



5TH CONFERENCE ON THE REGULATION OF INFRASTRUCTURES: THE CHALLENGES OF DIGITALIZATION AND THE USE OF DATA

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Villa La Fonte, Via delle Fontanelle, 18 - San Domenico di Fiesole

24 JUNE 2016

INTRODUCTION

The de- and re-regulation of the different network industries is an ongoing process at national and global levels. As this process unfolds, ever new phenomena emerge. Yet, the question about the right mixture between market, economic, technical and social regulation remains wide open in all the network industries.

The question becomes even more challenging when looking at recent infrastructure development as triggered by their pervasive digitalization. Not only are the different infrastructures transformed by their digitalization - e.g., digital transport, smart energy, etc. - calling for new approaches to regulating them, but moreover does digitalization become a phenomenon in its own right. The European Commission actually sees digitalization as a means to accelerate integration, to tear down regulatory walls and to move from 28 national markets to a single one. Consequently, digitalization and especially its implications in terms of privacy and security also require regulatory attention.

This 5th Florence Conference on the Regulation of Infrastructures aims at taking stock of the major challenges infrastructure regulation is currently facing in the age of their rapid digitalization. It does so by:

- looking at the main infrastructure sectors, notably telecommunications, postal services, electricity,

gas, railways, air transport, urban public transport, as well as water distribution and sanitation; growing intermodality among infrastructures, notably as a result of their digitalization;

- looking at infrastructure and their regulation from various disciplinary approaches, notably engineering, economics, law and political science along with interdisciplinary approaches;
- linking an academic approach with practical relevance.

SELECTED AUTHORS AND TITLES OF THEIR PAPERS (*PRESENTING AUTHOR)

COMMUNICATIONS AND MEDIA

Evgeni Moyakine: *Data protection code of conduct for cloud service providers and the right to data protection: effectiveness of the self-regulatory instrument and its future*

Pier Luigi Parcu, Maria Alessandra Rossi: *The paradox of setting targets: the case of NGN deployment in Europe*

ENERGY

Anna Butenko: *User-centered innovation and regulatory framework: energy prosumers' market access in EU regulation*

Angela Daly: *Energy prosumers and infrastructure regulation: some initial observations from Australia*

TRANSPORT

Carlos Cruz, Joaquim Sarmiento*: *Institutional "tetris" in infrastructure regulation: harmonizing governance, regulation and policy-making in the transport sector*

Valentin Carlan, Thierry Vaneslander, Christa Sys*, Athena Roumboutsos: *Digital innovations in the port sector: barriers and facilitators*

WATER

Andrea Guerrini, Giulia Romano, Sara Moggi*, Chiara Leardini*: *Factors affecting service quality of water utilities*

Alexandre Mayol*, Simon Porcher: *Social and nonlinear tariffs in safe water in France: cui bono? An empirical study applied on a natural experiment in Dunkerque (France)*

CROSS-SECTOR

Olga Batura: *Interface between competition law and personal data: challenges and possibilities*

Lea Diestelmeier*, Dirk Kuiken: *Access to smart electricity systems for final customers*

PROGRAMME

- 08.30 - 09.00
CONFERENCE ROOM / GARDEN
Welcoming Introduction by Brigid Laffan, Director of the Robert Schuman Centre for Advanced Studies and by the FSR-Area Directors
- 09.00 -10.40
TRANSPORT SESSION - ROOM A
Chair and discussant: **Matthias Finger** | EUI and EPFL
Joaquim Sarmiento | Assistant Professor, Lisboa School of Economics and Management
Christa Sys | Assistant Professor, University of Antwerp
- 09.00 - 10.40
COMMUNICATIONS AND MEDIA SESSION - ROOM B
Chair: **Maria Luisa Stasi** | EUI
Discussant: **Virginia Silvestri** | EUI
Pier Luigi Parcu | Part-time Professor, EUI
Evgeni Moyakine | Post-doc Researcher, University of Groningen
- 10.40 - 11.10
Coffee break
- 11.10 - 12.50
ENERGY SESSION - ROOM A
Chair and discussant: **Nico Keyaerts** | Vlerick Business School
Anna Butenko | PhD Candidate, University of Amsterdam
Angela Daly | Research Fellow, Queensland University of Technology
- 11.10 - 12.50
WATER SESSION - ROOM B
Chair and discussant: **Stéphane Saussier** | EUI and IAE de Paris
Sara Moggi and Chiara Leardini | Researchers, University of Verona
Simon Porcher | Assistant Professor, Sorbonne Business School
- 12.50 - 14.00
Lunch
- 14.00 - 15.40
PLENARY CROSS-SECTORAL SESSION - CONFERENCE ROOM
Chair: **Matthias Finger**
Discussants: **Nico Keyaerts and Pier Luigi Parcu**
Olga Batura | Researcher, Leuphana University Lüneburg
Lea Diestelmeier | PhD Candidate, University of Groningen
- 15.40 - 16.00
Coffee break
- 16.00 - 17.00
JOINT SESSION AND CONCLUDING REMARKS - CONFERENCE ROOM
Concluding remarks and award of the best paper
Matthias Finger
Nico Keyaerts
Pier Luigi Parcu
Stéphane Saussier