

Participants

Name	Organisation	Country
Rafael Abad	HABITEC Malaga	Spain
György Szügyi	Archenergy Szeged	Hungary
Ann-Gritt Pannenburg	InWIS	Germany
Björn Exner	Berlin Partner	Belgium/Germany
Jörg Lorenz	green with IT	Germany
Andi Widok	HTW Berlin	Germany
Martina Willenbacher	HTW Berlin	Germany
Via Skype		
Ruben Carrandi	CTIC Gijon	Spain
Tony Kez	Archenergy Szeged	Hungary
Not present		
Marine Fouquet	COMBO Lyon	France
Guillome Roux	Pole SCS Marseille	France
Dr. Anasse Bhoulal	TAMK Tampere	Finland
Eero Nippala	TAMK Tampere	Finland
Kuthi Edvard Balinth	EMI Budapest	Hungary
Dudley Stewart	Megamicro Dublin	Ireland
Daniela Parena	AMET Torino	Italy
Ferruccio Doglione	ACT Torino	Italy
Zane Rudke Dzjuma	LATVIA ICT Riga	Latvia
Vilma Karobliene	NIEC Kaunas	Lithuania
Aleksandra Cicha	IHK Poznan	Poland
Adam Olszewski	WPKLaster Poznan	Poland
Rui Martins	ISQ Oieras	Portugal
Marta Macias	IDENER	Spain
Alejandro Varaz Galvez	CITIC Malaga	Spain
Azucena Bello	GAMMA Madrid	Spain
Carlos Jimenez	CLANER Anadaluz	Spain
Martin Haran	Ulster AK	UK
Carolina Grau	Cluster Energia Extremadura	Spain
Joana Mundó Olivé	Ecoserveis Barcelona	Spain
Federico Cartasegna	EnvironmentPark Torino	Italy
Hans Symanczik	Kieback & Peter	Germany

Action Items

Agenda

1. Welcome and introduction
2. Introduction of participants
3. Questions of the partners
4. Further USP/Excellences
5. The consortia – Strengths from the regions
6. croclima: Background technology of the application
7. Social discussion
8. Deliverables/Work packages
9. The voucher scheme/Financing points
10. Next steps

1. Welcome and introduction

Björn Exner (Berlin Partner Brussels Office), Jörg Lorenz (green with IT), Andi Widok (HTW) and Martina Willenbacher (HTW) welcomed the project partners.

2. Introduction of participants

All participants of the meeting quickly introduce themselves.

Structure of consortia:

- Administration and Management: green with IT/HTW Berlin
- Steering Committee: green with IT/HTW Berlin, Cluster Leaders
- Cluster: Local housing associations, Engineers/Technician/IT, Social evaluation partner, (Tenants)

3. Questions of the partners

Q: Definition of the climatic zones? A: We will follow the EU-rules.

Q: 300 € from housing companies? A: Co-Finance-Modell; Housing companies going on with working with the results of the project after finishing.

Q: What about data security? A: The complete part of data security is implemented in the API.

Q: Why don't we use the home router instead of several gateways? A: Tenants use different providers. There are different deduction models of energy-/heating costs. There are different contract-/agreement situations in the regions.

Q: What about further development of the protocols of the application layer? A: The application layer will fit the international standards.

