TEMONAS TEchnology Monitoring and Assessment (278862)

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General Overview Project & Partnership description

- Technology Monitoring and Assessment
- Duration: Plan: 01.09.2011-28.02.2013

Actual End: 31.05.2013 (+3 Mo)

- Budget
- Plan Total Budget: € 1,800,602 FCH-JU Contribution: €1,132,046
- Actual Total Budget: FCH-JU Contribution:
- Partnership/consortium description

CLIMT GmbH (AT)	
PLANET Energie GbR (DE)	CSMS (PL)
European Fuel Cell Forum (EFCF) AG (CH)	Bana Consulting Ltda (PO)
CEA LITEN (FR)	synergesis consult.ing (AT)

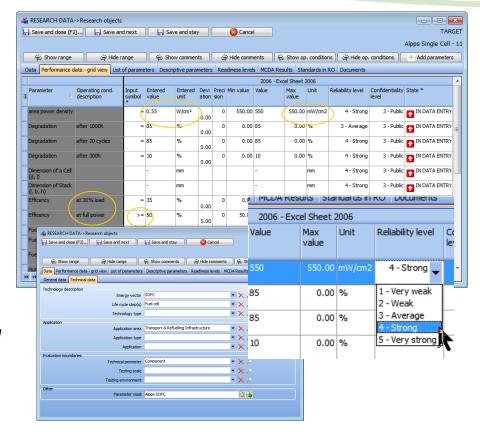
Project achievements Basic Information

• Project main objectives

- Provide the FCH-JU PO with a Technology Monitoring and Assessment Tool that meets the objectives of the 2010 cross cutting call:
- CSA with main purpose to:
 - "enable the FCH-JU to obtain an accurate assessment of progress both towards its objectives and its position within the global field of energy technologies"
- Project scope includes
 - Integrated tool development
 - Methodology development
 - IT implementation
 - Case Studies for validation of the tool
 - Execution and maintenance are not part of the remit
- Project Status
 - Completed
 - Tool Installed, Key Users trained

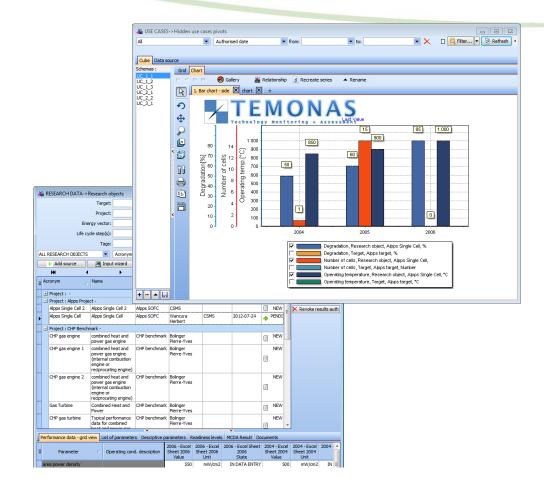
Project achievements Tool Functionalities

- Data Entry Structure Definition
 - Trade-off between completeness of data for broad analytical base and process complexity
 - · Object dependent
 - Description sets
 - Parameter masks
 - Data confidentiality, quality and consistency
 - Confidentiality& quality
 - Source based
 - Exception routines
 - 2 person process with authorization
 - Consistency
 - Imprecise number process
 - Attribute based parameter groups
 - Stringency and tampering with data
 - Full log history and source storage



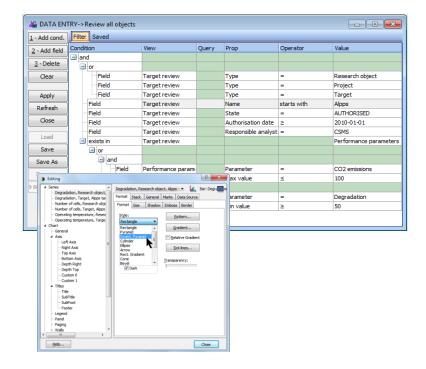
Project achievements Tool Functionalities (2)

- Multidimensional
 Assessment, Benchmarking
 and Monitoring
 - Object based:
 - Research objects,
 - individual
 - aggregated
 - Target Objects
 - Related objects
 - Program objects
 - Call objects
 - Source objects
 - Research performer



Project achievements Tool Functionalities (3)

