

MAREVIVO



CONSIGLIO REGIONALE
INTERREGIONALE DELLO IRI
DIREZIONE REGIONALE AMBIENTE LIGURIA



SAPIENZA
UNIVERSITÀ DI ROMA

ENEA



MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE
SEGRETARIATO GENERALE

sole vento e mare

ENERGIE RINNOVABILI E PAESAGGIO

International Ideas Competition 2011
Renewable Energy for Small Islands and
Marine Protected Areas of Italy

IDEAS COMPETITION 2011¹

Renewable energy for small islands and marine protected areas of Italy

Article 1

(Promoters and Aims of the Competition)

1. Under article 2 of the Memorandum of Understanding signed on 13 April 2010,
 - *Associazione Marevivo,*
 - *CITERA (Centro di Ricerca Interdisciplinare Territorio Edilizia Restauro Ambiente)*
 - *Università di Roma La Sapienza,*
 - *ENEA (Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile),*
 - *GSE (Gestore dei Servizi Energetici – GSE S.p.A.),*
 - *Ministero dei Beni e delle Attività Culturali, Direzione Generale per la qualità e la tutela del paesaggio, l'architettura e l'arte contemporanee* (hereinafter referred to as “DG PABAAC”),

and

- *Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Segretariato Generale* (hereinafter referred to as “MATTM – SG”),

(hereinafter collectively referred to as “Promoters”)

invite entries to an international competition intended to spur ideas and proposals on innovative components or plant systems which: i) use renewable energy sources; ii) integrate into the environment, landscape and socio-cultural setting of small islands and/or marine protected areas of Italy; and ii) take into account problems connected with the development of renewable energy technologies and improvement of energy efficiency in view of sustainable development.

2. The competition aims to encourage the search for solutions which succeed in combining the use of components and plant systems to generate electric and/or thermal energy from renewable (or inexhaustible) energy sources - sun, wind, high-enthalpy geothermal energy,

¹ This is a courtesy translation. In case of discrepancy between the English and the Italian versions, the Italian text shall prevail.

tides, currents and waves - with protection of the environment and of the typical architecture and landscape of small islands and marine protected areas of Italy.

3. The projects which will best respond to the aims of this call for entries will help promote innovation, transfer of knowledge and industrial development of components for new, environmentally sustainable solutions.
4. The call for entries (in Italian and English) is posted on the websites of the promoters and may be downloaded in .pdf format.

Article 2

(Eligible Types of Projects)

1. Any project providing solutions which generate energy from the renewable sources mentioned in article 1, para. 2. above and integrate into the landscape of small islands and/or marine protected areas of Italy (listed on the website www.minambiente.it - *Acqua - Aree marine protette*).
2. The eligible types of projects shall be as follows:
 - I. design of a component or a capture element making part of an energy-generating plant; the component or element, of innovative design or technology, shall serve (in sequence or individually) one or more end uses, in accordance with the requirements of para. 2 of art. 1 hereof; projects which use components or elements already available on the market and which integrate into the local architecture shall also be considered;
 - II. design of a plant system harmonising with the local environment and landscape and covering part or all of the energy demand of local end users; the plant system shall be optimally sited with respect to the configuration of the local area or marina; it shall minimise land or sea floor use and meet the requirements of para. 2 of art. 1 hereof.

Article 3

(Categories of Entries)

1. The international competition shall be open to the following categories of entries:
 - a) **Degree theses (2nd cycle or Master's Degree Programmes) prepared by students of university schools/faculties of architecture, engineering or equivalent in their own countries.** For this purpose, each entrant shall specify his/her university. To be eligible

for the competition, the theses shall be presented and defended during the solar year 2011.

b) Free-lance professionals (architects, engineers, industrial designers, professional offices or teams, design firms or equivalent in their own countries) or companies.

The competition shall be open to persons who are registered with the respective professional boards or persons acting as a company, temporary team or other association, provided that they are registered with the respective professional boards or have equivalent qualifications in their own countries and are thus authorised to practise the profession and participate in ideas competitions upon the date of publication of this call for entries. Entrants may participate in the competition as individual professionals or in teams; in the latter case, they shall specify the professional acting as team leader.

Companies shall be registered with the respective boards of trade or other applicable boards; they shall specify the legal representative of the company.

Article 4

(Ineligibility)

1. The following entries shall not be eligible for the competition: designs or solutions which have already reached the production stage upon the date of publication of this call for entries, and degree theses which have not been presented and defended within the solar year 2011 (as per the self-certification to be submitted by the entrant).
2. The following persons shall not be eligible for the competition:
 - members of the jury and their substitutes;
 - members of the technical secretariat referred to in art. 9 below;
 - spouses and relatives (of up to and inclusive of the third degree) of the above-mentioned categories;
 - those who have participated in the drafting of this call for entries.

