the role of regulation in bringing actionable solutions to these problems. This training provided the learner with insights on how to design the appropriate policy and regulatory framework needed to achieve Sustainable Development Goal 7. Learning outcomes included: understanding the interdependence of the tools available to address energy access including the technologies (traditional, clean and smart), finance, business models and regulatory instruments; and the wider impact energy access has on health, education and on overall socio-economic development.



#### **Electric Vehicles: a power sector perspective**

10 September – 15 October 2020

This specialised 5-week online course was specifically designed for professionals who wish to address the power sector challenges posed by the ever-growing number of EVs on a global scale, namely: ensuring the deployment of the charging infrastructure required to serve the needs of the ever-growing number of EVs; and integrating EVs into the power system securely and efficiently.



#### **Regulatory Delivery**

12 October - 29 November 2020

This 7-week course shared optimal governance models experienced in Europe for the energy transition while comparing them with innovative initiatives in South America, Asia, and Africa. During the course, participants reviewed increasingly complex infrastructure regulation due to public policies promoting liberalisation, decarbonisation and digitalisation.

### RESIDENTIAL TRAINING MOVED ONLINE



### Annual Training on the Regulation of Energy Utilities - Block I Block II and Block III

30 September - 4 October 2019 Block 1, 5 October 2019 - 31 May 2020 Block 2, 01-05 June 2020 Block 3 | Blended Training Block 3

The Annual Training blended 3-block course is the most comprehensive training on the regulation of the energy sector in Europe, developed specifically for National Regulatory Authorities and the regulatory affairs departments of energy companies. The objective was to provide the staff of regulatory authorities and market operators with a comprehensive knowledge of regulatory principles. It offered different perspectives and experiences of energy regulation on topics such as wholesale markets, electricity transmission, the quality of energy supply, regulatory legal procedures, monopolistic and competitive activities, wholesale and retail gas markets. The first residential training week in Florence introduced the annual course and covered the fundamental principles of regulation, markets, networks and the institutional framework. The third block of the training was dedicated to the discussion of case studies, group work and simulation games as well as a final workshop on energy and sustainability.



#### **Annual Training on the Regulation of Energy Utilities**

5 October 2020 - 24 June 2021

The Annual Training has been re-designed into a 9-month online course. The course is currently ongoing. The new programme focuses on the fundamental principles of the regulation of the power and gas sectors through theory and practice, learning from European leaders, former regulators, leading academics and industry specialists and practitioners. Every other week, participants discuss and learn from a different instructor via two interactive live classes, a Q&A session, and a master class led by a leading expert (around 35 live sessions in total). The course is designed to ensure students have close and personalised interaction with the instructors.



## Summer School on Energy Systems: Sector Coupling and Energy Modelling

21-24 September 2020

The 1-week Summer School on Energy Systems targeted PhD students interested in sector coupling and energy modelling. The training focused on the economic, policy and regulatory aspects of sector coupling in the European Union and the possible ways to model and investigate them quantitatively. In the first part of the course, participants gathered a general overview of European energy policy and the importance of coupling different energy enduses and vectors to achieve the energy transition. In the second part of the course, participants explored a few quantitative studies and modelling exercises that shed some light on the problems and issues identified in the first part. Participants also presented their current research on the topics and received accurate feedback from peers and the course faculty. **Organised by FSR and the Fraunhofer Cluster of Excellence "Integrated Energy Systems"**.



#### **Specialised Training on the Regulation of Gas Markets**

28 September 2020 - 30 October 2020

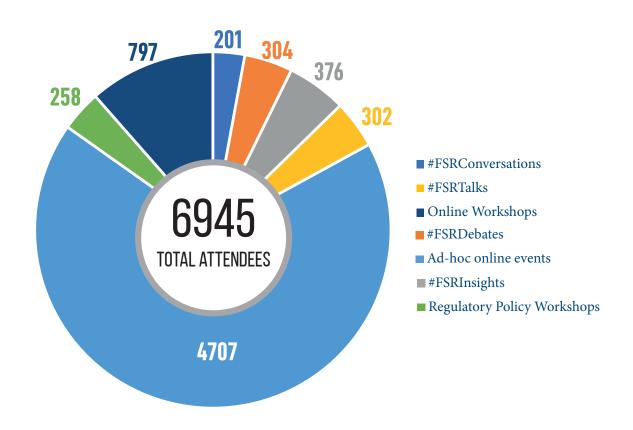
This 5-week training covered the basic principles of gas regulation, as well as the most topical issues in Europe and worldwide. In addition to learning about the gas market context, course participants received an overview of the various applications of gas regulation in different parts of the world (ie. EU, USA, South America, Australia etc.). The second part of the course was devoted to market regulation in the EU. This year, the course, along with the implementation status of the EU network codes and guidelines at the national level, focused on the consequences of the ongoing decarbonisation process of the EU gas sector and its impact on TSOs, DSOs, companies and other stakeholders. Moreover, the course offered an in-depth insight on the basic concepts of gas regulation such as tariffs design, TPA and pipeline competition, incentives to new infrastructure, and price caps – with a practical perspective supported by concrete examples and case studies.



## **EVENTS**

#### Online and worldwide.

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.





## Global Observatory on Peer-to-Peer, Community: Self-Consumption and Transactive Energy Models

17-18 February 2020 | Online | Conference

The conference was held on two days:

On the first day, open to the public, academics, industry practitioners and representatives of the institutions met and discussed the definitions of these new energy models and the opportunities and difficulties that they raise. A few concrete cases of P2P, CSC and TE energy models were presented and used to ignite the debate.

During the second day, researchers involved in the Global Observatory presented the work conducted so far in the various Observatory subtasks and discussed the steps to take in the following six months.



#### Variable Generation, Flexible Demand

19 February 2020 | Online | FSR Regulatory Policy Workshop

Building on the success of its previous edition in February 2019, this workshop investigated new business models that are emerging in the electricity sector.



## The Configuration of Bidding Zones, Liquidity and Competition in the Electricity Market

18 June 2020 | Online | FSR Regulatory Policy Workshop

The workshop aimed to reflect and review the available evidence on the relationship between bidding-zone configurations and market liquidity. It also considered to what extent larger bidding zones, when not supported by the capacity of the underlying network, can promote competition to the benefit of energy consumers.



### **Electricity Pricing and Trading in the Decarbonised Energy Sector**

13 November 2020 | Online | FSR Regulatory Policy Workshop

The workshop covered electricity pricing and trading in the decarbonised energy sector along with other related issues in assessing the way in which the new structure of costs of electricity generation (from renewable energy) might require an upgrading of the current electricity market design, taking into account the need to provide correct investment signals and correct short-term market signals that preserve an efficient market outcome.



#### **Policy Advisory Council - FSR Energy**

25 May 2020 | Online | Policy Advisory Council

The Policy Advisory Council discussed the most topical regulatory and policy issues, as well as debating the relevance and robustness of the latest FSR Research findings. Among the debated topics: Customer data exchange and interoperability, Peer-to-peer, platforms, communities, Cost-effective decarbonisation, Regulatory challenges. The meeting gathered renowned academics, experts from the FSR Energy Major Donors, the European Commission, the Agency for the Cooperation of Energy Regulators (ACER) and National Regulatory Authorities.



### The Role of Guarantees of Origin in Pursuing Energy Sector Decarbonisation

29 May 2020 | Online | FSR Regulatory Policy Workshop

The workshop considered which role the Guarantees of Origin (GOs) might play in promoting the development of decarbonised/renewable gases and, more generally, decarbonised/renewable energy vectors within a framework aimed at achieving the renewable penetration policy goal at least costs. It also looked at the relationship between GOs, Green Certificates (GCs) and other support schemes and whether the current governance of the GOs is fit for any new role that they might be called to play in the future.



#### Policy Advisory Council - FSR Energy

23-24 November 2020 | Online | Policy Advisory Council

The Policy Advisory Council discussed the most topical regulatory and policy issues, as well as debating the relevance and robustness of the latest FSR Research findings. Among the debated topics: Sector Integration for the decarbonisation of the energy sector, the role of hydrogen in enabling the energy transition, the Reform of the ETS system and resilience of the electricity system. The meeting gathered renowned academics, experts from the FSR Energy Major Donors, the European Commission, the Agency for the Cooperation of Energy Regulators (ACER) and National Regulatory Authorities.



