



## JOINT RESEARCH CENTRE Institute for Energy and Transport

# Training on methods for the implementation of the EC Regulation 994/2010 on Security of Gas Supply

November 6<sup>th</sup> & 7<sup>th</sup>, 2014      Athens, Greece

The objective of this training course, organised by the Joint Research Centre, is to provide interested persons and organisations with the methods needed to implement **EC Regulation 994/2010 on Security of Gas Supply**. According to this Regulation, Member States have to develop a full **Risk Assessment** for their gas systems and to comply with **Infrastructure and Supply Standards**. Based on the results of both the Risk Assessment and the standards, Member States have to develop a **Preventive Action Plan** (to decrease the likelihoods and consequences of potential adverse events) and an **Emergency Plan** (to manage adverse events once they occur). This training course focuses on the practical and effective implementation of the Risk Assessment, Emergency Plan, and Preventive Action Plan.

The sessions will provide:

- A discussion of the key requirements of Regulation 994/2010
- Methods for carrying out a Risk Assessment (assessing vulnerabilities, setting risk criteria, and estimating probabilities and consequences)
- An overview of lessons learnt from the first implementation of the Risk Assessments and Preventive Action Plans and Emergency Plans by EU member states.
- A focus on regional cooperation to carry out joint Risk Assessments.
- A focus on modelling tools to simulate different types of gas supply crises and to identify correlated risks





# **Provisional Agenda**

**Thursday, November 6<sup>th</sup>, 2014**

## INTRODUCTION TO REGULATION 994/2010

09:00 – 09:15 – **Welcome presentation. Scope and aims of the workshop**

- Ricardo Bolado (*European Commission, Joint Research Centre, Institute for Energy and Transport*)

09:15 – 09:45 – **Overview of Regulation 994/2010: Progress and lessons learned**

- (*European Commission, DG-Energy*). *Tbc.*

09:45 – 10:30 – **Overview of security of supply framework in contracting parties**

- Predrag Grucijic (*Head of Hydrocarbons Unit, Energy Community Secretariat*). *Tbc.*

### **Progress in implementing Regulation 994/2010 in the Energy Community**

- Karolina Cegir (*Gas Expert, Energy Community Secretariat*). *Tbc.*

10:30 – 11:00: *Coffee break.*

## TOOLS AND METHODS TO IMPLEMENT REGULATION 994/2010

11:00 – 11:45: **An Overview of Tools and Methods to Implement the Regulation**

- Ricardo Bolado (*European Commission, Joint Research Centre, Institute for Energy and Transport*)

11:45 – 12:15: **A probabilistic model for gas transmission networks**

- Pavel Praks (*European Commission, Joint Research Centre, Institute for Energy and Transport*)

12:15 – 14:00: *Lunch.*

14:00 – 14:30: **Issues identified as difficult to implement in the Regulation.**

- Ricardo Bolado (*European Commission, Joint Research Centre, Institute for Energy and Transport*)

### *PRACTICAL EXERCISES*

14:30 – 16:30: **Risk Assessment/Preventive Action Plan Exercise and Training**

- N. Rodríguez, N. Zaccarelli (EC, JRC, IET), K. Pambour (LIWACOM) + all participants.

19:30: *Social dinner.*



## **Friday, November 7<sup>th</sup>, 2014**

### REGIONAL COOPERATION IN ASSESSING GAS SECURITY

09:00 – 09:30: **The importance of regional cooperation in implementing Regulation 994/2010**

- Peter Zeniewski (Wood Mackenzie). Tbc

09:30 – 10:30 **Regional cooperation in South-Eastern Europe (Romania, Bulgaria and Greece)**

- Veneta Tzvetkova (Head of Energy Markets and Infrastructure Department, Ministry of Economy, Energy and Tourism)
- Kostas Kanellopoulos (Energy Systems Analysis Department, Greek Regulatory Authority for Energy (RAE))
- Nuria Rodriguez, N. Zaccarelli, R. Bolado (EC, JRC, IET)

10:30 – 11:15 - **Gas Network Modelling and Scenario Analysis for Joint Risk Assessments**

- Nuria Rodriguez-Gomez (EC, JRC, IET), K. Pambour (LIWACOM).

11:15 – 11:30: *Coffee break.*

11:30 – 11:45: **Results of the South-Eastern EU region Risk assessment**

- R. Bolado, N. Rodriguez (EC, JRC, IET)

11:45 – 13:00: **Regional cooperation in the Baltic States (Estonia, Latvia and Lithuania)**

- Tbc.

13:00 – 14:30: *Lunch*

14:30 – 15:30: **Regional cooperation in the Iberian Peninsula (Portugal and Spain)**

- Susana de Pablo-Garcia (Enagas, Spain). Tbc.
- (REN, Portugal). Tbc.

15:30 – 16:00: **Belgium; the Risk Assessment.**

- Tbc.

16:00 – 16:05: Training course closure.

- R. Bolado (EC, JRC, IET)
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Institute for Energy and Transport

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**Date, Place and duration** November 6<sup>th</sup> & 7<sup>th</sup>, 2014. Athens; 2 days

**Deadline for application** October 15<sup>th</sup>, 2014

**Target deadline for results of selection** October 17<sup>th</sup>, 2014

**Participants profile** Regulators, national energy administrations, TSO's, research institutes and academia

### Country of origin of participants

- New Member State
- Candidate Countries,
- Potential Candidate Countries,
- Framework Programme Associated Countries,
- European Neighbourhood Policy Countries and Russia on an ad hoc basis

### Funding

The Commission reserves the right to decide on a case-by-case basis - depending always on the available budget - the granting of such reimbursement of expenses. Participants may be entitled to reimbursement of their expenses in case they are directly (explicitly) invited by the organizer in order to contribute to the workshop's objectives.

### Please send accompanying application and CV to:

gerda.gouwens@ec.europa.eu

### JRC Contact for general information:

jrc-enlargement@ec.europa.eu

### For matters relating to content of workshop:

ricardo.bolado-lavin@ec.europa.eu –or- nuria.rodriguez-gomez@ec.europa.eu

**Frequently Asked Questions (FAQ):** <http://ec.europa.eu/dgs/jrc/index.cfm?id=6440>

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