

## Participants

Name	Organisation	Country
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Joana Mundo	Ecoserveis Barca	Spain
Miguel Minano Nunez	CITIZEM REGENERERA Extremadura	Spain
Ruben Carrandi	CTIC Gijon	Spain
Jörg Lorenz	green with IT	Germany
Andi Widok	HTW Berlin	Germany
Martina Willenbacher	HTW Berlin	Germany
<b>Via Skype</b>		
Guillome Roux	Pole SCS Marseille	France
György Szügyi	Archenergy Szeged	Hungary
Zane Rudke Dzjuma	LATVIA ICT Riga	Latvia
Azucena Bello	GAMMA Madrid	Spain
Rafael Abad	HABITEC Malaga	Spain
Alejandro Varaz Galvez	CITIC Malaga	Spain
<b>Not present</b>		
Marine Fouquet	COMBO Lyon	France
Dr. Annasse 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
Vilma Karobliene	NIEC Kaunas	Lithuania
Aleksandra Cicha	IHK Poznan	Poland
Adam Olszewski	WPKLaster Poznan	Poland
Rui Martins	ISQ Oieras	Portugal
Marta Macias	IDENER	Spain
Carlos Jimenez	CLANER Anadaluz	Spain
Dr. Y K Chen	University Hertfordshire	UK
Martin Haran	Ulster AK	UK
Micael Gustafsson	Clusterland Sweden	Sweden
Karin Nygard Skalman	IFTAC	Sweden

**Action Items****Agenda**

1. Welcome and introduction
2. Introduction of participants
3. Status of croclime project – Key concepts of EE7
4. Funding basic points
5. croclime: Background technology of the application
6. The voucher scheme
7. Objectives, scopes, impacts
8. Disruptive aspects of the application
9. Ideas for dissemination
10. Design and Framework of the application tool
11. Next steps

**1. Welcome and introduction**

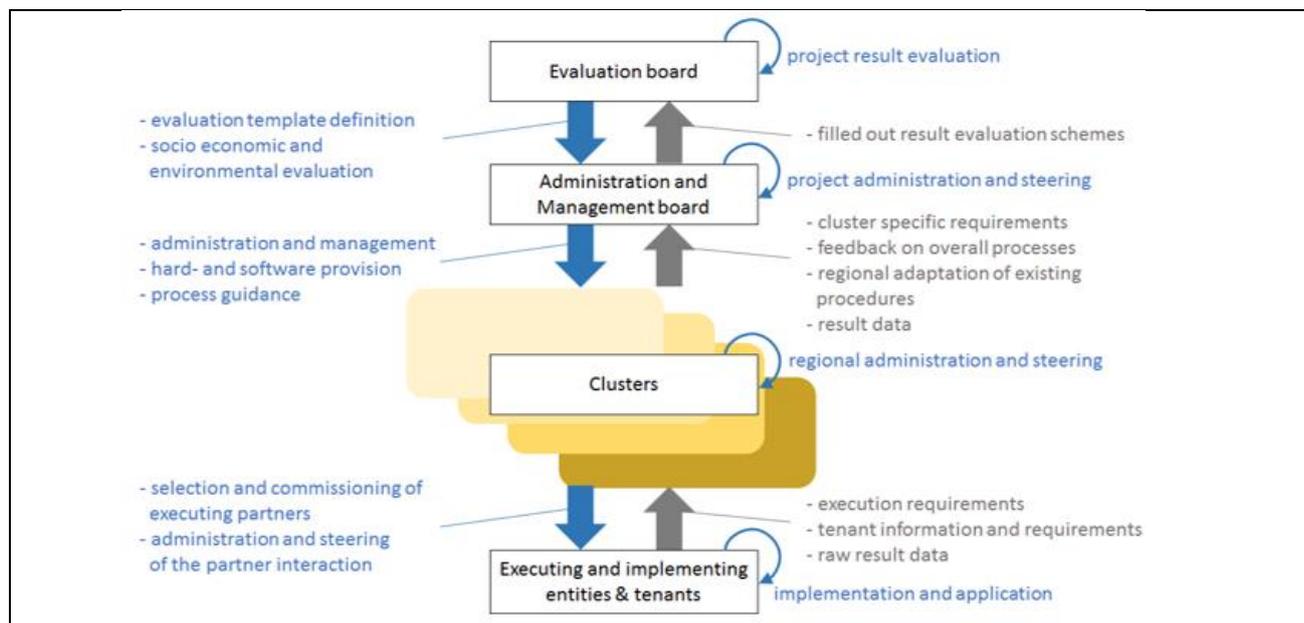
Hennes Lebert (Berlin Partner), Jörg Lorenz (green with IT) and Andi Widok (HTW) welcomed the project partners.

