PARTNER SEARCH FORM

DATE: 05 January 2011

PROJECT INFORMATION

TITLE: CO2 capture from local power generation sources and storage

ACRONYM:
2.2 CO2 capture and storage technologies for zero emission power generation in the Black Sea region

SUMMARY:
The scientific objective of the project is to identify new solutions for CO2 capture and storage according to specific national situation of countries involved. As a result of project implementation new solutions will be proposed for CO2 capture and storage in the region. Currently, the problem of CO2 capture and storage is actual in the world. Countries in the region committed to reduce substantially the environmental emissions and CO2 capture and storage can serve a good solution for fulfilling these goals. Nowadays, the technology motorization and possibilities for practical application of CO2 capture technology is a challenge for countries in the region.
The novel character of the research proposal consist in extension of the knowledge in the field of CO2 capture and storage, create capacity building in the region and fulfilling the gaps in technology development.
The research proposed to be carried out is an interdisciplinary research aiming to contribute to promote new advanced solutions for clean environment.

KEYWORDS*:
CO2 capture and storage technologies for zero emission power generation; Conversion technologies for zero emission power generation

CALL: BS-ERA.NET 2010

NAME(S) of the PARTNER(S) INVOLVED:
Georgia,
Germany,
Greece,
Italy,
Moldova, Institute Power Engineering of ASM, Dr. Vladimir Bezan berzan@ie.asm.md and Institute for Geology of ASM,
Romania,
Ukraine,

SCIENTIFIC AND TECHNOLOGICAL EXPERTISE OFFERED*:

- **Identification of available technologies**
- **Evaluation of CO2 emissions from national power generation sources, fuel used, and geographical location of each source**
- **Technologies for CO2 capture and possibilities for storage. Evaluation of environmental impact benefits after implementation of CO2 capture and storage technologies.**

- **Identification of possible geographical area for underground storage of CO2 near the source of emissions.**
- **Studying the geological characteristics of storage area (10-12 km from the source) for evaluation of underground capacity for storage (ex: solid rocs, underground water reservoirs etc)**
- **Evaluation of integral impact on energy costs after implementation of technologies.**

PARTNER SOUGHT

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EXPECTE D CONTRIBUTION TO THE PROJECT:
The main result of the project is to identify the capability of each country for storage of CO2 near the sources.

ORGANISATION TYPE*:

☐ Higher Education ☒ Research Institute

☐ R&D Company ☐ SME ☐ Other

HOW MANY PARTNERS ARE REQUIRED?
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*** mandatory fields**