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ROBERT
SCHUMAN
CENTRE FOR
ADVANCED
STUDIES

FSR ENERGY
Florence School of Regulation

The Florence School of Regulation Energy & Climate

4 February 2020

FSR is an established Global Knowledge Platform...



Take a walk with us!

FSR Energy & Climate



Florence School of Regulation – **Where we are** Villa Schifanoia



Florence School of Regulation

Founded in 2004

Delivers high-quality and relevant academic thinking on EU policy and regulation.

Energy & Climate | Comms & Media | Transport | Water



Pippo Ranci

*Universita Cattolica Milan,
co-founder of Council of European Energy
Regulators (CEER) and former chairman of the Italian
Regulatory Authority*



Ignacio Perez-Arriaga

*Massachusetts Institute of Technology (MIT),
Comillas Pontifical University*



Jorge Vasconcelos

*NEWES - New Energy Solutions,
co-founder of Council of European Energy
Regulators (CEER)*

FSR Energy

from 2004 to 2019



2004 - 2008
Director of FSR:
Pippo Ranci



2008
New Director of FSR,
Loyola de Palacio Chair:
Jean-Michel Glachant



2010
New EU Energy Law
and Policy Area, directed
by Leigh Hancher



2014
Director FSR Climate
Xavier Labandeira



2017
Gas Area



2019
FSR Global

2004

2006

2008

2010

2012

2014

2016

2017

2018

2019



2010
New FSR Climate
Area, directed by
Denny Ellerman



2016
Universal Access to
Energy Area



2017
Director FSR Climate
Simone Borghesi

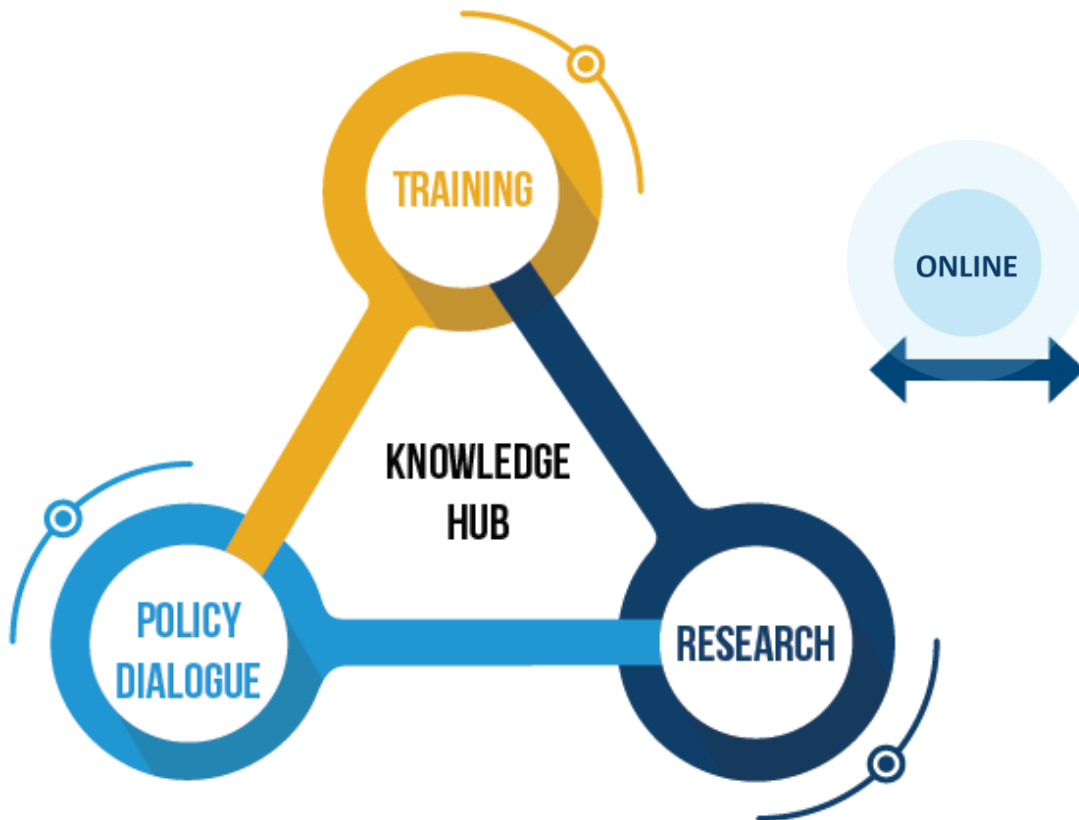
Our mission

FSR Energy brings together the worlds of academia and practice.