Article 5

(Entries)

1. Each entrant shall submit:
 - a) the entry form and the self-certification form (Annex A) with his/her data;
 - b) the project, prepared in accordance with art. 6 hereof.
2. The material for the competition may also be submitted in the English language. Annex A shall be submitted in the Italian language.
3. All the categories of entrants shall submit their entries - by mail, by courier or by hand – to the following address of Gestore dei Servizi Energetici, within 9 January 2012 at the latest. No late entries shall be accepted.

Gestore dei Servizi Energetici – GSE S.p.A.

V.le Maresciallo Pilsudski, 92 – 00197 Roma - Italia

(website: www.gse.it)

4. In any case, the date of receipt of the entries shall be certified by the datestamp of receipt which shall be affixed on the parcel by the “Ufficio Protocollo” (record office) of Gestore dei Servizi Energetici; office hours: Monday through Friday (working days), 08:30 to 17:30.
5. The parcel containing the entries shall bear the name and address of the sender, as well as the following wording, including the specification of one of the two types of projects - I or II - referred to in art. 2 above and of one of the two categories of entries - a) or b) - referred to in art. 3 above:

“Concorso di idee internazionale – Edizione 2011: Le energie rinnovabili per le isole minori e le aree marine protette italiane – Tipologia di progetto: ... – Categoria di partecipazione:...”

(International Ideas Competition 2011: Renewable energy for small islands and marine protected areas of Italy – Type of project: ... - Category of entry: ...)

Article 6
(Project Material)

1. The project material shall include:

- a) 4 plates in A2 format, containing at least maps/layouts, front views, cross-sections and technical details with appropriate scales and renderings. The 4 plates shall be modular so as to form a horizontal poster. They may also include parts of text with a minimum font size of 14, to be readable at a minimum distance of 1.5 m at the exhibition. Each plate shall be mounted onto a light, rigid, foam core board and be individually readable; the backs of the plates shall be numbered in the following sequence:

1	2
3	4

The plates shall bear the following wording: “*Concorso di idee internazionale: Le energie rinnovabili per le isole minori e le aree marine protette italiane – Edizione 2011*”

(International Ideas Competition: renewable energy for small islands and marine protected areas of Italy – 2011).

The set of the 4 plates shall form a presentation giving an overall and exhaustive view of the project.

- b) Report of 6 pages (1,500 characters per page), with an exhaustive description of the project, of the innovative criteria used and of the energy-environmental performance achieved; the report, which may include sketches or illustrative drawings to facilitate the reading of the proposal, shall be prepared in accordance with articles 7 and 8 below.
- c) PowerPoint presentation of the proposed project, summarising the report (4 to 6 slides) and the technical and/or photographic material (8 to 12 slides) submitted for the competition;
- d) the material specified in paras. a), b) and c) above shall be sent also in electronic format (CD or USB memory key/pen drive). The eligible electronic formats shall be as follows: .pdf, .ppt and .doc.

Article 7

(Features of the Project Material)

1. The project material shall have the following features:
 - a) it shall clearly communicate - through drawings and illustrations - the configuration of the project and its integration into the local architecture, environment and landscape;
 - b) it shall provide details about how the project is expected to meet the requirements of functionality and social acceptability in view of local sustainable development;
 - c) it shall highlight the innovative aspects of the project;
 - d) it shall describe the versatility and flexibility of the proposed solution and also show how it may be used in different contexts or configurations.
2. The report shall:
 - a) describe how the proposed project may be implemented and put into operation, stressing its replicability features, if any;
 - b) specify the end uses of the generated energy and provide one example of practical application of the proposed project;
 - c) provide comments on the feasibility of the submitted project;
 - d) describe the energy and environmental performance expected from the project;
 - e) make a tentative assessment of the expected costs.

Article 8

(Selection Criteria)

1. Without prejudice to art. 2 hereof, the projects shall be judged in the following priority order of the assessment criteria:
 - I. Integration:**
 - a)*** the proposed project shall harmonise with the landscape of small islands and/or marine protected areas of Italy where it will be used, with solutions which optimise its integration into the local architecture and landscape;
 - b)*** the proposed project shall mitigate the impact on the local environment and communities and contribute to reducing reliance on fossil energy sources.