#### **Protecting Foreign Investment After Brexit**

22 January 2020 | London | Seminar

The seminar focused on the potential investment protections post-Brexit, examining the impact of Brexit on intra-EU disputes and the investment protection regime governing EU investments in the UK and investments abroad. Organised by FSR Energy Union Law in collaboration with Sir Alan Dashwood and Dechert LLP.



## Market Abusive Practices: Artificial Prices, Excessive Prices and Manipulative Practices in the Internal Energy Market

24 January 2020 | Florence | FSR Regulatory Policy Workshop

This workshop explored market abusive practices - artificial prices, excessive prices, and manipulative practices - in the internal energy market, comparing the different approaches to 'high' prices in auction-based energy markets under REMIT and competition law. **Organised by FSR with the Energy Law Area collaborating with Alberto Pototschnig on his Regulatory Policy Series of workshops.** 



#### Gas in the European Green Deal

14 March 2020 | Milan | Workshop

This workshop considered the role of gas in the European Green Deal looking at the prospects of carbon-neutral 'green gases', gas as a transition fuel, and the transition of gas infrastructures.



### IEA Workshop: Network of Methane Policy and Regulatory Experts

15 January 2020 | Paris | Workshop

Hosted by the International Energy Agency, this workshop brought together a network of methane policy and regulatory experts in order to discuss and advance this aspect of the MGPs. The aim was to exchange views and lessons learned on effective approaches to methane regulation and enforcement in different jurisdictions around the world, and to consider how best to support and widen these efforts.

Organised in collaboration with: Florence School of Regulation, United Nations Environment Programme, Partners to the Methane Guiding Principles



### LNG and the European Green Deal teaming up for a decarbonised 2050

20 January 2020 | Brussels | Workshop

This event focused on the role of LNG in a transition towards clean energy transition. LNG Protocol is the informal communication platform of 9 organisations (GIE, Eurogas, Marcogaz, NGVA Europe, GIIGNL, IGU, SEA\LNG, SIGTTO, SGMF) that together drive the LNG industry forward. LNG Protocol members support the diffusion of knowledge, best practices and new technologies related to liquefied natural gas.



#### Very-low / decarbonised hydrogen from natural gas

15 April 2020 | Online | Workshop

The first FSR online workshop focused on decarbonised hydrogen produced from natural gas, or 'blue' hydrogen. The different technologies to produce hydrogen, as well as their relevance in market and policy terms, were discussed with the help of experts on the topic.



#### Online workshop on Renewable Hydrogen

22 April 2020 | Online | Workshop

Following the first online workshop on Blue Hydrogen, the second online workshop moderated by Andris Piebalgs (FSR) examined the potential for producing "green" hydrogen; the state of technology and industrial demonstration; current cost projections; what needs to be done to bring the technology to maturity.



#### **Carbon Market Policy Dialogue meeting**

10-24 September 2020 | Online | Workshop

The Carbon Market Policy Dialogue (CMPD) aims to facilitate enhanced international cooperation between Emissions Trading Systems regulators, namely the European Commission (DG Climate Action), California-Quebec, China, Switzerland and New Zealand within the framework of the LIFE DICET project. The first CMPD meeting project brought together academia, stakeholders and senior policymakers from different carbon markets worldwide, in a unique process for a fruitful exchange on carbon market integration. It was split into two online sessions: 10/09/2020 "Environmental ambition: scope, stringency, and policy mix",

24/09/2020 "Price control: volume- and price-based mechanisms".



### Carbon leakage prevention: free allocation and other measures

15 October 2020 | Online | Technical Workshop

Within the framework of the project LIFE DICET, the technical workshop delivered contents for the report on the Topic 3 of the Carbon Market Policy Dialogue and devoted a discussion on the preparation of the report. In particular, the discussion focused on how the ETSs in the CMPD differ from one another with respect to carbon leakage prevention and on the implications of heterogeneity in this dimension for different possible forms of their integration.



### **Environmental integrity and the use of offsets** 29 October 2020 | Online | Technical Workshop

Within the framework of the project LIFE DICET, the technical workshop delivered contents for the report on the Topic 4 of the Carbon Market Policy Dialogue and devoted a discussion on the preparation of the report. In particular, the discussion focused on how the ETSs in the CMPD differ from one other with respect to environmental integrity and what are the implications of heterogeneity in this dimension for different possible forms of their integration.



#### **FSR Climate Annual Conference 2020**

26-27 November 2020 | Online | Conference

The 6th FSR Climate Annual Conference took place online on 26-27 November 2020. The conference, which is a EAERE supported event, covered the main climate-related existing policies, at EU, national and international levels and included a Keynote Lecture from Paul Ekins, four Guest Speeches and sessions on Energy efficiency, Renewable policies, Environmental taxation, and Emissions trading.



#### Communities dealing with renewable energy

23 April 2020 | Online debate

This online debate addressed the issue by investigating, on the one hand, what energy communities do and offer to citizens and, on the other hand, how the EU and its member states treat energy communities.



#### The European Energy Transition: an agenda for the twenties

27 April 2020 | Online event

Book launch of the "European Energy Transition: an agenda for the Twenties" by Susanne Nies.



#### **Energy Network Innovation for Green Transition**

29 April 2020 | Online event

The first FSR-CSEI online debate discussed whether this age of low-cost capital and stimulus packages is the best time to heavily invest in tomorrow's energy networks and research infrastructure and how to enable such investment by energy network companies.



#### Innovation through regulatory experimentation

30 April 2020 | Online event

The first FSR-CSEI online debate focused on regulatory experimentation that allows regulators to become more proactive, dynamic, and responsive and find the right balance between enabling innovation and responsible risk management.



#### Facilitating interoperability of energy services in Europe

1 July 2020 | Online Even

In this online debate, we focused on existing experiences with interoperability: namely, the North American Green Button initiative for utility customer data; the ENTSO-E approach to support data exchange requirements related to European electricity market and system operation; and the long-standing experience with interoperability in the healthcare and eHealth sector.



#### In the shoes of an electricity transmission system operator

2 July 2020 | Online Event

FSR online talk on Power Flow Simulator. In this online event, Nicolò Rossetto (FSR) interviewed Timm Krägenow (Tennet) to discuss some of the most critical issues that electricity transmission system operators must take into account every day.



#### The future of electricity utilities

9 September 2020 | Online Event

In the first online event of the series, the FSR Director, Jean-Michel Glachant interviewed Ahmad Faruqui, Principal at Brattle Group in San Francisco. The topic of this debate is "The Future of Utilities".



#### **Enabling flexibility in electricity markets and networks**

16 September 2020 | Online Event

In this event, we shared the latest FSR insights on the flexibility debate. The event also included a panel of regulators who shared their country perspectives on these topics: Jørgen Tjersland (NVE-RME) and Pauline Ottoy (VREG).



#### Peer-to-peer energy: what is it? And is it legal?

14 October 2020 | Online Event

In this online event from the FSR Insights series, we explored the barriers to the development of peer-to-peer energy, including the legal ones.



### Defining moments and open issues in European electricity markets

9 December 2020 | Online Event

In this online event from the FSR Insights series, we provided with a teaser of the #EEME book: the Evolution of Electricity Markets in Europe.



### Wholesale energy markets: Gas & Electricity shaken by the virus

16 April 2020 | Online Event

The Covid-19 crisis has become a major economic crisis, in which the gas & electricity industries are facing unprecedented challenges with a deep fall in consumption and wholesale prices. We looked at the facts and the foreseeable consequences for the major stakeholders; be they consumers, producers or intermediaries, as seen from the wholesale markets, in the US and in the EU.



### The Plan for Europe's Recovery: opportunities for the energy sector

5 June 2020 | Online Event

The discussion with Ms. Juul Jørgensen, Director-General, Directorate-General for Energy focused on the place of the energy sector in the Recovery Plan, the chosen priorities and the best possible engagement with the stakeholders.



#### Revision of the TEN-E regulation: an academic perspective

23 June 2020 | Online Event

This online roundtable was a joint initiative of the Florence School of Regulation (FSR) and the Copenhagen School of Energy Infrastructure (CSEI), with support of the European Commission - Directorate-General for Energy. In the first roundtable, we assessed the experience with the implementation of the TEN-E Regulation and how it can be revised to be aligned with the new objective



### The regulation of hydrogen infrastructure: new wine in old bottles?

30 September 2020 | Online Event

This seminar focused on the future regulation of hydrogen infrastructure – what regulatory tools will be employed? Will it this infrastructure be regulated in a similar way to the natural gas and electricity networks? Organised by FSR as part of our new series 'FSR Debates' hosted by Leigh Hancher and Alberto Pototschnig.



