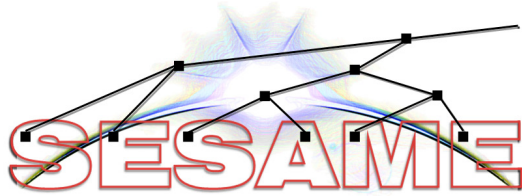




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### Organizing Partners



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Institute for Energy and Transport - Energy Security Unit



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# Regulation for Security of Supply 2.0 in the EU

Securing the European Electricity Supply Against Malicious and accidental threats



### SESAME

This workshop is part of the SESAME research programme. SESAME is a FP7 project supported by the European Commission, aiming at the development of tools and a regulatory framework for the security of the European power grid against natural, accidental and malicious threats.

Regulation

Power Sector

Security of Supply



**March 25, 2014**

Meeting Room of Regione Piemonte  
Rue du Trône, 62  
Brussels



## Programme of the Workshop

# Regulation for Security of Supply 2.0 in the EU

Given the importance of reliable power supply, 'security of supply' (SoS) has always been an important issue in the power sector. Traditional 'security of electricity supply' policies were national and looked at aspects such as sufficient network capacity and generation capacity. Moreover, SoS policies tend to focus in practice on 'solving' the last power outages.

### **New threats to security of supply**

Currently, there are, however, new developments which force us to rethink SoS: we fear new threats (malicious attacks), we see the large scale effects of natural disasters (e.g. tsunamis), while the power system changes through the development of smart grids and the increase in renewable generation at the transmission and distribution levels. All this happens in a context of the national systems getting more strongly connected: physically, economically and regulatory (harmonisation of regulation).

### **Security of power supply policy 2.0**

How do these new developments and circumstances affect SoS policy? That is the central topic of this workshop. How would an effective SoS policy look that deals adequately with 'new' threats such as natural disasters, malicious attacks and systemic changes, and fits in the multi-level and multi-country environment of the EU and its member states? To what type of regulation would this lead?

### **Recommendations for policy**

As this workshop focuses on the policy framework and regulation for SoS 2.0 in the EU, its main audience would be all persons and actors involved with these issues. These would include EU and national policy makers, regulators, TSOs, industry, and academics.

8:30	Registration & coffee		12:10	Threat classification and impact analysis	<b>Tao Huang</b> (Politecnico di Torino, I)
9:00	Introduction & Welcome	<b>Giovanni Griva</b> (Politecnico di Torino, I)	12:40	Lunch	
9:10	SESAME's value for EU policy	<b>Andrej Grebenc</b> (Research Executive Agency - European Commission, B)	13:40	Effect of new developments on transmission grid security	<b>Klaas Hommes</b> (TenneT TSO, NL/D)
	<b>Security and regulation: SESAME perspective</b>		14:05	Coping with security challenges	<b>Jaap Schekkerman</b> (CGI, NL)
9:20	Electricity security	<b>Ettore Bompard</b> (EC / Joint Research Centre Institute for Energy and Transport, NL)	14:30	Economic regulation for security of supply 2.0	<b>Tooraj Jamasb</b> (Durham University, UK)
9:30	The SESAME perspective	<b>Zofia Lukszo</b> (TU Delft, NL)	15:00	Coffee and tea	
	<b>Where do we stand: "Security of Supply policy 1.0"</b>		15:20	Security of supply 2.0 in the multilevel EU context	<b>Hamilcar Knops</b> (TU Delft, NL)
9:40	The European Union's view	<b>Matti Supponen</b> (European Commission / Directorate-General for Energy, B)	16:00	Panel discussion	<b>Christine Materazzi-Wagner</b> (E-Control, A); <b>Paul Plumptre</b> (National Grid, UK), <b>Lambert van Nistelrooij</b> (Member European Parliament); <b>Sujeet Shenoj</b> (University of Tulsa, USA)
10:10	Effects of regulation on security of supply: a European analysis	<b>Michael Schmidthaler</b> (J. Kepler University, A)			
10:40	Continuity of supply in the EU from a regulatory perspective	<b>Riccardo Vailati</b> (Agency for the Cooperation of the Energy Regulators, SI)			
11:10	Coffee and tea				
	<b>The impact of new developments on security of supply</b>				
11:20	Is the energy infrastructure safe against malicious attacks?	<b>Sujeet Shenoj</b> (University of Tulsa, USA)	17:00	Closure	