We carry out applied research, innovative training and policy dialogue with the purpose of developing economically and socially sound energy regulation and policy for Europe and worldwide.



Who we are and what we do



Regulators



Policy Makers

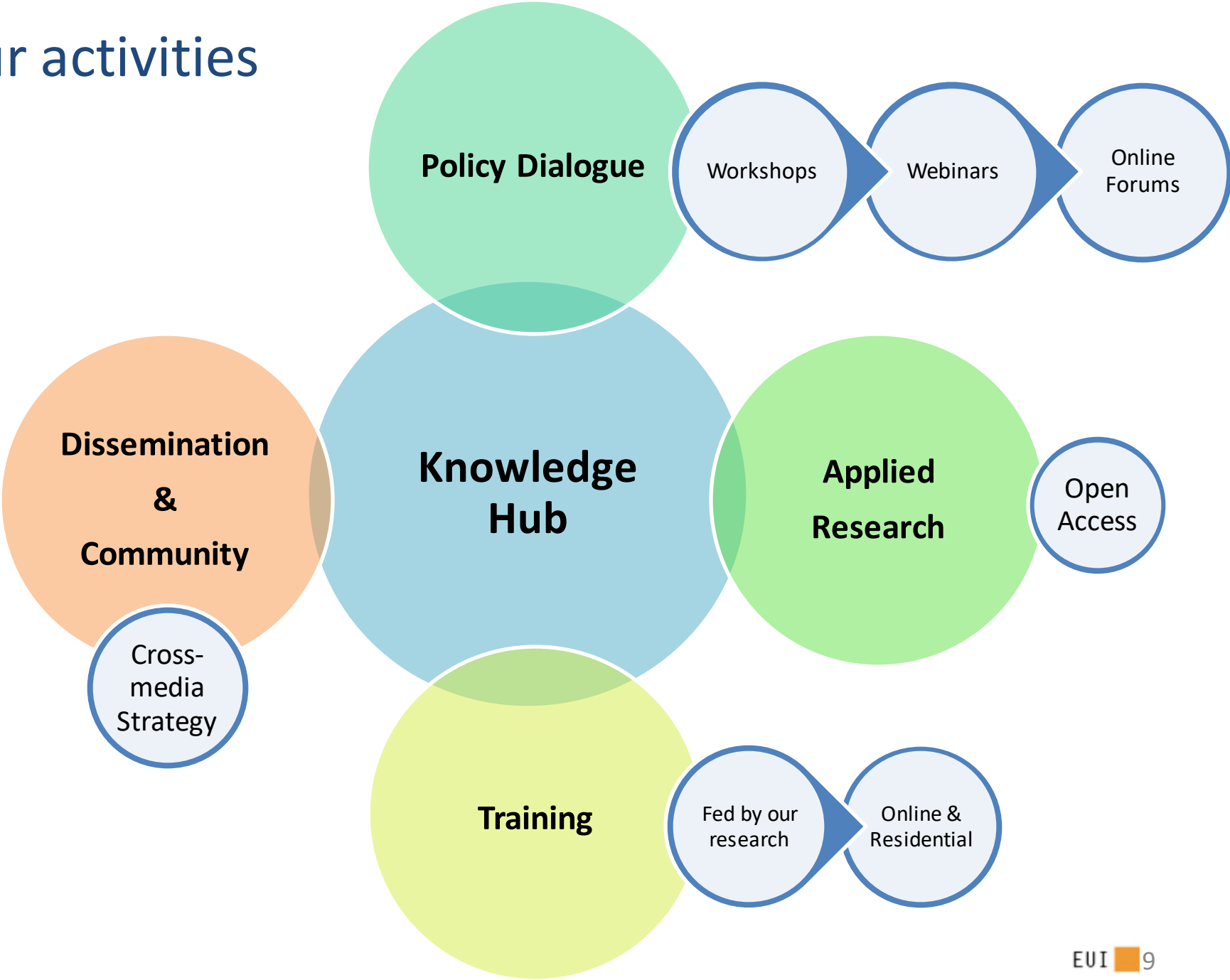


Academia



Industry

Our activities

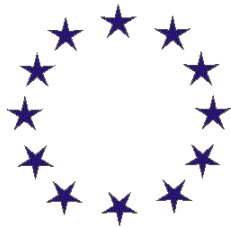




Connecting stakeholders



Energy Regulators



European Commission



Companies



Donors



Academics

FSR Donor Network

Major Donors



Associate Donors



Recent successful stories



FSR Global Forum,
March 2019

MoU signing with
F. La Camera,
Director of IRENA



SECTOR COUPLING KNOWLEDGE HUB

SECTOR COUPLING



NEWS

FSR to support Madrid Forum
debate on sector coupling

ENERGY POLICY



EVENT HIGHLIGHTS

Sector Coupling 2.0: Power-to-Gas
in the EU decarbonisation strategy

Sector coupling platform in
collaboration with European
Commission, 2019



FSR Policy Advisory Council, December 2019



Book launch with Jos Delbeke,
former Director-General DG CLIMA

The Team



FSR Research



ROBERT SCHUMAN CENTRE FOR ADVANCED STUDIES

Issue 2019/07
April 2019



How far should the new EU Methane Strategy go?

By Maria Olczak and Andris Piebalgs,
Florence School of Regulation

Highlights

- The decarbonisation of the EU economy requires immediate action to avoid methane emissions. Methane is a potent greenhouse gas (GHG), but if captured, it provides economic value to energy production.
- The EU efforts to decarbonise its energy system have so far mostly been concentrated on CO2 emissions mitigation. The Regulation (EU) 2018/1999 on the Governance of the Energy Union requires the European Commission to propose the EU strategic plan for methane, which will become an integral part of the EU long-term climate strategy.
- Methane emissions accounted for 11% of total EU GHG emissions in 2016 with agriculture, waste and energy sectors as the major sources. Since the mid-1990s methane emissions have been decreasing, partly due to the adoption of the first EU methane strategy published in 1996. However, the 1996 strategy was not a complete success, since it failed to bring about the expected level of emission cuts.
- Based on the analysis of lessons learned, the authors propose that the new EU methane strategy should adopt a new approach based on:
 - a more transparent framework at international, EU and national levels;
 - better coordination of policy measures targeting emissions in agriculture, waste and energy sectors, given that captured methane is a source of energy;
 - setting a EU methane intensity target, which could be included in the revised EU climate pledge – Nationally Determined Contribution – which needs to be submitted by 2025;
 - cooperation with key EU gas suppliers to obtain accurate estimates of gas industry emissions across the entire gas supply chain. It is important that these data are aggregated not only at a corporate, but also a national level to ensure that national policies and regulations are based on accurate methane estimates.