## What is the optimal regulatory regime to connect offshore wind infrastructure to land?

28 October 2020 | Online Event

This seminar explored the potential regulatory regimes which could be employed to connect offshore wind farms to land, how such infrastructure should be treated from a regulatory perspective and the criteria to determine these measures.



#### What do we know about the costs of EU decarbonisation?

11 November 2020 | Online Event

In this online event, we took an in-depth look at the FSR research, focusing on EU Decarbonisation policies: the 2020, 2030 and 2050 frameworks, reviewing the costs of RES-E, and reviewing the costs of Hydrogen.



## Fostering synergies between the European Green Deal and European Gender Strategy

8 December 2020 | Online Event

This online event will feature a discussion with the leading policymakers championing the implementation of the European Green Deal, Vice President Frans Timmermans and Commissioner Kadri Simson, and Commissioner Helena Dalli in charge of the EU Gender Equality Strategy.



#### The EU Energy Sector: An Update on ECJ Case Law

3 April 2020 | Online event

This seminar concentrated on significant recent case law from the European Courts of Justice for the EU energy sector – examining the reasoning of these judgments and their wider implications for the sector. Organised by FSR Energy Union Law.



### Two Roads Diverged: A Study of State Aid to Nuclear in France and Germany

9 July 2020 | Online Event

This seminar explored the two different approaches to state support of the nuclear sector in France and Germany, with the former continuing to invest in the sector and the latter winding down the sector. What is the best path to reaching carbon neutrality?



### What is the Optimal Regulatory Regime to Connect Offshore Wind Infrastructure to Land?

28 October 2020 | Online Debate

This seminar explored the potential regulatory regimes which could be employed to connect offshore wind farms to land, how such infrastructure should be treated from a regulatory perspective and the criteria to determine these measures.



#### The Solidarity Principle and the Just Transition

16 November 2020 | Online Webinar

This webinar explored the notion of solidarity, which has recently gained traction in EU energy law owing to a recent judgment in the OPAL case. Could this principle, which previously had no concrete legal significance, now offer a gateway to enforcement of energy and climate action? Is a just transition realistic? What measures have been put in place to facilitate this? Organised by FSR Energy Union Law and Energy Community Secretariat as part of the Vienna Forum of European Energy Law.



#### The Vienna Forum on European Energy Law - Webinar 1

16 November – 23 November – 30 November – 7 December 2020 | Online Conference

The Vienna Forum on European Energy Law The Vienna Forum on European Energy Law is an annual joint initiative of the FSR Energy Union Law Area and the Energy Community Secretariat which aims to bridge the gap in energy debate between the EU and Energy Community.



#### The European Climate Law: Fit for Purpose?

23 November 2020 | Online Webinar

This webinar focused on the recently proposed European Climate Law, which was adopted in March 2020. We explored the content of the proposed legislation, the legal tools that have been proposed and the controversies it has generated, and the implications of such a measure across the sector, should it be passed into law. Organised by FSR Energy Union Law and Energy Community Secretariat as part of the Vienna Forum of European Energy Law.



#### **Update on ECJ Case Law: Round Two**

25 November 2020 | Online Event

This webinar considered the latest developments in ECJ case law, as a follow-up to our webinar earlier in the year. We weighed the most significant recent judgments in EU energy law and their repercussions for the sector at large.



#### **Carbon Pricing: The Silver Bullet for the Energy Transition?**

30 November 2020 | Online Webinar

This webinar focused on carbon pricing both in the EU and beyond its borders. We discussed the EU Emissions Trading System, evaluated its effectiveness thus far, before turning to the new proposals for an EU carbon border adjustment mechanism as part of the EU Green Deal – what this would mean, whether or not it is feasible, and how it could be devised to be compliant with WTO law. Organised by FSR Energy Union Law and Energy Community Secretariat as part of the Vienna Forum of European Energy Law.



## The Private Sector to the Rescue of the Energy Transition: ESG and the Role of Banks

7 December 2020 | Online Webinar

This webinar looked at the role of banks in the energy transition. We explored the implications of the EIB's new financing plan which will see it no longer finance fossil fuel projects and airport expansions but rather invest €1 trillion in climate action, biodiversity and sustainability-focused projects. We also examined the new Sustainability-Related Disclosure Regulation, which will come into force in 2021. How will these new rules impact renewable and sustainable investments? Organised by FSR Energy Union Law and Energy Community Secretariat as part of the Vienna Forum of European Energy Law.



#### Juridification and the EU Energy Sector - online seminar

11 December 2020 | Online Event

This online seminar focused on the role of lawyers in both the interaction and cases between TSOs and regulatory authorities in the EU. We explored the development of recent cases, the legal work, roles, and responsibilities and explore how lawyers could facilitate a greater level of efficiency and a degree of trust.



#### **Hydrogen: the Fuel of Energy Transition?**

19 February 2020 | Online event

In this 45' online talk, we discussed with Ronnie Belmans and Pieter Vingerhoets their new article titled "Molecules: indispensable in the decarbonized energy chain".



## How important should methane emissions be in the Green Deal Strategy?

25 February 2020 | Online event

The online debate moderated by Andris Piebalgs addressed pressing questions relating to EU strategies to deal with methane emissions expected in the early 2020s.



#### What outlook for the EU gas infrastructure?

6 March 2020 | Online event

The online debate with IEA, ARERA, and GRTgaz addressed the following questions: How could the recent European Investment Bank decision to stop financing the gas infrastructure after 2021 and the announcement of the European Green Deal influence the development of the new gas infrastructure in Europe? And what are the trends in non-European countries?



### Webinar 1: How can aerial measurements aid methane emissions reduction?

1 June 2020 | Online Even

This online event introduced the potential of satellites and other aerial measurement methods in detection, measurement, and abatement of methane emissions with a focus on technical potential, cost-effectiveness and the potential for widespread use.



### Webinar 2: How can aerial measurements aid methane emissions reduction?

8 June 2020 | Online Event

Following the first webinar on methane emissions, this online event focused on the impact of the satellites and other aerial measurements on regulatory regimes for methane and the role of regulation in further promoting these measurements.



#### Role of gas in the smart sector integration

16 June 2020 | Online Event

In the absence of the Madrid Forum, the FSR organised a webinar to look for the challenges and opportunities of this approach. Klaus-Dieter Borchardt, Deputy Director-General, DG Energy, European Commission, joined for the event and provided introductory comments.



## 9th Conference on the Regulation of Infrastructures: Sector Coupling. How to regulate convergence?

24-26 June 2020 | Online Event

The Conference on the Regulation of Infrastructures is the annual event that brought together all the Areas of the Florence School of Regulation.



## Renewable gases, hydrogen and power-to-gas | EU Sustainable Energy Week

29 June 2020 | Online Event

The Florence School of Regulation hosted one of the sessions of the EU Sustainable Energy Week, bringing together energy stakeholders and enthusiasts online to discuss the way forward for green recovery and growth.



### From 40 to 55%: evolution or revolution? Conversation with K.D. Borchardt

23 September 2020 | Online Event

On 16 September 2020, European Commission President von der Leyen at the State of the Union Address at the European Parliament announced the proposal to increase the 2030 target for emission reduction to at least 55%. What does it mean for the energy sector? We discussed it with the Deputy Director-General, DG Energy, Klaus-Dieter Borchardt.



## The enhanced use of Guarantees of Origin to support decarbonised gases

6 October 2020 | Online Event

In its role of EU Commission's Knowledge Partner for the Madrid Forum, FSR organised two online Debates devoted to Guarantees of Origin. This first Debate looked at the extent to which Guarantees of Origin could be used as the common basic instrument to support renewable gases.



#### The role of Research and Innovation in the green recovery

21 October 2020 | Online Event

How to accelerate the transition to a carbon-neutral energy sector, how to improve market uptake of research output, how to foster EU competitiveness and leadership in the global technological competition are the questions we addressed during the conversation with Hélène Chraye, Head of Unit 'Clean Energy Transition' at DG Research EC.



## Addressing methane emissions in the context of energy system integration: what climate value for gas?

23 October 2020 | Online Event

Addressing methane emissions in the context of energy system integration was the first joint webinar organised by the Florence School of Regulation and the Environmental Defense Fund.



#### Looking at Security of Supply through the new lenses of Energy System Integration

4 November 2020 | Online Event

FSR Talk with IEA with Gergely Molnar and Sylvia Beyer, IEA Hosted by Ilaria Conti, FSR Gas and Jean-Michel Glachant, FSR Director.



