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Overview of the RESTMAC project: Small Hydro Activities

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SIXTH FRAMEWORK PROGRAMME



Consortium

- EREC (Coordinator) (1)
- EWEA (2)
- EPIA (3)
- ESHA (4)
- AEBIOM (5)
- EUBIA (6)
- EGEC (7)
- ADEME (8)
- NTUA (9)
- EC Bratislava (10)
- GAIA (11)
- ESTIF (12)
- RESTMAC is partially financed by the EU FP6

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SIXTH FRAMEWORK PROGRAMME

WP 1 Project Co-ordination & management (EREC)

- Co-ordination of work
- Project meetings
- Reporting etc.

WP 2 TECHNOLOGY MARKETING CAMPAIGN (EREC)

1. Development of corporate identity
2. Co-ordination of sectoral activities

RESTMAC

SECTORIAL APPROACH				
<p>WP3 PV (EPIA/ADEME) <u>Technologies selected</u></p> <ol style="list-style-type: none"> 1. Thin-film technology 2. Hybrid & mini grid systems 3. Support schemes for PV 	<p>WP4 SHP (ESHA/ADEME) <u>Technologies selected</u></p> <ol style="list-style-type: none"> 1. Application of IHA sustainability protocol to SHP; 2. Sustainable hydropower technologies 	<p>WP 5 Biomass (AEBIOM/EUBIA/ADEME) <u>Technologies selected</u></p> <ol style="list-style-type: none"> 1. Pellets for individual heating systems 2. Use of biomass waste 3. Collection of wood residues in forests 4. CHP at small scale 5. Bioethanol production/use 	<p>WP 6 Geothermal (EGEC/ADEME) <u>Technologies selected</u></p> <p>Electricity from medium-to-low-temperature (EGS), Other geothermal applications (agriculture snow melting/, desalination/water treatment Shallow geothermal heating and cooling systems (GHP)</p>	<p>WP 7 Solar thermal (ESTIF) <u>Technologies</u></p> <p>Solar thermal cooling</p>
<p>Technology promotion (Publications, Technology transfer workshops, sectorial promotion)</p>				

GEOGRAPHICAL APPROACH

WP 8: New Member States (EC Bratislava/EREC)
Slovenia, Hungary, Poland, Baltic States, Slovakia, Czech Republic

WP 9: European Islands (NTUA/GAIA/EREC)
Corsica (France), Canary Islands (Spain) Dodecanese (Greece)

WP 10: Actions outside the EU (EREC/EWEA/EPIA)
Brazil, China, Mexico, Mediterranean area

3. Integration of sectoral findings
 - 1) Website
 - 2) Catalogue of best-practice
 - 3) Technological roadmap for RES up to 2020
4. Cross-sectoral promotion & dissemination



WP 11: Closing conference (EREC / ADEME)

Partners of the project: EREC, ESHA, AEBIOM, EUBIA, EWEA, ESTIF, EGEC, EPIA, EC Bratislava, NTUA, GAIA, ADEME



Sectorial Approach

- Solar PV technology campaign
 - **SHP technology campaign**
 - Biomass technology campaign
 - Geothermal technology campaign
 - Solar Thermal technology campaign
- = Technology Promotion on a European scale

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Sectorial Approach : SHP technology campaign

- Application of the **IHA sustainability protocol** to small hydropower (Report- Sept 2008)
- **Sustainable hydropower technologies brochure** (January 2009)
- **European Small Hydropower Technology workshop**- solutions, best practices and transfer of technology- workshop in 2009 (to be defined)
- **International Conference Small Hydropower - Hydroenergia** - 7-9 June 2006, Crieff, Scotland, UK

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Geographical Approach

- Technology campaign in **East and South East European Countries**
 - Technology campaign **Islands - Canary Islands, Dodecanese Islands, Corsica**
 - Actions outside the EU - Trade missions to **China, Brazil & Mexico**
- = geographical approach towards regions of special interest to the European industry

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Geographical Approach: Technology campaign

New Member States and CC

Workshop on Small Hydropower, Hungary

- date: 19 April 2007
- place: Budapest
- In the framework of fair RENEXPO Budapest

Workshop on Wind Energy, Slovakia or Poland

- Date: t.b.c.
- Place: t.b.c.

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Geographical Approach: Technology campaign Islands

Regional workshop **Dodecanese Islands,
Greece**

- June 2007

Corsica - Festiventu

- October 2007

Final Island Conference

- **Tenerife - Canary Islands (Lanzarote?)**
- April 2008 (May 2008)

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Main Common Deliverables

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- Technology Roadmap for Renewable Energy up to 2020
- Catalogue of best practices Islands
- Conference: Creating markets for RES on islands, Canary Islands, Spain, April 2008
- Closing Conference, France, March 2008



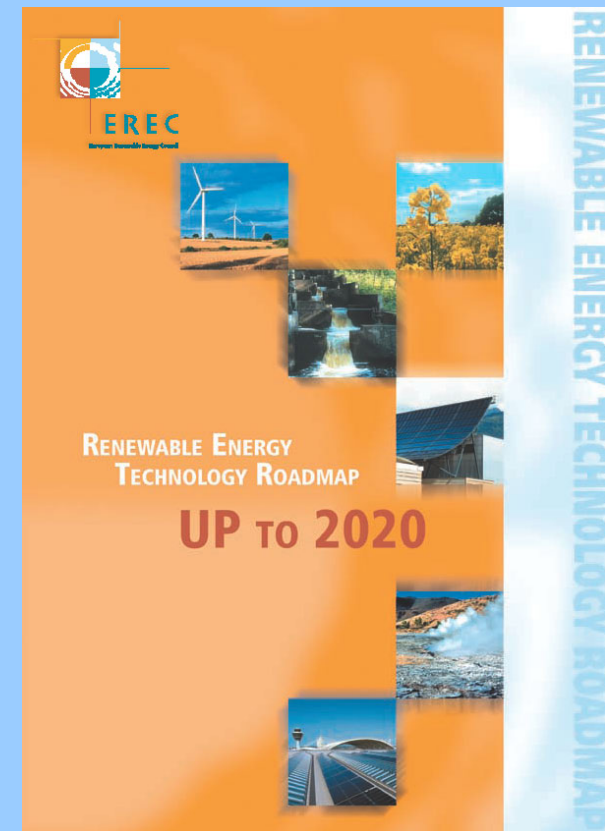
Technology Roadmap for Renewable Energy up to 2020

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Presentation of a new overall target for renewables for 2020, broken down into targets for the different sectors:

- Electricity
- heating/cooling
- Biofuels

Technology roadmap showing the way in the different technological fields





Further information

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- www.esha.be
- www.erec.org/projects/proj_RESTMAC_homepage

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