

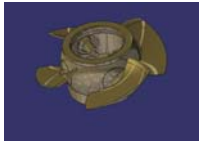
Engineering Group

Thematic Network on Small  
Hydro Power

# Presentation of the Engineering working Group

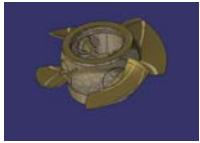
Bolzano

18<sup>th</sup> September 2003



## Members of the Engineering working group

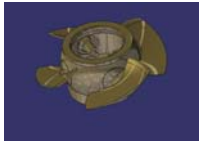
- **EPFL-LCH** (Swiss federal institute of technology – Laboratory for Hydraulic constructions)
- **ISET** (Institut für Solare Energieversorgungstechnik E.V.)
- **MHyLab** (Mini hydraulics laboratory)
- **SERO** (Sveriges Energifoereningars Riskorganisation)
- **SCPTH** (Syndicat des constructeurs de petites turbines hydrauliques)



# Final work program 2003

## Main Targets

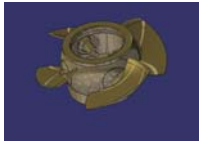
- Presenting a real picture of the current situation of the R&D in this field.
- Promoting a common industry view on R&D needs, in order to avoid redundancies and ensure an efficient use of the EC and national funding.
- Identifying current technical barriers and future challenges for the sector and proposing a RD&D strategy for the EC.
- Creating an information platform on past and present RD&D projects funded by the EC in order to guarantee the best use of their results.



# Final work program 2003

## Work packages

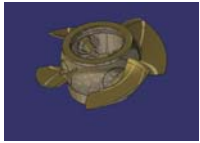
- The **first work package** concerns the information collection and dissemination on RD& D projects.
- The **second work package** concerns the input into RD&D EC Policy in the SH field.
- The **third work package** aims to develop tools for small hydro power plants developers.
- The **last WP** aims in one hand to inform the public and in the other hand to supply it with easy to use documents.



## Working Group Expectations

Our work :

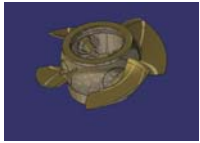
- will be a unique opportunity to find a common view on what has to be done to ensure the further development of small hydro industry.
- will promote the idea that everything is not yet done in small hydro and there is place for further technical development.



# Work package I

## Information collection and dissemination on RD&D

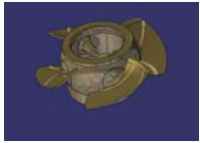
- Survey on RD&D funded projects and results
- Draft of the analysis and synthesis.
- First synthesis ready for publication by the end of 2003.
- Six monthly updating



## Work package II

# Input into RD&D policy

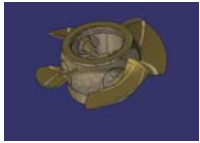
- Elaboration of a European strategy document for RTD&D in small hydro power.
- Presentation of the draft in Bolzano.
- Collection of comments.
- Preparation of an updated draft and publication on the web site
- Yearly updating.



## Work package III & IV

# Definition of tools for small hydropower plant developers and dissemination of technical and economic information

- Updating of the Layman's guide and publication in English, French, German and Swedish.
- Standardisation and design rules for civil engineering works.
- Preparation of simplified tender documents for small hydro equipment.
- Preparation of a checklist for small hydropower plant developers.
- Preparation of easy site evaluation tools.
- Preparation of a FAQ related to technical questions.



# Bolzano Workshop

## Program of the discussion group on engineering

- Strategy document brief presentation  
(Vincent Denis, MHyLab)
- Cost & efficiency for small hydro projects  
(Christer Soderberg, SERO)
- Engineering and environmental integration  
(Pr. Dr. Anton Schleiss, EPFL-LCH)
- Presentation of the tools for developers we intend to prepare  
(Jacques Fonkenell, SCPTH)