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ROBERT SCHUMAN CENTRE FOR ADVANCED STUDIES

CHARGING UP INDIA'S ELECTRIC VEHICLES

INFRASTRUCTURE DEPLOYMENT & POWER SYSTEM INTEGRATION

RESEARCH REPORT

OCTOBER 2019

AUTHORS
 PRADYUMNA BHAGWAT
 SAMSON YEMANE HADUSH
 SWETHA RAVI KUMAR BHAGWAT

ADVISORS
 Pablo Pizarro Marin
 Tomàs Gómez
 Jean-Michel Glachant
 Yannick Pérez



ROBERT SCHUMAN CENTRE FOR ADVANCED STUDIES

Issue 2019/16
October 2019



Energy Priorities for the Von der Leyen Commission

By Christopher Jones, Andris Piebalgs and
Jean-Michel Glachant

Florence School of Regulation

Highlights

- The next European Commission's energy policy should be based on six key foundations, able to ensure the achievement of the 2030 targets and to put the EU on a stable path to full decarbonisation by 2050, while also providing an engine in terms of jobs and economic growth.
- First, determined action is needed with regards to electricity balancing markets to ensure that the increased level of intermittency in the electricity market does not provide a fundamental break on the development of RES investment.
- Second, "Renewable Energy Apollo Projects" are necessary because the EU will not achieve its 2030 targets on renewables on a "business as usual" basis.
- Third, we need to ensure we lay the groundwork for a physical electricity grid designed for 2050; that grid will look significantly different from that of today and sustained investment is required.
- Fourth, sector coupling represents one of the greatest challenges for the next Commission. The ETS is the obvious mechanism to drive this change, and the Commission will have to see how to let it fulfil its full potential.
- Fifth, new digital technologies will open important new opportunities. A new regulatory framework is needed to ensure that the digital economy, and EVs in particular, can make their full contribution to the EU's decarbonised energy market.
- Sixth, the next Commission will need to provide the regulatory framework and create the investment conditions to enable the decarbonised hydrogen market to emerge and grow.

The following article was prepared in order to provide input by the Florence School of Regulation (FSR) into the Commission's forthcoming deliberations on its detailed Work Program for the next legislature and had been addressed by the Director of the FSR, Jean-Michel Glachant, to President Von der Leyen, EVP Timmermans and Energy Commissioner Simson.

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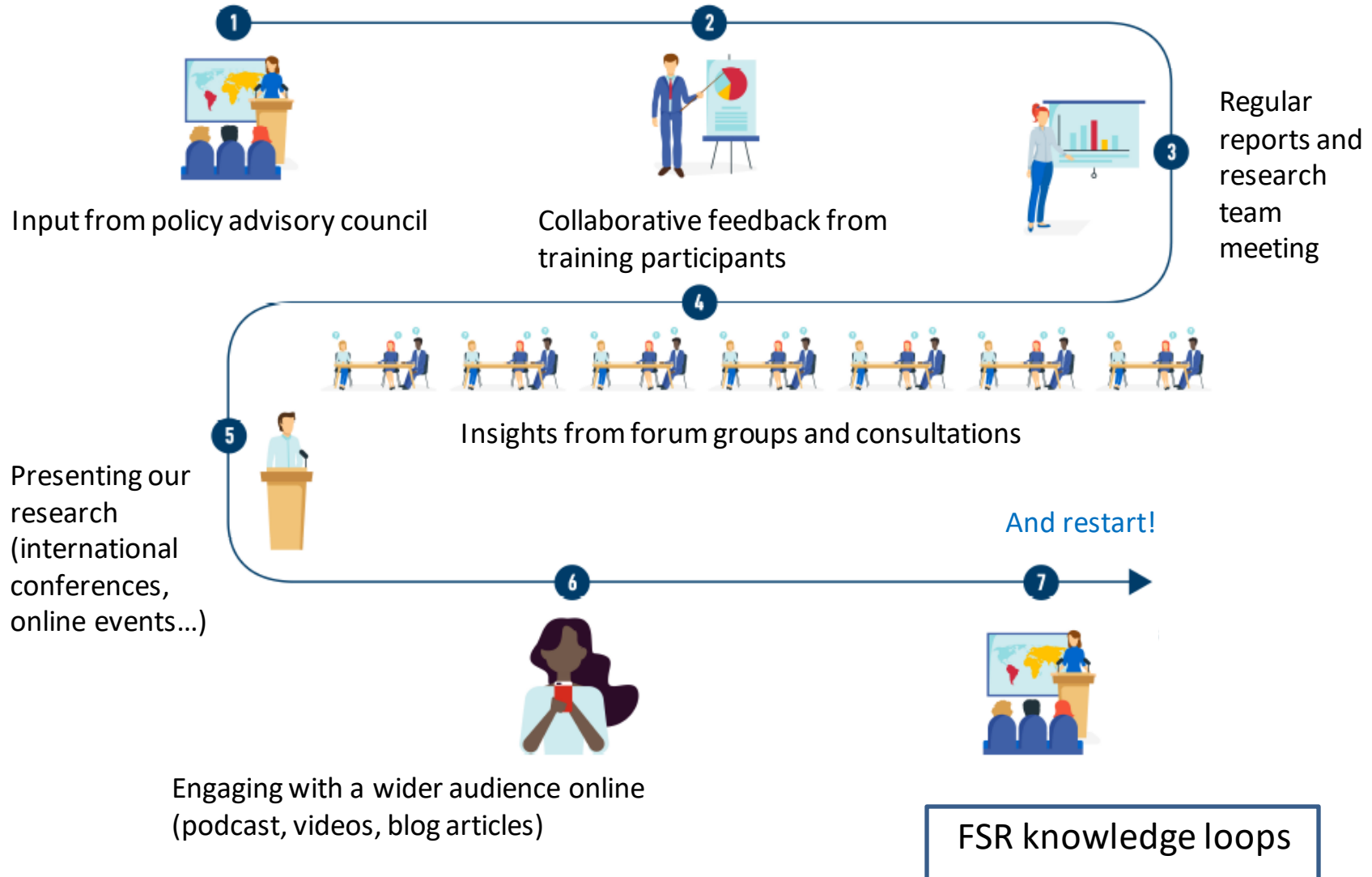
Research Output 2019