#### A fair governance for enhanced guarantees of origin

6 November 2020 | Online Event

Second debate devoted to Guarantees of Origin. In the first debate, we looked at the extent to which Guarantees of Origin (GOs) could become, if "upgraded', this 'common currency', and we raised, which should trigger an assessment of the current governance of the GOs and its features in this new role.



### The impact of the EU methane strategy on the natural gas market

4 December 2020 | Online Event

'The impact of the EU methane strategy on the natural gas market' is the second joint webinar organised by the Florence School of Regulation and the Environmental Defense Fund.



## COVID-19, global climate policy and carbon markets: expected impacts and possible solutions

7 May 2020 | Online event

The COVID-19 pandemic is having a dramatic impact on economic activities worldwide. This has both direct and indirect effects on greenhouse gas emissions and global warming. FSR Climate, in collaboration with the Policy Outreach Committee of EAERE, organised this online event to promote a more integrated dialogue between academia and policy world, providing advice and support to EU policy makers and institutions in designing policy interventions, which is particularly needed and urgent in these difficult times.



## FSR Talk "Carbon Leakage and Deep Decarbonization" with Christopher Kardish

2 December 2020 | Online Event

The event of the FSR Online series aims to present ICAP's report "Carbon Leakage and Deep Decarbonization: Future-proofing Carbon Leakage Protection" through a discussion with the author, Christopher Kardish. The report published in June 2020 provides a review of current efforts to assess the risk of carbon leakage and address it with relevant policies to strengthen decarbonization efforts in light of net-zero emissions targets.



#### **Linking Emissions Trading Schemes**

10 December 2020 | Webinar

The Linking Emissions Trading Systems webinar aimed to summarise the Carbon Market Policy Dialogue discussions about the relevance and challenges of linking emissions trading systems (ETSs). Following the Online Training, the objective of this webinar was to translate the research of the project LIFE DICET into learning and to bring it to a much wider audience. Special attention was devoted to the six ETSs represented in the Carbon Market Policy Dialogue (those of California, Quebec, EU, Switzerland, China and New Zealand) and to the research reports "Emissions Trading Schemes with different levels of environmental ambition: implications for linking" and "Emissions Trading Schemes with different price-control mechanisms: implications for linking".



## Carbon leakage prevention and use of offsets in carbon markets: state-of-play and implications for linking

15 December 2020 | Online Event

The second Online Debate of the project LIFE DICET discussed the state-of-play and the implications for carbon markets linking of heterogeneous provisions for carbon leakage prevention and use of offsets. The speakers discussed questions such as: how do the existing ETSs differ with respect to carbon leakage prevention and to the use of offsets? Can ETS linking, which tends to limit carbon price differentials with other economies, play a role in reducing carbon leakage? To what extent can the article 6 of the Paris Agreement facilitate ETS linking while as the same time supporting the use of offsets? What are the implications of heterogeneity in carbon leakage measures and in environmental integrity for different possible forms of their integration?



#### EV revolution: a power sector view on coupling with mobility

16 April 2020 | Online event

We are witnessing the beginning of the EV revolution that will greatly impact two key sectors: power and mobility. This FSR Global online debate explored where we go from here, discussing: how the rapid uptake of EVs will impact the power system in the near and long term future; key challenges and opportunities and how the global power sector is adapting to them, namely, opportunities such as Vehicle-to-Everything (V2X).



#### A Global View on Dynamic Tariffs

28 May 2020 | Online debate

Over the years, dynamic retail electricity tariffs (also known as time-varying tariffs) have been applied in varying forms around the globe, mostly for commercial and industrial consumers but increasingly also for residential consumers. In this debate, our panelists shared their insights and experiences in implementing dynamic tariffs around the world, covering the motivations, key choices that needed to be made, the barriers experienced, and the future outlook.



### Impact of COVID on the Power Sectors in Emerging Economies and Actions for Recover

16 September 2020 | Online Event

The impact of COVID-19 pandemic on the global economy as well as the society has been unprecedented, and the power sector is not immune. The long-term impact of the current situation will only become apparent with time, but policymakers have taken note of the fallout on the power sector and have started working on an action plan for a quick recovery. This webinar brought together leading experts from different emerging economies to provide insights on the similarities and divergence in the impact of COVID-19 on their power sectors as well as debate possible learning and synergies on post-COVID-19 recovery actions. **Online Event organised by IAEE and FSR Global.** 



#### Just Energy Transition: What is it and how do we go about it?

7 October 2020 | Online Event

FSR Global invited leading experts to discuss possible pathways towards a sustainable, low carbon and equitable energy system which is best for both people and the environment. Given the high levels of poverty and growing unemployment in the developing world, energy and climate policy must contribute to a development pathway that addresses these socio-economic challenges. The discussion highlighted various elements of a just energy transition on universal access to affordable and clean energy, corporate and business reform, the shift in ownership of energy, empowerment of workers and communities and environmental restoration.



#### **EU-India High-Level Platform on Smart Grids**

21 October 2020 | Online Event

FSR global has been pleased to chair the EU-India High-Level Platform on Smart Grids, established under EU-India Clean Energy and Climate Partnership (CECP), starting with its kick-off event this October. The EU-India High-Level Platform on Smart Grids brings together 30 key Senior Experts from the EU and India to discuss key opportunities and barriers for replication and upscaling of Indian smart grid projects. The platform identified leading smart grid projects to be considered as use cases from Europe and India to facilitate knowledge sharing between experts drawn from industry, academia, utilities and policymakers.



#### **Energy innovation week**

26-27-29 October 2020 | Online Event

The three Energy Innovation Week sessions explored the intersection between regulatory practice and policies to facilitate technological development in energy industries, aiming to define a framework that facilitates regulatory learning to realize financing of energy transitions.



#### Digitalization and long-term investment in energy assets

26 October 2020 | Online Event

Session 1 of the FSR Global Energy Innovation Week. Energy Innovation Week was comprised of 3 sessions, which intended to contribute the identification of common elements of the population of challenges that conform the current regulatory landscape, in order to define a framework that facilitates regulatory learning to realize financing of energy transitions.



## Public financing of green innovation: Matching offers and demand for financing

27 October 2020 | Online Event

Session 2 of the FSR Global Energy Innovation Week. Energy Innovation Week was comprised of 3 sessions, which intended to contribute the identification of common elements of the population of challenges that conform the current regulatory landscape, in order to define a framework that facilitates regulatory learning to realize financing of energy transitions.



## Mobilising private investment for green, climate-resilient energy assets: The role of innovation in finance

29 October 2020 | Online Event

Session 3 of the FSR Global Energy Innovation Week. Energy Innovation Week was comprised of 3 sessions, which intended to contribute the identification of common elements of the population of challenges that conform the current regulatory landscape, in order to define a framework that facilitates regulatory learning to realize financing of energy transitions.



### Sustainable Energy for All: a Conversation with Kandeh Yumkella

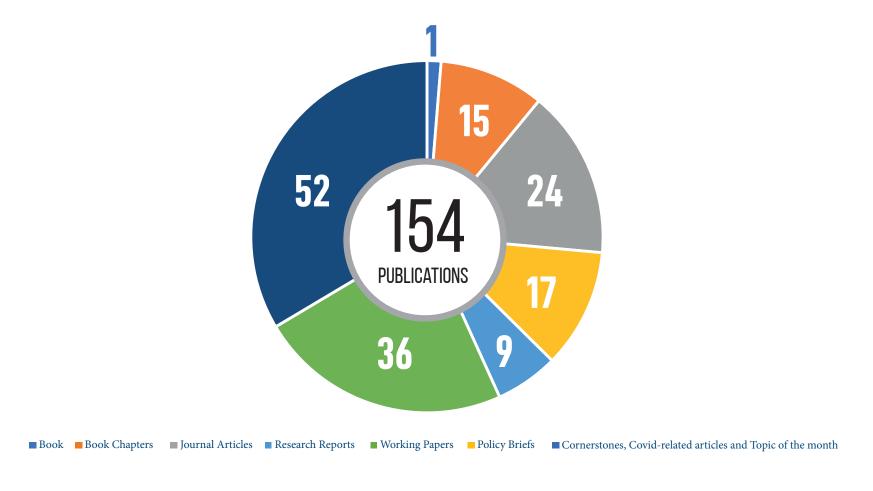
18 November 2020 | Online Event

In this episode of the FSR Conversations, Prof. Ignacio Perez-Arriaga (FSR, MIT), welcomed Kandeh Yumkella, founding CEO of the Sustainable Energy for All (SE4ALL) initiative and former Chair of UN-Energy. They reflected on the experience in mobilizing the Sustainable Energy for All initiative globally and the present priorities for Africa, discussing: the role and creation of SE4All, looking at the current challenges and what has been accomplished; the energy sector in Africa and the cooperation between Africa and the EU, focusing on the priorities; and capacity building in energy regulation in Africa, exploring the needs, challenges, opportunities.