2. Innovation: the innovative character shall be given by the originality of the application, the mounting/assembly technique, the type of manufacturing/production and the type of materials used, with preference for eco-friendly, natural or recyclable materials.
3. Flexibility and standardisation: the proposed solution shall be easily manufactured/built (mounted/assembled, maintained, removed and disposed of/decommissioned) and modular. Preference shall be given to solutions which can be easily standardised and usable in the various scenarios of the reference setting indicated in the call for entries.
4. Energy Performance: the proposed solution shall be energy efficient both as regards its active component and the possible effect of its passive component.
5. Cost-effectiveness and Marketability: the cost-effectiveness of the proposed solution (in terms of layout, installation and energy performance) vs. existing solutions shall be described; the proposed solution shall also be cost-competitive, marketable and have a low manufacturing/production cost.

Article 9

(Jury)

1. The jury, chaired by MAREVIVO, shall be composed of representatives of the promoters or by their delegates. The jury shall be supported by a technical secretariat co-ordinated by Gestore dei Servizi Energetici.
2. The jury shall take decisions about the results of the ranking (under the assessment criteria referred to in art. 8) by simple majority and at its sole discretion. The jury's decisions shall be binding. The ranking of the winners shall be limited to the 3rd place winners.
3. The jury and the technical secretariat shall usually hold their sittings at the headquarters of Gestore dei Servizi Energetici.
4. The technical secretariat referred to in para. 1. of this article shall also have the task of providing information about this call for entries through the following e-mail address concorsoidee@gse.it
5. The membership of the technical secretariat shall be as follows:
 - Officer of GSE
 - Officer of CITERA

- Officer of ENEA
- Officer of “Servizio IV DG PABAAC”
- Officer of “MATTM – SG”.

Article 11

(Results of the Competition)

1. The results of the competition, together with the jury’s report, shall be posted on the websites of its promoters according to the timeline indicated in article 14 below.

Article 12

(Prizes, Publications and Exhibition)

1. The prizes shall be distinguished into:
 - a) categories of entries (Degree Theses or Professionals/Companies);
 - b) types of projects.
2. The prizes shall be assigned to the categories of entries and to the types of projects in the amounts shown in the table below. They shall be awarded during an event (exhibition) open to the public and attended by the jury and the representatives of the promoters of this initiative.

	Categories of entries					
	Degree Theses			Professionals/Companies		
	1 st place	2 nd place	3 rd place	1 st place	2 nd place	3 rd place
Types of projects						
1 st Type (art. 2.2.I)	€2,000 Publication in the catalogue Mention	Publication in the catalogue Mention	Mention	€4,000 Publication in the catalogue Mention	Publication in the catalogue Mention	Mention
2 nd Type (art. 2.2.II)	€2,000 Publication in the catalogue Mention	Publication in the catalogue Mention	Mention	€4,000 Publication in the catalogue Mention	Publication in the catalogue Mention	Mention

3. The 1st and 2nd place winners shall subsequently submit summaries of their proposals to be included in the catalogue to be published by the promoters.
4. In addition to the above prizes, GSE shall offer 6-month internships in its Rome offices to the 1st place winners of the Degree Thesis category; the internships shall be conducted as

part of GSE's activities of promotion and development of renewables and provision of specialist energy services.

5. The projects selected by the jury shall be given maximum publicity in the media: websites, journals and periodicals of the sector and of the institutions and companies involved in the organisation of the competition. In particular, DG PABAAC shall post the winning projects on its website as examples of good practices.
6. ENEA shall - after conducting a further assessment at its sole discretion - offer the possibility of engineering and prototyping one or more of the prize-winning projects in its research laboratories.
7. The jury reserves the right not to award the prizes if it deems that no project (in one or both the categories of entries and/or types of projects) is prizeworthy.

Article 13

(Ownership and Return of the Material Submitted for the Competition)

1. The material submitted for the competition and the rights thereon shall remain the property of their authors. The projects shall remain in the possession of the promoters for another two years beginning on the date of the prize-awarding event. Entrants may ask for the return of their projects within one year at the latest from the end of the above-mentioned two-year period. After the one-year deadline, the promoters shall have no responsibility for the material submitted for the competition.
2. During the above-mentioned two-year period, the promoters reserve the right to put the submitted projects on public display, to publish or allow them to be published for promotion of knowledge on and dissemination of the technologies used.

Article 14

(Timeline of the Competition)

1. The competition referred to in art. 1 hereof shall have the following timeline:

Start of the competition	16 March 2011
Deadline for entries	9 January 2012
End of assessment of entries	14 March 2012
Publication of the results of the jury	15 March 2012

2. The date and venue of the prize-awarding event (exhibition), open to the public, shall be posted on the websites of the promoters after the publication of the results of the jury.