

Investigation of the Socio-Economic impacts associated with the EU – Caspian Energy Corridors and the Hydrogen Society

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The vision

The improvement of EU security and diversification of energy supply by facilitating the development of energy corridors linking EU with the broader Caspian Region in the perspective of the Hydrogen Society

The aim -1

To strengthen bonds of cooperation between the EU and the BSEC scientific communities promoting social acceptability and economic development through the development of the energy corridors and the intermediate energy markets linking them

The aim -2

To identify and couple EU and BSEC¹ potential partners on socio-economic issues related to energy corridors and markets linking them

1 The Black Sea Economic Cooperation Organization is consisted of the following twelve (12) countries:

Albania, Azerbaijan, Bulgaria, Georgia, Hellas, Moldova, Romania, Russia, Serbia and Montenegro, Turkey, Ukraine.

The objectives -1

- The study of the socio-economic factors affecting the transportation of natural gas alongside the proposed corridors
- The development of social acceptance tools and methods for introducing Hydrogen alongside the proposed corridors
- The optimization of energy routes inside the EU – Caspian corridors

The objectives -2

- The study of socio-economic implications on intermediate energy markets due the development of new energy corridors
- The development of climate and environmental policy tools and models
- The promotion and dissemination of RTD outcomes at regional level

Proposed areas of cooperation -1

- **Energy and pipeline geopolitics**
 - Optimization of pipeline routes
 - Provision of reliability of gas supply system in the conditions of probabilistically uncertain and insufficient information
 - Development of a model for operational and forward planning of a Unified Gas Transportation System
 - Design of fuzzy regulators of gas supply regimes

Proposed areas of cooperation -2

- Environmental concerns and model analysis
 - Design, implementation, evaluation of climate policy instruments
 - Mathematical modeling affecting oil and gas transportation process
 - Simulation of environmental impacts caused by oil and gas pipeline and maritime transportation

Proposed areas of cooperation -3

- **Hydrogen Communities, Hy – Com**
 - Socio-economic studies for the inclusion of Hydrogen perspective in the natural gas planned pipelines and infrastructures
 - Dissemination of Hy – Com outcomes to the BSEC region through participation and active involvement of the scientific potential of the region

The momentum -1

- **Political endorsement**
 - The Energy Ministers of the 12 countries constituting the Organization for **Black Sea Economic Cooperation** support regional cooperation with EU
 - The **BSEC** working Group on Energy has accepted the proposal of KEPA for the establishment of networks of cooperation with EU in the frame of FP6

The momentum -2

- **Administrative support**
 - The BSEC secretariat (**PERMIS**) has disseminated through the BSEC Ministries of Foreign affairs the KEPA's invitation to relevant institution to participate in the proposed network
 - A number of institutions have responded while much more intend to join the network

The momentum - 3

- **Financial support**

- Given the limited budget, the BSEC Project Development Fund has approved KEPA's proposal to finance a minimum of preliminary actions leading to FP6 proposals. KEPA has been acknowledged as leader of the proposed network

The momentum -4

- The so far BSEC partners

1. Energy Policy and Development Centre – **Hellas**
2. Geotechnological Problems of Oil, Gas and Chemistry - **Azerbaijan**
3. Black Sea Regional Energy Centre – **Bulgaria**
4. Institute of Power Engineering Academy of Science
5. Institute of Power Studies and Design – **Romania**
6. Energy Saving and Energy Management Institute – **Ukraine**
7. International Institute of Energy Policy and Diplomacy – **Russian Federation**
8. Bogazici University – **Turkey**
9. IBS Research and Consultancy – **Turkey**
10. National Technical University of Athens - **Hellas**

Invitation

We are looking for EU partners in the frame of FP6 "Socio – economic tools and concepts for energy strategy"

Contact us

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