SHC Task 38+ - Contribution of EURAC

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EURAC Research

- is an institute for applied research and further education
- was founded in 1992 as a private non-profit organization
- has over 250 collaborators
- had 2008 a turnover of 13 M€, 50% of which is third party financed
- is currently involved in over 30 EU-funded projects, and responsible for a budget of over 9 M€
Research areas

- Minorities, Autonomies and Linguistics
- Life Science
- Sustainable Development
Institute for Renewable Energy

- Foundation in 2005
  ~ 35 collaborators

- Main field of the activities is Solar energy and buildings
  
  Solar Heating and Cooling Systems
  Energy in Buildings
  Photovoltaic Systems
Monitoring and simulation
Test facility for heat pumps
Products development
IEA and and further experience

- IEA - SHC: Task 38 - Air conditioning and refrigeration - Leader Subtask B
- IEA - SHC: Task 40 - Towards net zero energy buildings - Co-leader ST B
- IEA - SHC: Task 41 - Solar integration in buildings

- IEA - HPP: Annex 34 - Thermal driven heat pumps - Leader Subtask D
- EU projects: Alone, RefSol
Task 38+ - Interest

Subtask B: Detailed design and commissioning procedures
- definition of specific best configurations
- definition of package systems
- quality design and installation procedures

Subtask C: Certification and contracting
- machine/system performance under steady conditions → Quality label
- machine/system performance on seasonal basis: energy harvest → Energy contracting, Auditing, Quality label again?
- machine/system long term performance → Energy contracting, Maintenance programs, Costs analysis
Task 38+ - Contribution

Subtask B: Detailed design and commissioning procedures

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<tr>
<th>IEE Solar Combi+</th>
<th>FP7 Alone</th>
<th>Industrial Velta</th>
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## Task 38+ - Contribution

**Subtask C: Certification and contracting (LEAD ?)**

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*Based on Task 26 procedures + work started at INES, SPF, Eurac, ... ?*

*Based on Task 38, Annex 34, Task 44 monitoring procedures on the site ?*

*Definition of test procedures in the lab?*
Thank you for your attention

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