PARTNER SEARCH FORM

DATE: 14.12.2010

PROJECT INFORMATION

TITLE:
System to capture the waves energy and to protect the erosion of the Romania's beaches

ACRONYM: SWEPERB

SUMMARY:
Starting from the mathematical analyse of the travelling waves, modelling theoretical and experimental waves, we project a system both to capture with maximum efficiency the wave energy for electrical energy conversion also to dissipate this energy and protect the erosion of the Romania's beaches.
Such systems can be placed inside the dykes, neighbouring the BS seashore.

KEYWORDS*: wave energy capture and electrical conversion, seashore protection

CALL: BS-ERA.NET 2010

NAME(S) of the PARTNER(S) INVOLVED:
- Polytechnic University of Bucharest, Power Engineering Faculty, Hydraulics, Hydraulic Machines and Environment Engineering Department,
- Maritime University of Constanta, Electro-Mechanics Faculty.

SCIENTIFIC AND TECHNOLOGICAL EXPERTISE OFFERED*:
Our team has experience in theoretical and experimental research in renewable sources of energy and environmental protection. We have accredited laboratory with experimental stand for waves modelling and capture waves energy, to convert it in electrical energy. Experience in hydraulic and constructive dimensioning of systems. Experience in project management. Expertise to guide students projects in renewable sources of energy – like wave energy and beaches protection.

PARTNER SOUGHT

SCIENTIFIC AND TECHNOLOGICAL EXPERTISE REQUESTED:
Research team with similar activities / projects, partners from public administration and environmental / costal zone management.

EXPECTE D CONTRIBUTION TO THE PROJECT:
Support to realize the project.

ORGANISATION TYPE*:

☒ Higher Education ☒ Research Institute

☐ R&D Company ☐ SME ☒ Other

HOW MANY PARTNERS ARE REQUIRED? 2-3 partners from around BS countries or from Europe countries
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*** mandatory fields**