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 ■ Booklets ■ Book Chapters ■ Journal Articles ■ Research Reports ■ Working Papers ■ Policy Briefs ■ Online Monthly Editorials

How does research work?



FSR Training



TRAINING PORTFOLIO

- Residential
- Tailor-made
- Online
- Blended



01. Highlights

02. Fundamentals

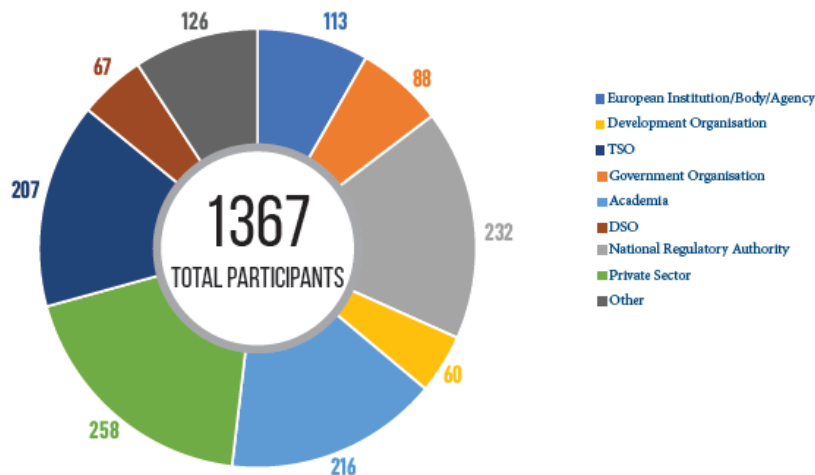
03. Specialised

Training in numbers 2019

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.

Training courses

GAS

Registration open



ONLINE RESIDENTIAL

🕒 17 Feb 2020 - 20 Mar 2020

Specialised Training on the Regulation of Gas Markets

Understand the basic principles and most topical issues of gas sector regulation in Europe and worldwide. This blended course starts with a four-week online block, introducing you to the basic...

GAS

Registration open



ONLINE

🕒 26 Feb 2020 - 29 Apr 2020

EU Gas Network Codes

The implementation of the EU Gas Network Codes (NC) requires an important effort from many participants of the market and sound competence and specialised resources. Join us to gain comprehensive knowledge about...

ELECTRICITY

Registration open



ONLINE

🕒 28 Apr 2020 - 04 Jun 2020

EU Clean Energy Package

Unpack the EU Clean Energy Package. The EU Clean Energy Package sets the energy and climate ambitions for the 2030 horizon, and the regulatory framework to achieve these ambitions. This online course...

ENERGY

Registration open



RESIDENTIAL

🕒 23 Mar 2020 - 27 Mar 2020

Fundamentals of Energy Regulation

The Florence School of Regulation (FSR) and the Council of European Energy Regulators (CEER) are proud to announce a unique joint course called "Introduction to Fundamentals of Energy Regulation", to be...