### **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.



### BOOKS



#### The Evolution of Electricity Markets in Europe

**Author:** Leonardo Meeus

**Publisher:** Edward Elgar Publishing (160 pp.)

Bridging theory and practice, this book offers insights into how Europe has experienced the evolution of modern electricity markets from the end of the 1990s to the present day. It explores defining moments in the process, including the four waves of European legislative packages, landmark court cases, and the impact of climate strikes and marches.

### **BOOK CHAPTERS**



#### The future of EU Electricity Network Codes

Chapter 15, pp. 275-288

Authors: Leonardo Meeus, Athir Nouicer, Valerie Reif and Tim

Schittekatte

**Book:** European Energy Studies Volume XIV | The European

Energy Transition: An Agenda for the Twenties

**Editor:** Nies Susanne

Publisher: Claeys & Casteels Law Publishing



#### The ACER experience

Chapter 12, pp. 199-242

Author: Alberto Potoschnig

**Book:** European Energy Studies Volume XIV | The European

Energy Transition: An Agenda for the Twenties

Editor: Nies Susanne

Publisher: Claeys & Casteels Law Publishing



## Training for the energy transition: Community learning at Florence School of Regulation

Chapter 33, pp. 519-530

Authors: Leonardo Meeus, Jean-Michel Glachant

**Book:** European Energy Studies Volume XIV | The European

Energy Transition: An Agenda for the Twenties

**Editor:** Nies Susanne

**Publisher:** Claeys & Casteels Law Publishing



## Distribution network tariff design for behind-the-meter: balancing efficiency and fairness

Chapter 17, pp. 341-359

**Author:** Tim Schittekatte

**Book:** Behind and Beyond the Meter: Digitalization,

Aggregation, Optimization, Monetization

Editor: Fereidoon P. Sioshansi **Publisher:** Academic Press



#### Why did we start with electricity markets in Europe?

Chapter 1, pp. 2-24

Author: Leonardo Meeus and Valerie Reif

**Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar



#### Who gets the rights to trade across borders?

Chapter 2, pp. 25-47

**Author:** Leonardo Meeus and Tim Schittekatte

**Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar



#### How to calculate cross border constraints?

Chapter 3, pp. 48-67

**Author:** Leonardo Meeus and Tim Schittekatte **Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar

### **BOOK CHAPTERS**



#### Who pays for the network when trade is international?

Chapter 4, pp. 68-82

**Author:** Leonardo Meeus and Tim Schittekatte **Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar



#### Who is responsible for balancing the system?

Chapter 5, pp. 84-110

Author: Leonardo Meeus, Tim Schittekatte and Valerie Reif

**Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar



### How to organise system operation and grid connection requirements?

Chapter 6, pp. 111-134

Author: Leonardo Meeus and Valerie Reif

**Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar



#### How to ensure adequate investment in power plants?

Chapter 7, pp. 135-151

**Author:** Leonardo Meeus and Athir Nouicer

**Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar



#### How to put the citizen at the centre of the energy transition?

Chapter 8, pp. 153-162

Author: Leonardo Meeus and Athir Nouicer

**Book:** The Evolution of Electricity Markets in Europe

**Editor:** Leonardo Meeus **Publisher:** Edward Elgar



## Conclusions. TSO-DSO Interactions and Ancillary Services in Electricity Transmission and Distribution Networks

Conclusions, pp. 213-22

Authors: Migliavacca Gianluigi, Conti Ilaria

**Book:** TSO-DSO Interactions and Ancillary Services in Electricity Transmission and Distribution Networks - Modelling, Analysis,

and Case-Studies

Editors: Migliavacca Gianluigi

**Publisher:** Springer

### **BOOK CHAPTERS**



#### An introduction to sustainable consumption and the law

Chapter 1 pp. 1-12

Authors: Amaral Junior Alberto, Lucila de Almeida, Klein Vieira

Luciane

**Book:** Sustainable consumption: the right to a healthy

environment

Editors: Alberto do Amaral Junior, Lucila de Almeida, Luciane

Klein Vieira

**Publisher:** Springer



Looking back to look forward: a future research agenda for sustainable consumption, law and development Chapter 27 pp. 495-500

Authors: Amaral Junior Alberto, Lucila de Almeida, Klein

Vieira Luciane

**Book:** Sustainable consumption: the right to a healthy

environment

Editors: Alberto do Amaral Junior, Lucila de Almeida, Luciane

Klein Vieira

**Publisher:** Springer

### JOURNAL ARTICLES



## The Energy Journal | Least-cost distribution network tariffs in theory and practice

**Authors:** Tim Schittekatte, Leonardo Meeus

Vol. 41, Issue 5, pp. 97-133



### Utilities Policy | Flexibility Markets: Q&A with project pioneers

**Authors:** Tim Schittekatte, Leonardo Meeus

Volume 63, 2020, 101017, ISSN 0957-1787



## Energy economics |The welfare and price effects of sector coupling with power-to-gas

Authors: Roach Martin, Leonardo Meeus

Vol. 86, February 2020, 104708



## Oxford Energy Forum | The Future of Electricity Markets with Distribution Constraints

**Author:** Leonardo Meeus

September 2020, Issue 124, pp. 21-24



## Oxford Energy Forum | The European Electricity Network Infrastructure: building more vs using it better

**Author:** Alberto Pototschnig September 2020, Issue 124, pp. 13-17



# Springer Nature Article | Climate and energy policies after COVID-19, Perspectives on the Economics of the Environment in the Shadow of Coronavirus, Environmental and resource economics

Volume 76, 501-503, August 2020

Authors: Borghesi Simone, Delbeke Jos, Glachant Jean-Michel,

Pototschnig Alberto, Ranci Pippo



### **Energy Policy | Energy Systems Integration: Implications for public policy**

Authors: Cambini Carlo, Congiu Raffaele, Jamasb Tooraj, Llorca

Manuel, Soroush Golnoush

Vol. 143, August 2020, 111609



## The European Files | Smart integration requires and favours new business models

Author: Glachant Jean-Michel

N. 62, June/July 2020, p. 57



## Oxford Energy Forum | Greening the Covid-19 Recovery: Feasibility and Implementation Issues in the European Union

**Author**: Glachant Jean-Michel

Issue 123 - COVID-19 and the Energy Transition, July 2020, pp. 70-73

### **JOURNAL ARTICLES**



#### Climate Policy | Electrons meet molecules: Europe's gamechanging policy challenges

**Authors:** Bressand Albert, Jepma Catrinus, Piebalgs Andris (not published yet)



## Sprawy Międzynarodowe | How will the Energy Transition Impact the Major EU Natural Gas Suppliers?

Authors: Olczak Maria (accepted for publication)



Journal of economic surveys | The impact of the EU emissions trading system on competitiveness and carbon leakage: the econometric evidence

**Author:** Stefano F. Verde Volume 34, No. 2, 2020, pp. 320-343



The Scandinavian journal of economics | Outward foreign direct investments patterns of Italian firms in the EU ETS

**Authors:** Simone Borghesi, Chiara Franco, Giovanni Marin Volume 122, No. 1, 2020, pp. 219-256



### Economia Politica | Emission permits, innovation and sanction in an evolutionary game

**Authors**: Angelo Antoci, Simone Borghesi, Gianluca Iannucci, Paolo Russu

Volume 37, 2020, pp. 525-546



## **Environmental and resource economics | Climate and energy policies after COVID19**

**Authors**: Simone Borghesi, Jos Delbeke, Jean-Michel Glachant, Alberto Pototschnig, Pippo Ranci Volume 76, 2020, pp. 501–503



Strategic behavior and the environment | Getting married (and divorced): a critical review of the literature on (de) linking emissions trading schemes

Authors: Simone Borghesi, Tong Zhu

Volume 8, No. 3, 2020, pp. 219-267



Sustainability | Satisfied or reimbursed : an innovative indexbased mechanism for the environmental protection of a tourist region

**Author:** Simone Borghesi Volume 12 No. 21, 2020, 8762



Environment and Development Economics | The EU ETS and its companion policies: any insight for China's ETS?