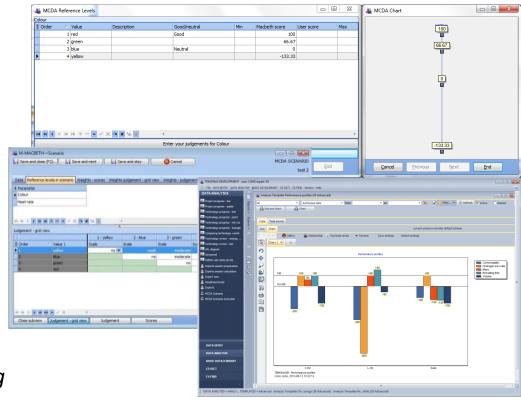
- Single RO assessment to Multiparameter comparison
 - Advanced SQL query editor & pivot table
 - Pre-customised standard evaluations for regular major use cases
 - Project assessment
 - Technology assessment
 - Progress monitoring



Project achievements *Tool Functionalities (4)*

Multi-criteria comparison

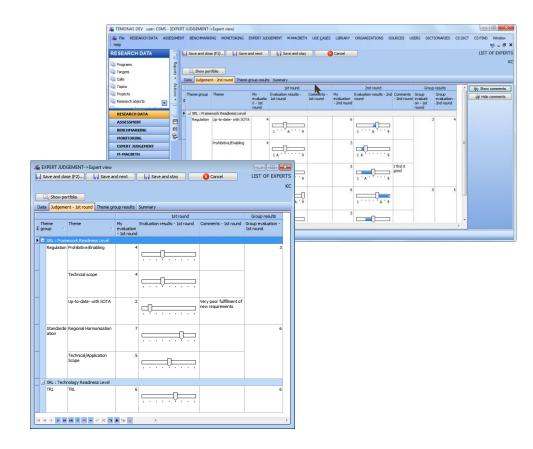
- Implementation of the MACBETH methodology and algorithms
- Normalization (linear/non linear) based on ratings of attractiveness
- Prioritization and weight definition
- Aggregation to single attractiveness rating
- Robustness/Sensitivity testing



Project achievements Tool Functionalities (5)

Commercialization ranking, Radar

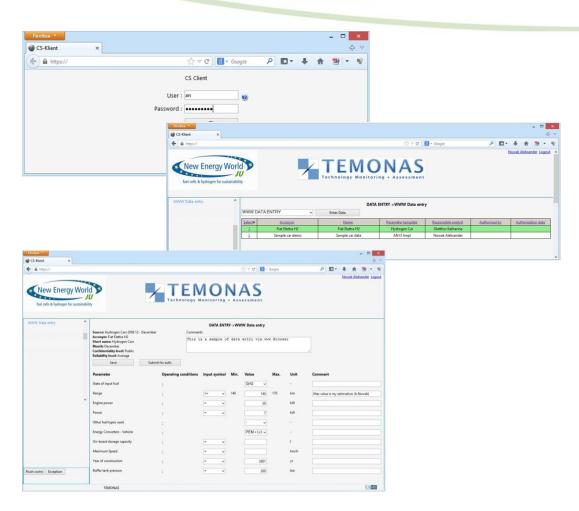
- Additional function of IT supported Delphi polling of experts
- Use of standardized scales
 - Ranking scales
 - TRL, MRL, DDS
 - Likert scales
 - FRL, PCL
 - Market information
 - MA, RCA



Project Utility

Relationship to current and future FCH-JU Activities

- Software will be used by the FCH-JU PO for
 - Project and program assessment
 - Knowledge management
- Part of (future) Open Access Requirements for Projects (as in H2020)
- Content will be individually agreed on a project per project base
- Entry by coordinator via web interface



Project achievements Dissemination Activities

- TEMONAS was tested and presented at various expert workshops and conferences
 - Expert workshops (external)
 - Oldenburg 26.04.2013, Vienna 03.05.2013, Birmingham 14.05.2013
 - Presentations 2012

2 nd International Conference on Leadership, Technology & Innovation Management	Istanbul	October 11-13, 2012	Paper
Fuel Cell Seminar 2012 November 5-8, 2012, Connecticut USA	Connecticut	November 5-8, 2012	Presentation / booth
FCH JU Review Day, Brussels, 28-29 November 2012	Brussels	November 28-29, 2012	Presentation

Presentations 2013

TISS Conference 2013, Mumbai	Mumbai	Jan 22, 2013	Presentation
PACITA Conference, Prague	Prague	March 15-16, 2013	Poster
Fuel Cell and Hydrogen Conference 2013, Birmingham	Birmingham	March 21, 2013	Presentation
Hypothesis conference, Edinburgh	Edinburgh	June 11-12, 2013	Presentation
European Fuel Cell Forum	Lucerne	July 6-8, 2013	Presentation
Final Workshop	Brussels	May 22, 2013	Presentation

www.temonas.eu

Exploitation and Post-Project Activities

- Will continue to be maintained and updated as well as developed further with new features
- TEMONAS is available to other interested organisations
 - Individual or corporate licenses
 - Project consortia via cloud service
 - Consulting services
 - Corresponding agreements have been concluded within the consortium

THANK YOU

and contact us via:

www.temonas.eu