

THE PROJECT IN BRIEF

Our project “**REACCESS** - Risk of Energy Availability: Common Corridors for Europe Supply Security” is carried out under the FP7 of the EC.

The REACCESS project began on January 2008 and is expected to be finished on December 2010.

A Final Conference in Brussels is envisaged for the second half of March 2011.

Among the REACCESS goals is to build tools suitable for EU27 energy import scenario analyses, able to take into account at the same time the technical, economical and environmental aspects of the main energy corridors, for all energy commodities and infrastructures.

REACCESS Website - <http://reaccess.epu.ntua.gr> - acts as a constant node for the dissemination of all information about Energy Corridors - Security of Supply activities, incorporating appropriate tools and models for interested stakeholders.



VISIT AND REGISTER

<http://reaccess.epu.ntua.gr>

CONTACT DETAILS

POLITO

Project Coordinator: Prof. ing. Evasio Lavagno

Tel. +39.011.564.4429

Fax: +39.011.564.4499

e-mail: evasio.lavagno@polito.it

NTUA - EPU

Dissemination Leader: Prof. John Psarras

Contact Person: Dr. Haris Doukas

Tel: +30 210 7722083

Fax: +30 210 772 3550

e-mail: h_doukas@epu.ntua.gr

RISK OF ENERGY AVAILABILITY: COMMON CORRIDORS FOR EUROPE SUPPLY SECURITY

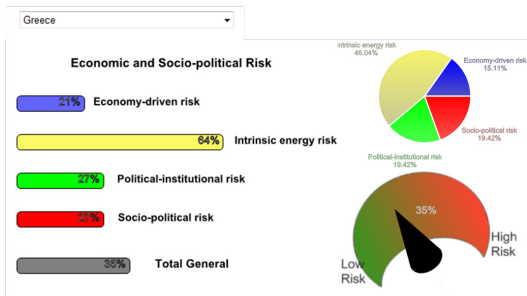
REACCESS



ECONOMIC AND SOCIOPOLITICAL RISK INDEX AND ASSESSMENT

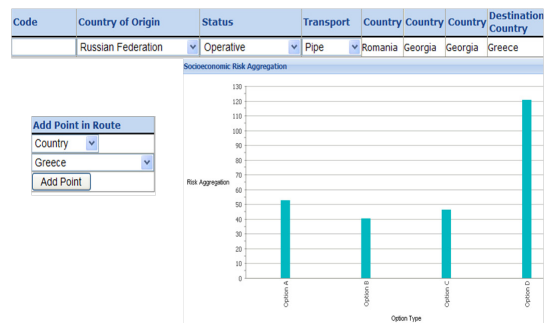
Economic and Socio-Political Risk Index

This e-tool displays a comparable measure of the social, economical and political risk dimensions of energy security, through charts and graphics, per country.



Socioeconomic Risk Assessment for Energy Corridors

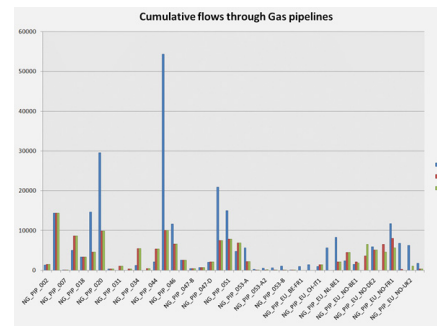
This tool assesses the socioeconomic risk of energy corridors. By selecting the country of origin and adding points, an Energy Corridor is created and the resulting risk aggregation is schematically depicted for four different Aggregation Options. In the available Technical Note, 122 identified corridors were assessed in this respect.



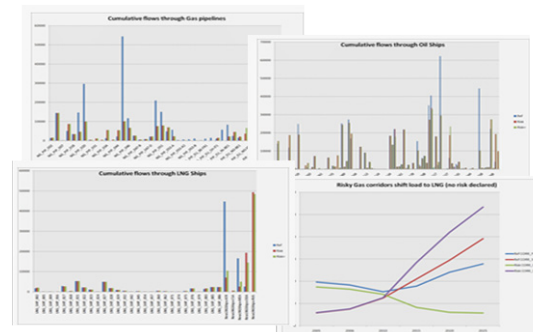
RECOR MODEL – E-PLATFORM

The Energy Corridors, natural gas pipelines, oil and LNG ships, whose technical economic characteristics are assembled in the Data Base Templates, are presented in the RECOR model.

Before integrating it with the global TIAM model and the European PET30 model, the RECOR model is being tested in a stand-alone mode.



Each set of results consists of several tables, which are categorized by sector/type. An embedded tabbed view enables comparison of a table across scenarios, or simultaneous viewing of multiple tables from a single scenario.



In order to have access for exploiting the further features, provided by this tool, users should re-register and log in.

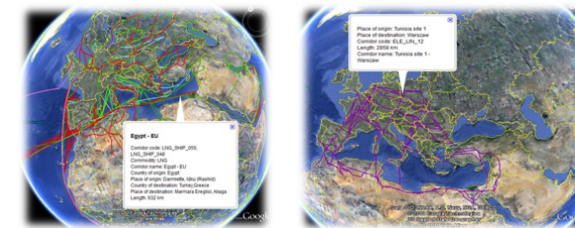
WEB GIS APPLICATION

Existing, planned and possible future infrastructure in terms of pipelines, powerlines and open-sea routes supplying the EU27+ energy market are evaluated and through the utilization of a high dynamic web GIS application, i.e. Google Earth have been converted to a visualizing feature.



Captive Corridors

The identified and defined energy supply routes have been graphically represented and analyzed with reference to their spatial characteristics and interactions. For each option there are provided starting points, destinations, geographic setup and length of single corridors and corridor sections so far.



Shipping Corridors

Powerlines