**Author:** Stefano F. Verde, Giulio Galdi, Isabella Alloisio, Simone Borghesi

Forthcoming

## **JOURNAL ARTICLES**



Journal of Economic Dynamics and Control | Living in an uncertain world: Environment substitution, local and global indeterminacy

**Authors**: Angelo Antoci, Simone Borghesi, Marcello Galeotti, Mauro Sodini

Forthcoming, Available Online, May 2020, 103929



# Metroeconomica | (Dis)honest bureaucrats and (non) compliant firms in an evolutionary game

**Authors:** Angelo Antoci, Simone Borghesi, Gianluca Iannucci Forthcoming, Available Online, October 2020, 12322



# Journal of Cleaner Production | Global virtual water trade of avocado

**Authors**: Dario Caro, Arianna Alessandrini, Fabio Sporchia, Simone Borghesi

Forthcoming, Available Online, November 2020, 124917



Economia Politica | Increasing the ambition of the EU Nationally Determined Contribution: lessons from a survey of experts and students

**Authors**: Isabella Alloisio, Simone Borghesi, Francesco Nicolli Forthcoming, Available Online, August 2020



Macroeconomic Dynamics | Don't feed the bears! Environmental defensive expenditures and species-typical behavior in an optimal growth model

**Authors:** Angelo Antoci, Simone Borghesi, Paolo Russu Forthcoming, Available Online, June 2019



Energy Policy | The impact of the generation mix on the current regulatory framework for hydropower remuneration in Brazil

BGF Machado, PC Bhagwat

Volume 137, 2020, 111129, ISSN 0301-4215,

## **POLICY BRIEFS**



Making the TEN-E regulation compatible with the Green Deal: eligibility, selection, and cost allocation for PCIs

**Authors:** Tim Schittekatte, Alberto Pototschnig, Leonard Meeus, Tooraj Jamasb and Manuel Llorca



The Importance of a Sound Bidding-Zone Review for the Efficient Functioning of the Internal Electricity Market

Author: Alberto Pototschnig

Authors: Valerie Reif, Leonardo Meeus



Peer-2-Peer in the Electricity Sector: an Academic Compass in the Making

Author: Jean-Michel Glachant



Greening the Covid-19 Recovery in the European Union

Author: Glachant Jean-Michel



**Emergency Measures to Protect Energy Consumers During** the Covid-19 Pandemic: Global Review and Critical Analysis

Authors: Paolo Mastropietro, Pablo Rodilla, Carlos Batlle



Regulatory Experimentation in Energy: Three Pioneer Countries and Lessons for the Green Transition

Authors: Tim Schittekatte, Leonardo Meeus, Tooraj Jamasb,

Manuel Llorca



**Energy Network Innovation for Green Transition: Economic Issues and Regulatory Options** 

**Authors:** Tooraj Jamasb, Manuel Llorca, Leonardo Meeus, Tim Schittekatte



Towards bottom-up approach to European Green Deal: lessons learned from the Baltic gas market

Authors: Belyi, Andrei, V., Piebalgs Andris



How many shades of green? : an FSR proposal for a taxonomy

of 'renewable' gases
Authors: Conti llaria



Methane Emission Reduction - An Important Step in
Strengthening the Sustainability Dimension in Gas Network
Companies

Authors: Olczak Maria, Piebalgs Andris



Satellite and other aerial measurements – a step change in methane emissions reduction?

Authors: Olczak Maria, Piebalgs Andris, Jones Christopher



A Proposal for A Regulatory Framework for Hydrogen Guarantees of Origin

Authors: Piebalgs Andris, Jones Christopher

## POLICY BRIEFS



Achieving zero emissions under a cap-and-trade system

**Authors:** Stefano F. Verde, William Acworth, Christopher Kardish, Simone Borghesi



Emissions trading systems with different levels of environmental ambition: implications for linking

Authors: Stefano F. Verde, Giulio Galdi, Simone Borghesi, Albert

Ferrari

To be published



Emissions trading systems with different price control mechanisms: implications for linking

Authors: Giulio Galdi, Stefano F. Verde, Simone Borghesi, Albert

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Dynamic retail electricity tariffs: choices and barriers

Authors: Pradyumna Bhagwat, Samson Hadush

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#### The EU electricity network codes (2020 ed.)

Technical Report June 2020

Authors: Tim Schittekatte, Valerie Reif, Leonardo Meeus



#### The EU Clean Energy Package (2020 ed.) | Nov 2020

Authors: Athir Nouicer, Anne-Marie Kehoe, Jana Nysten, Dörte Fouquet, Leigh Hancher, Leonardo Meeus



#### The Future of Renewable Energy Communities in the EU - An investigation at the time of the Clean Energy Package

Technical Report August 2020

Authors: Verde Stefano, Rossetto Nicolò



#### **Cost-effective decarbonisation study**

Research Report November 2020

Authors: Andris Piebalgs, Christopher Jones, Piero Carlo dos Reis, Golnoush Soroush, Jean-Michel Glachant



#### The EU Electricity Network Codes and Guidelines: A Legal **Perspective**

Jan 2020

Authors: Leigh Hancher, Anne-Marie Kehoe, Julius Rumpf



#### Informing the carbon market policy dialogue: the emissions trading systems at a glance

Authors: Giulio Galdi, Stefano F. Verde, Isabella Alloisio, Simone Borghesi, Jürg Füssler, Ted Jamieson, Bettina Schäppi, Emily Wimberger, Li Zhou



Emissions trading systems with different price control mechanisms: implications for linking - Report for the Carbon **Market Policy Dialogue** 

**Authors:** Giulio Galdi, Stefano F. Verde, Simone Borghesi, Jürg Füssler, Ted Jamieson, Emily Wimberger, Li Zhou



Green hydrogen: bridging the energy transition in Africa and Europe

**Authors:** Swetha RaviKumar Bhagwat, Maria Olczak

## **WORKING PAPERS**



Cost-reflective network tariffs: experiences with forward looking cost models to design electricity distribution charges

Authors: Leonardo Meeus, Niels Govaerts, and Tim Schittekatte



The economics of explicit demand-side flexibility in distribution grids: the case of mandatory curtailment for a fixed level of compensation

July 2020 (RSCAS 2020/45)

Authors: Athir Nouicer, Leonardo Meeus, Erik Delarue



Regulatory Experimentation in Energy: Three Pioneer Countries and Lessons for the Green Transition

October 2020 (CSEI Working Paper 2020-16)

**Authors:** Tim Schittekatte, Leonardo Meeus, Tooraj Jamasb, Manuel I Jorca



**Energy Network Innovation for Green Transition: Economic Issues and Regulatory Options** 

October 2020 (CSEI Working Paper 2020-15)

**Authors:** Tooraj Jamasb, Manuel Llorca, Leonardo Meeus, Tim Schittekatte



Single Interconnectors and Congestion Management Challenges: The Legal Framework?

November 2020

Authors: Julius Rumpf, Leigh Hancher



HydrogenTechnology Workshop Summary

July 2020

**Authors:** Čeković Ivana, Conti Ilaria, Jones Christopher, Piebalgs Andris



Upgrading Guarantees of Origin as an instrument to promote the achievement of the EU renewable energy target at least costs

Authors: Conti Ilaria, Pototschnig Alberto

(not published yet)

## **OTHERS**



RiEnergia | PNIEC e rinnovabili elettriche: la sfida degli investimenti

Author: Rossetto Nicolò



Epilogue | in Sioshansi F. (ed.), Behind and Beyond the Meter. Digitalisation, Aggregation, Optimization, Monetization,

Academic Press - Elsevier, London, pp. 411-414

Author: Glachant Jean-Michel



Book Review | Decentralised Energy - A global Game

Changer

EEEP, Volume 9, No. 2, 2020, pp. 219-220

Author: Glachant Jean-Michel



RiEnergia | Gas, un supporto indispensabile per gli obiettivi climatici dell'Europa

Author: Conti Ilaria



Biznes Alert.pl | Jak nowa strategia metanowa wpłynie na dostawy gazu do UE (ANALIZA)

English version

Author: Olczak Maria



Biznes Alert.pl | Czy Unia potrzebuje celu redukcji emisji metanu?