Policy Debate - Workshops

- Free access
- Restricted access: Policy Workshop Series open to Donors, NRAs and Public Institutions



Policy Debate

Policy Advisory Council

The Policy Advisory Council discusses the most topical regulatory and policy issues and debates the relevance of the latest FSR research findings. The meeting is held twice a year and provides inspiration and precious input for the focus of the FSR research along the whole year.



Policy Debate

An active interaction with regulators and EU institutions



Susanne Nies
ENTSO-E

'This online course is the most innovative and efficient crash course on power I have seen!'



EU-China Energy Cooperation Platform



FSR Policy Workshop Series

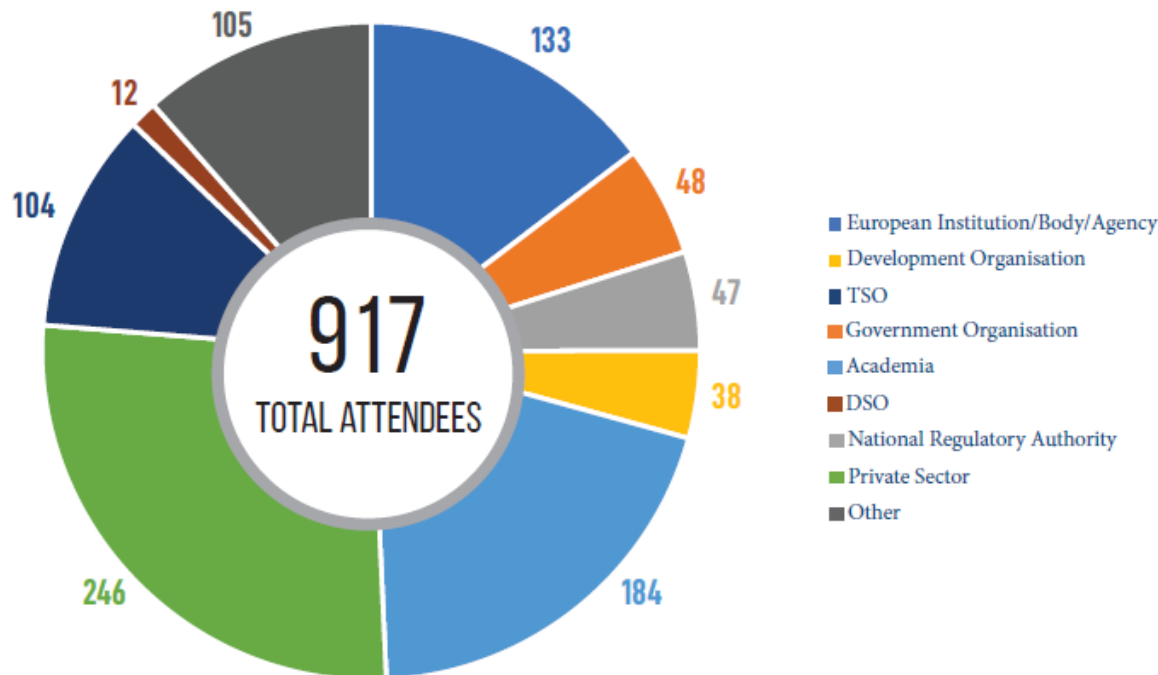


FSR-PGN Indonesia Workshop

Policy Debate in numbers

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.



FSR Online

We actively foster collaborations with leading energy institutions to develop economically and socially sound energy regulation and policy for Europe and worldwide.