**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. Status CroClimate – Key concepts of EE7

#### 3.1. Concept requirements:

- Demonstrating that ICT-based solutions can contribute to saving energy by motivating and supporting behavioural change of energy end-users
- Integration and validation of different technological elements, each element with at least TRL 6, combined with appropriate business models and social acceptance parameters
- Identifying of factors influencing consumer choices (gender, socio-economics, demography, cultural differences)
- Identifying the impact of consumer behaviour on the energy system

#### 3.2 Proposal requirements:

- Efficient and compact consortia (interdisciplinarity)
- Technology and solutions shall be deployed in a variety of building types located in at least two different climatic regions in real environments
- Ethical review necessary (proposals considered for funding will undergo an Ethics Review carried out by independent ethics experts)
- Proposal page limit: 70 pages
- Score > 10 points by evaluators

See presentation 1: [http://green-with-it.com/wp-content/uploads/2016/09/info\\_day\\_call2017\\_parallel\\_sessions\\_ee07\\_ee12\\_and\\_ee20\\_20160916.pdf](http://green-with-it.com/wp-content/uploads/2016/09/info_day_call2017_parallel_sessions_ee07_ee12_and_ee20_20160916.pdf)

See presentation 2: [http://green-with-it.com/wp-content/uploads/2016/09/h2020\\_ee\\_info\\_day\\_2016\\_how\\_to\\_prepare\\_an\\_excellent\\_proposal.pdf](http://green-with-it.com/wp-content/uploads/2016/09/h2020_ee_info_day_2016_how_to_prepare_an_excellent_proposal.pdf)

#### 4. Funding basic points

Innovation Action (see pres 1): Action that demonstrate the viability of new technologies and solutions or support their first deployment in the market.

Funding: 100 % for NPO, 70% for enterprises

Duties for enterprises: Housing companies, Science (not institute), Engineering, IT, Social, Education (not institute)

#### 5. Croclime: Our excellence and background technology of the application

- Easiness usage (not necessary programming by enduser)
- Creating self-learning energy saving processes
- 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 and energy avoiding
- Data integration into ERP-systems of 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

See presentation 3: [http://green-with-it.com/wp-content/uploads/2016/09/01-2016\\_09\\_14\\_presentation\\_-green\\_-with\\_IT\\_EnviroInfo\\_I.pdf](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](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>

#### 6. The voucher scheme

- 100 % for the clusters as a leading partner (NPO)
- IT, engineering, housing and social evaluation are voucher-paid
- € 1.300 per flat as a first basic point of discussion, details will follow
- Calculation based upon 50 flat units (FU)

#### 7. Objectives, scopes, impacts

Objectives:

- Establishing cost-effectiveness: Why us and not the others - low invest facts due to our usp's will follow
- Making energy usage data accessible to the consumer (b2c) and third parties (b2b)
- Aspects of data safety and security
- Demonstrate energy savings without compromising comfort

Scopes:

- Innovative user-friendly digital applications with the purpose to significantly enhance energy

efficiency by behavioural change of end-users taking informed decisions

- May integrate other solutions such as building/home security or health monitoring
- Integrate and validate different technological elements each of them at least TRL 6, with appropriate business models and social acceptance parameters
- Efficient and compact consortia
- Impact of indoor climatic conditions on health, productivity and comfort
- Deploy solutions in a variety of building types located in at least two different climatic regions
- Take into account running projects from EE-11-2014&2016 and others
- Address ethical and data protection issues
- Refer to implementation of COP21 (<http://www.cop21.gouv.fr/en/les-mots-de-laccord/> and [http://green-with-it.com/wp-content/uploads/2016/09/02-2016\\_09\\_14\\_presentation\\_-green\\_-with\\_IT\\_EnviroInfo\\_II\\_snp.pdf](http://green-with-it.com/wp-content/uploads/2016/09/02-2016_09_14_presentation_-green_-with_IT_EnviroInfo_II_snp.pdf))

Impacts:

- Significant reduction of final energy consumption prompted by the innovative ICT solutions, clearly quantified and substantiated
- Deployment and adoption of ICT solutions prompting behavioural change and EE, including plans for sustainability after the project's life
- Number of energy end-users changing their behavior with extrapolatable consequences to carbon sheet balance matters

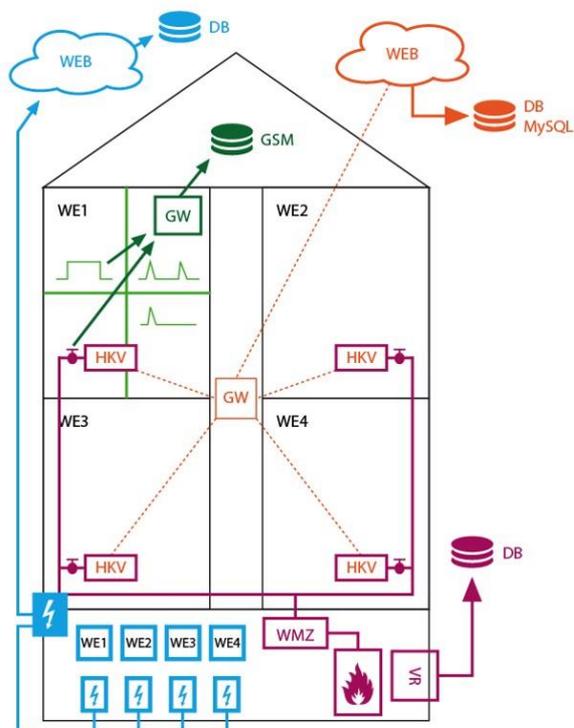
**8. Disruptive Aspects**

- View on both: warming AND cooling technologies
- Addressing a large group of people in different European climate zones (tenants of housing companies) -> focussing a mass market
- Data security -> circuit board with combined chip (no data collection, no advertisement)
- Not only energy saving but energy **avoidance in use cases, that have not been implemented before**
- Providing a concept and technology to make behavioural changes in energy saving measurable
- Feeding national balance sheets with impact facts of measurable saving amounts implemented by end users due to their changed behaviour

**9. Ideas for dissemination**

- Strong partnerships and alliances to cover the overall value chain
- Cost reduction (measurable energy avoidance in a mass market)
- European-wide deployment
- Observance of COP21-guidelines (<http://www.cop21.gouv.fr/en/les-mots-de-laccord/> and [http://green-with-it.com/wp-content/uploads/2016/09/02-2016\\_09\\_14\\_presentation\\_-green\\_-with\\_IT\\_EnviroInfo\\_II\\_snp.pdf](http://green-with-it.com/wp-content/uploads/2016/09/02-2016_09_14_presentation_-green_-with_IT_EnviroInfo_II_snp.pdf))

**10. Design and framework of the application structure**



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

**11. Next steps**

- Definition of work packages, deliverables and milestones
- Collaboration work until next meeting
- Meeting done end of November in the Berlin office in Bruxelles with introducing application facts to decision makers EU, details about date and agenda will follow