**English version** 

Author: Olczak Maria



Biznes Alert.pl | Unijna strategia metanowa. Jakich zmian można się spodziewać? (ANALIZA)

Author: Olczak Maria



Cuadernos de Derecho para ingenieros | Consumers as a central focus in the new electricity market regulations

Author: Piebalgs Andris

(not published yet)



World Energy | Is hydrogen the right answer for the EU Green
Deal in times of COVID-19

**Author**: Piebalgs Andris

(not published yet)



**European Energy Innovation | Methane Emissions Reduction** 

**Author:** Piebalgs Andris, Olczak Maria

(not published yet)



**EnergyPost | Can emissions trading work without Article 6 of the Paris Agreement?** 

Author: Isabella Alloisio

# **OTHERS**



LIFE DICET blog post | The LIFE DICET project: Life will tell...

**Author:** Simone Borghesi



LIFE DICET blog post | The EU ETS in the era of the European Green Deal

Author: Isabella Alloisio



LIFE DICET blog post | COVID-19, climate policy and carbon

markets

**Author:** Simone Borghesi



LIFE DICET blog post | COVID-19 as a test for the Market Stability Reserve

Author: Giulio Galdi



LIFE DICET blog post | The Innovation Fund: a key instrument to achieve a climate neutral Europe by 2050

Author: Isabella Alloisio



Euractiv.it | COVID-19 e Clima: la tempesta dopo la quiete Author: Giulio GaldiLIFE DICET blog post | Will coal power the post-corona economy?

Author: Giulio Galdi



LIFE DICET blog post | Trump vs California round 1: A dive into the legal case on the linkage between the carbon markets of California and Québec

Author: Albert Ferrari



LIFE DICET blog post | The EU ETS at a crossroads: The MSR review as a defining moment

Author: Michael Pahle, Simon Quemin



LIFE DICET blog post | The update of the EU NDC and growing EU climate ambition

Author: Isabella Alloisio



LIFE DICET blog post | Report 0: LIFE DICET's Emissions Trading Systems at a glance

**Author:** Albert Ferrari



LIFE DICET blog post | Getting Married (and Divorced): An article on (De)linking Emissions Trading Schemes

**Author:** Tong Zhu



LIFE DICET blog post | The EU Border Carbon Adjustment: how to make it viable?

**Author:** Isabella Alloisio

## **OTHERS**



# LIFE DICET blog post | Towards the Emission Trading System in Mexico

Author: Simone Lucatello



LIFE DICET blog post | Linking emissions trading systems: are price collars the way forward?

Author: Stefano F. Verde



SDG7: Mobilising youth to achieve energy for all

**Author:** WAME



The Road to Modernizing Brazil's Energy Industry

Author: Camila Schoti



Approaching electrification in last-mile communities with a gender perspective

Author: Rita Chiara Mele



From Structures to Services: The Path to Better Infrastructure in Latin America and the Caribbean

Author: Tomás Serebrisky



# Highlights of EU Energy Law and Policy: an audio-visual e-book

Authors: Leigh Hancher, Anne-Marie Kehoe, Kaisa Huhta

**Publisher:** European University Institute (15 pp.)

In an effort to reframe how we communicate research and critical thinking, the purpose of this publication is to provide an open-access e-book which guides you through the significant issues currently at play in EU energy law and policy, connecting the dots between several online initiatives of the Energy Union Law Area and contextualising the material in the wider framework of EU law. The materials span a range of media, drawing from our webinar series, our long-form podcast series, our video lectures, and a selection of our publications, each of which acts as an 'e-chapter' which gives an in-depth insight into a development in the field. This publication is intended to be a living document which will evolve with the changing narrative of EU energy law and policy.

## TOPIC OF THE MONTH



**Electric Vehicle Charging Policy In India** 

**Author:** Pradyumna Bhagwat

**Electric Vehicles And Sustainable Development In Spain** 

Author: Pablo Frías Marín

**Electromobility In Latin America And The Caribbean** 

**Author:** Daniel Schmerler Vainstein

**Electro-Mobility And Public Policy In LAC** 

**Author:** Daniel Schmerler Vainstein

**Access To Electric Vehicles Data For Smart Charging** 

Author: Paul Codani



**Community-Led Renewable Energy Initiatives** 

Authors: Nicolò Rossetto. Stefano Verde

Renewable Energy Cooperatives: The Case Of Enostra

**Author:** Stefano Verde

The Advent Of Collective Self-Consumption: The French

Case

Author: Stefano Verde



The Challenge Of Net Zero

**Author:** Joe Perkins

The Regulator's Role And The Dilemmas We Face

**Author:** Joe Perkins

**Net Zero: Translating Political Will Into Action** 

**Author:** Joe Perkins



Covid-19: An Accelerator Or A Stopper Of Decarbonisation?

Author: Ilaria Conti

China, Still The Most Interesting Gas Market Worldwide?

**Author:** Matteo Tanteri

Rendez-Vous At \$2/Mmbtu: Gas Benchmarks At Record **Lows Amid The Lockdown** 

**Author:** Gergely Molnar

'Clean Hydrogen' In The Global Energy Transition - Any Sign Of An International Market?

**Author:** Piero Carlo Dos Reis

Fight Against Methane Emissions - The Example Of Canada

**Authors:** Maria Olczak, Andris Piebalgs

## TOPIC OF THE MONTH



**Changes In Brazil's Generation Mix** 

**Author:** Alex Sandro Feil

The Role Of Natural Gas In Brazil's Energy Mix

Author: Alex Sandro Feil

**Incentives For Distributed Generation In Brazil** 

Author: Alex Sandro Feil

**Electromobility In Brazil: Lithium Versus Ethanol** 

Author: Alex Sandro Feil



Status Quo Of Renewable Gas Markets In The EU

Author: Tara Amirkhizi

**Biomethane In The Renewable Energy Directive** 

**Author:** Tara Amirkhizi

The Biomethane Target Model

Author: Tara Amirkhizi

**Towards A Common European Biomethane Market** 

Author: Tara Amirkhizi



**EU Commission Labour I: Establish High Standards In Reporting Methane Emissions** 

Authors: Andris Piebalgs, Maria Olczak

Labour II: Design Measures To Achieve Substantial Emissions Reduction In The Energy Sector

Authors: Andris Piebalgs, Maria Olczak

Labour III: Include Methane Emissions From Agricultural And

Waste Sectors In Circular Economy Authors: Andris Piebalgs, Maria Olczak

Labour IV: Build Broad Global Coalitions In Fighting Methane

**Emissions** 

Authors: Andris Piebalgs, Maria Olczak



Implementing Dynamic Tariffs For Electricity Retail: Choices And Barriers

**Author:** Pradyumna Bhagwat

The Spanish Experience With Dynamic Tariffs

**Authors:** Nicolás Morell, Jose P. Chaves And Tomás Gómez

The Swedish Experience with Dynamic Retail Tariffs

**Author:** Therese Hindman Persson

Time of Use and Dynamic Pricing Rates in the US

Author: Ahmad Faruqui

## COVID OPINION ARTICLES



#### Identifying impacts of COVID-19 on the Indian power sector

**Author:** Pradyumna Bhagwat

This article identifies the early impacts of the COVID-19 to create a basis for future discussion to aid in mitigating adverse effects and better preparing the power sector for such events in the future.



# Looking at COVID-19 crisis from the EU electricity wholesale market

**Author:** Emmanuel Clair

Some thoughts on implications of Covid-19 on energy, from an experienced trader's point of view.



#### **COVID-19 and the Brazilian Electricity Sector**

**Author:** Alex Sandro Feil

What is the impact of COVID-19 on the Brazilian electricity sector and where do we go from here?



#### A note on energy policies for sustainability after COVID-19

**Authors:** Simone Borghesi, Jean-Michel Glachant, Alberto Pototschnig, Pippo Ranci

Covid-19 is changing the scenarios on which most policies were based, including those in the fields of energy and the environment.



# Measures to tackle the COVID-19 outbreak impact on energy poverty

Author: Carlos Batlle

Preliminary analysis based on the Italian and Spanish experiences



#### The Tunisian power system and the COVID-19 pandemic

Authors: Athir Nouicer, Asma Dhakouani

What impact will COVID-19 pandemic have on the Tunisian power system?

## COVER THE BASICS

#### Cover the basics articles serve different purposes:

- building internal linkages between our online content (through hyperlinks)
- attract a less knowledgeable (and younger) audience with simpler content
- use trending keywords to rank better on the web

**EU Electricity Network Codes** 

**Regulatory Models in the Power Sector** 

**EU Gas Network Codes** 

The European Green Deal

The TEN-E Regulation

The Clean Energy for all Europeans Package

**National Energy and Climate Plans (NECPs)** 

Unbundling in the European electricity and gas sectors

**Electric Vehicle Charging** 

**Methane Emissions** 

**Electricity markets in the EU** 

Renewable Energy in the European Union

**Hydrogen in the Energy Transition** 



## VIDEOS



Interview Fereidoon Sioshiansi and Tim Schittekatte
Electricity distribution network tariffs for behind-the-meter:
balancing efficiency and fairness

Interview: Fereidoon Sioshiansi and Jean-Michel Glachant **Behind and beyond the meter** 

Topic of the Month

Citizens taking the initiative
Where is the Brazilian Electricity Sector heading?