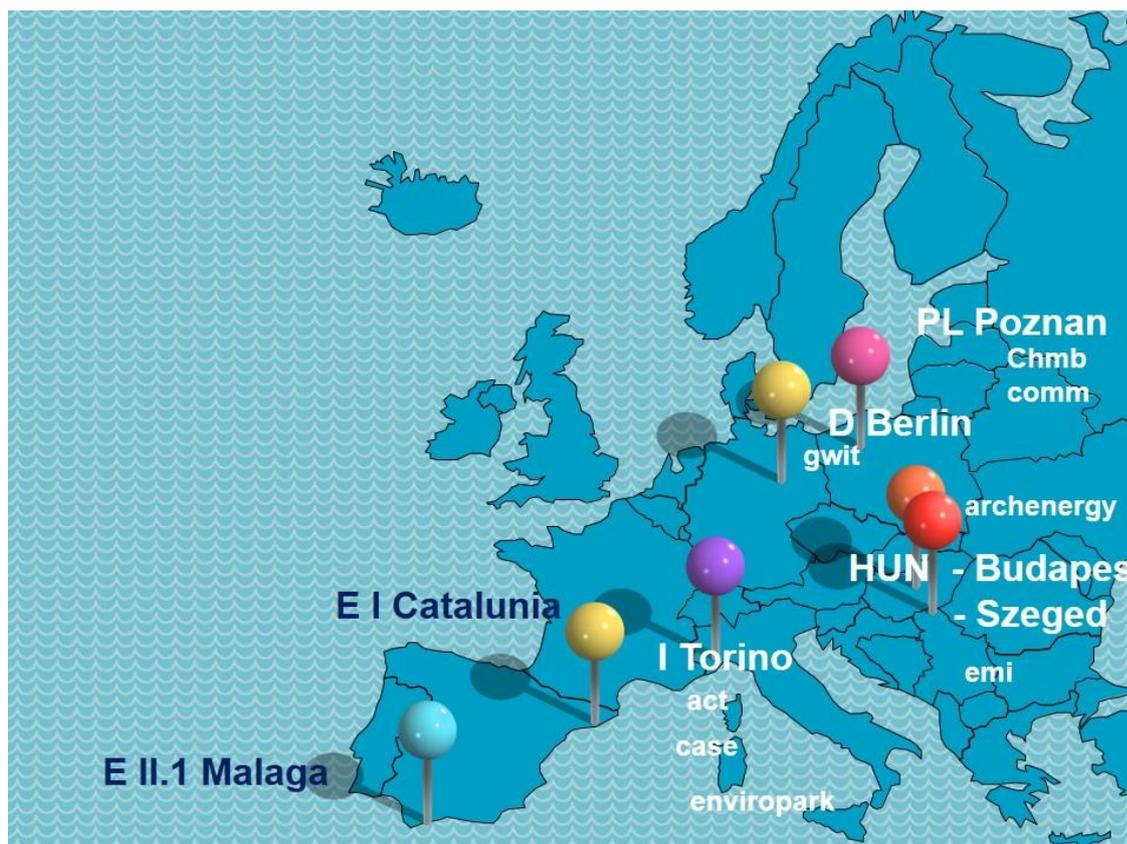
4. Further USP/Excellences

- Integration of more development ideas; Integration of additional services
- Generating of new business case models
- Following worldwide aspects of “sustainability codex” (in Germany DNK for Deutscher Nachhaltigkeits Kodex) to be implemented into yearly reporting duties of CEO’s of all branches including housing companies

5. The consortia – Strengths from the regions

- Experiences in piloting flats with energy producer and supplier: <https://www.endesaclientes.com/>
- Implementation of a Spanish and French pilot line for engaging social housing residents in energy and water efficiency: <https://ses.jrc.ec.europa.eu/energytic>
- Measuring comfort of users with Kaizen methodology with focus on gamification
- Development of a visualization method of energy consumption
- Contacts to housing companies

Overview of the clusters:





6. Croclimate: Our excellence and background technology of the application

- Following OFC-standard first time worldwide in a project like this (combination ee/hvac + ict, more details will follow)
- Easiness usage (not necessary programming by enduser): is doing nothing = easiness? Taking part actively regarding behavior change with a passive process?
- Creating self-learning energy saving processes to support behavior change
- Keeping comfort level on usable level from point of view of enduser
- Easiness implementation environment without using extra power providing by batteries or wires, using energy harvesting protocols to avoid energy consumption
- Energy **avoidance** is as such not used as an official terminus by EU, we are called upon using this by Mr. Perutti from the EASME-branch
- Data integration into ERP-systems for landlords to enable account of reduced energy amounts
- Creating an active energy saving process starting in single rooms, upscalable into whole quarters
- Bringing ICT to a top initiation process to convince endusers in taking part on carbon drop activities
- Initiating co2-**avoiding** processes with low invest tools vs. expensive thermal insulation use cases

See presentation 3: http://green-with-it.com/wp-content/uploads/2016/09/01-2016_09_14_presentation_-green_-with_IT_EnviroInfo_I.pdf and

See presentation 4: http://green-with-it.com/wp-content/uploads/2016/09/02-2016_09_14_presentation_-green_-with_IT_EnviroInfo_II_snp.pdf

See presentation 5: <http://green-with-it.com/wp-content/uploads/2016/10/Pr%C3%A4sentation2.pptx>

Archenergy/ György Szügyi: We will collaborate with EMI and will work on additional cooling aspects of the hardware system.

HABITEC/Rafael Abad: We are ready to cluster the regions of Murcia, Canares and Asturia in Andalusia, collaborating with the university of Sevilla. We recommend the usage of the following EU-tool:

<http://www.empirica.biz/projects/energy/details/?projectid=211>

This is recommended in the call text, we have our own good experiences with that and are ready to bring these experiences into the CroClime project. The university of Sevilla will additionally be able to work on cooling aspects, too.

CTIC/Ruben Carrandi: Heating aspects are highly inquired in the Asturia region. This is a big point of interest for the local housing companies.

7. Social discussion

- Technology should help to change the perception
- Enabling the users with easy and low cost steps to be an active part of **avoiding** energy, communicate the perception of being an active part for climate change by adjusted behaviour
- Just plug and play of the technology: user will change the behaviour because of simply presence or no-presence, additionally with tools for transparency of energy information and consumption
- Satisfaction as a reason to change the behaviour
- Metric: Number of people who changed their behaviour. How can we proof this?
http://eemeasure.smartspaces.eu/static/files/eemeasure_residential_methodology.pdf
- Spain: Actually no national laws for energy measurement

8. Deliverables/Work packages

Please see the attached presentation:

The description of the work packages in detail will follow separately.

9. The voucher scheme

- € 300 own share by housing companies for € 800 each applied flat, clustered in packages of 50
- Aspect of sharing costs for the implementation by users (landlords) administration
- Housing companies should show interest in the pilot line and readiness for furthermore usage of the solution in more flat units as a sign of sustainability.

10. Next steps

- Detailed definition of the work packages, deliverables and milestones
- Generating templates of the work packages for the partners
- Generating templates for additional information of the partners (Core competences, reference projects etc.)
- Revision of the financial plan
- Generating the proposal