**Research
Centre**



**Online
School**



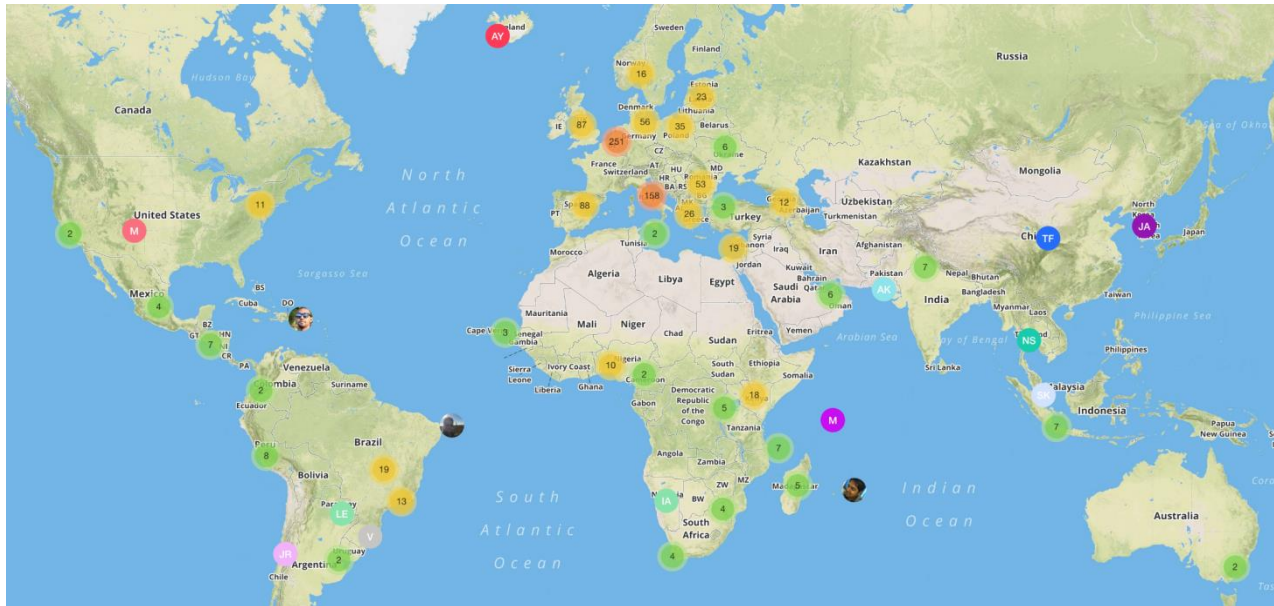
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Board**



**Conference &
Training Centre**



**Multimedia
Lab**





FSR Topic of the month

GAS



TOPIC OF THE MONTH

Green gas markets: To blend, or not to blend?

50 shades of... green gas markets FSR Topic of the Month Week 3 by Ilaria Conti (Head of FSR Gas)...

[Decarbonised Gases](#) [Gas Markets](#) [Green Gas](#)

GAS



TOPIC OF THE MONTH

One, two... or many gas markets. What should be the regulatory approach to the them?

50 shades of green... gas (markets)? FSR Topic of the Month Week 2 by Ilaria Conti (Head of FSR Gas)...

[Gas Markets](#) [Gas Taxonomy](#)
[Regulatory Approach](#)

GAS



TOPIC OF THE MONTH

A taxonomy for the 'new gases'

50 shades of green...gas (markets)? The first step is a taxonomy for the 'new gases' FSR Topic of the Month...

[New Gases](#) [Taxonomy](#)

FSR Online Debates



19
DEC

CLIMATE

Linking Emissions Trading Systems in the Paris Agreement era

📍 Online Event

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17
DEC

ELECTRICITY

Online talk: Economics of Electricity

📍 Online Event

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28
NOV

ENERGY

Charging up India's Electric Vehicles

📍 Online Event

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03
OCT

GAS

Baltic gas challenges and developments

📍 , 50014, Fiesole, Firenze, Italy

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24
SEP

GAS

Is gas infrastructure ready for sector coupling?

📍 Online Event

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19
SEP

ELECTRICITY

Imperfect Markets and Imperfect Regulation

📍 Online Event

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- 5k followers on LinkedIn



Audience engagement



Multimedia production



Podcast and blog series



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FSR Global Network

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+ 20 Advisory Committee

+ 300 Expert Pool



+ 12 Regional Regulators

+ 8 Multilateral
Development Organisations

+ 15 Industry & Associations

Thank you!



RESEARCH



TRAINING COURSES



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