Online Debate

**Communities Dealing with Renewable Energy** 

Online recording

Energy Network Innovation for Green Transition Innovation through regulatory experimentation Facilitating interoperability of energy services in Europe In the shoes of an electricity transmission system operator The future of electricity utilities Enabling flexibility in electricity markets and networks Peer-to-peer energy: what is it? And is it legal?



Interview

Susanne Nies and Klaus-Dieter Borchardt: From the first package to the Clean Energy Package

Promo

FSR is online with you

New FSR online event series: Talks, Insights, Conversations, and Debates

Annual Training on the Regulation of Energy Utilities | online course 2020-21

Online event

The plan for Europe's recovery - conversation with Ditte Juul Jørgensen

Online recording

Revision of the TEN-E regulation: an academic perspective

FSR Annual Conference 2020

**Presentation by Fanny Vanrykel** 

**Presentation by Alessandro Bruni** 

**Presentation by Günter Knieps** 

Presentation by Virág Balogh

**Presentation by Charlotte Ducuing** 

Presentation by Aldo Bischi and

**Matteo Pozzi** 

Presentation by Linus J. Hoffmann

Presentation by Pier Luigi Parcu and Niccolò Innocenti

**Presentation by Colin Nolden** 

**Presentation by Johannes Brauer** 

**Presentation by Edson Daniel Lopes Gonçalves** 

Jean-Michel Glachant and Alejandro Hernandez

The concept of security in the evolving energy landscape

## VIDEOS



Online webinar recording

The EU Energy Sector An Update on ECJ Case Law Two Roads Diverged: A Study of State Aid to Nuclear in France and Germany

Online recording

The regulation of hydrogen infrastructure: new wine in old bottles?

Online debate recording

What is the optimal regulatory regime to connect offshore wind infrastructure to land?



FSR Online Talk

**Hydrogen - the Fuel of Energy Transition?** 

Online debate recording

How important should methane emissions be in the Green Deal Strategy?

Online event recording

What outlook for the EU gas infrastructure?

How can aerial measurements aid methane emissions reduction?

Webinar 2: How can aerial measurements aid methane emissions reduction?

Understanding renewable gases, hydrogen and power-to-gas FSR Conversation with Klaus-Dieter Borchardt

The enhanced use of Guarantees of Origin further to support decarbonised gases

FSR Conversation with Hélène Chraye

Addressing methane emissions in the context of energy system integration

Security of Supply through the new lenses of Energy System Integration



Online Workshop

The case for Steam Methane Reforming and CCS Questions and Concluding remarks

The case for Pyrolysis

The role of renewable and decarbonised hydrogen in the EU's future energy mix

Opening comments Christopher Jones, Part time Professor, EUI

Renewable Hydrogen

Interview

Making the invisible visible: Dr. S. Hamburg & Prof. I. Aben Dr Robert Kleinberg | Successful regulation is a result of a negotiation

Kate Konschnik | Regulatory approaches to methane mitigation and aerial measurements

#### Online recording



EV revolution: a power sector view on coupling with mobility Global view on dynamic tariffs

Where is the Brazilian Electricity Sector heading?
Observations on four issues | Topic of the Month
Just Transition: what it means in the developing countries
Digitalization and long-term investment in energy assets
Public financing of green innovation: Matchmaking of offers
and demand for financing

Mobilizing private investment for green, climate-resilient energy assets

Sustainable Energy for All: A Conversation with Kandeh Yumkella

# VIDEOS



Online event recording

The European Energy Transition: an agenda for the twenties COVID-19, global climate policy and carbon markets Views from Dirk Forrister, IETA | Article 6 of the Paris Agreement and ETSs linkages: the role of price control mechanisms

Views from Michael Pahle, PIK Postdam | Environmental ambition: to link or not to link?

### **PODCASTS**



A global observatory on new energy models

Alexandra Schneiders (University College London)

The future of prosumers: beyond individual self-consumption?

Donal Brown (University of Leeds)

Five keys to understand the current power system

Jean-Michel Glachant



Community energy: an organisation concept rather than a set of activities

Josh Roberts (REScoop)



State Aid to Hinkley Point: An Update

Leigh Hancher

State Aid Control: The Case of the EEG 2012

Max Klasse

**Electricity Storage in EU Energy Law: A Focus on the Clean Energy Package** 

Ruven Fleming

The Baltic Cable Case

Leigh Hancher

**COVID - 19 Temporary State Aid Framework** 

Clemens Ziegler

The OPAL Case And The Solidarity Principle

Kim Talus



The Role Of The Energy Solidarity Principle And FDI Screening In EU Energy Law & Policy

Leonie Reins

The Changing Role Of DSOs In The Clean Energy Package A Member State's Perspective

Elina Hautakangas & Tatu Pahkala

The Role of the LULUCF and Effort-Sharing Regulations in EU's Clean Energy Transition

Seita Romppanen

Upcoming in 2020 State Aid and Coal: The Cases of the Netherlands and Germany The Irish Climate Case The Greenpeace v KLM case EU Foreign Investment Control

FSR-BNFT7A Podcast Series



Hydrogen in the energy transition

Sébastien Douguet

**US Methane emissions regulations** 

Robert L. Kleinberg, Boston / Columbia University

LNG And The EU Green Deal

Jonathan Stern

## **PODCASTS**



Season 2

# Should The State Own Critical Infrastructure To Deliver The Energy Transition

Sonya Twohig

#### The Future of Carbon Pricing in the Energy Transition

Auke Lont

#### **The Geopolitics Of Renewables**

Andris Pielbags

# Planet Tech- What can start ups bring to the monolithic world of utilities

Elena Bou

#### Are Utilities Up To The Challenge?

Antonio Mexia

#### **Capture Rapture**

Mechthild Worsdorfer

#### How will policy & innovation drive the EU Green Deal?

Commissioner Kadri Simson (Part I)

#### The making of a just energy transition

Commissioner Kadri Simson (Part II)

#### **Green Recovery For Europe**

Leonardo Meeus, Georg Zachmann and Ditte Juul Jørgensen



## LIGHTS ON WOMEN

#### Highlights of 2020



#### The Lights on Women Energy Expert List

To mark the third anniversary of the Lights on Women, the initiative launched the Energy Expert List. The Energy Expert List will serve as a tool to help the FSR improve gender diversity and inclusion in the FSR's Knowledge Hub and activities, allowing us to further facilitate knowledge exchange of new and unique perspectives, and unlock a diverse, global talent pool.

#### 2nd Lights on Women Scholarship

The annual Lights on Women scholarship aims to support motivated early- or mid-career women in their professional advancement with new or strengthened capabilities by providing free access to one of the FSR online courses (of their choice) starting in Autumn 2020. The 2nd Lights on Women Scholarship by the FSR offers four scholarships to women contributing to innovative energy solutions, research and initiatives that accelerate the energy transition.



# Scholarship: Women Accelerating the Energy Transition in LAC

Building on our collaboration with the Inter-American Development Bank, the FSR Lights on Women Initiative and IDB partnered to provide 20 scholarships for women Accelerating the Energy Transition in Latin America and the Caribbean.

#### Online Articles



Swetha Bhagwat talks one year of FSR Global

Nov 5, 2020

From waste to a waste-to-energy model in Nepal

Sep 11, 2020

A Sustainable Approach to Mining in Peru

Aug 25, 2020

2nd Lights on Women Scholarship — Meet the recipients!

Aug 5, 2020

The Road to Modernizing Brazil's Energy Industry

May 22, 2020

Approaching electrification in last-mile communities with a

gender perspective

Apr 24, 2020



Gas infrastructure: the road ahead

Jul 23, 2020

# LIGHTS ON WOMEN



# **EU Electricity Markets with Ambitious Renewable Participation**

Jul 16, 2020



Local government innovation in the energy sector

Jun 9, 2020



Nine women shaking up the sustainability, energy and climate sectors

Mar 9, 2020

Commissioner Simson on gender equality and the EU Green Deal

Feb 20, 2020

