

**Participants:** Christian Blumer, Stefan Bossard, Ruzica Dimova, Rolf Grau, Jürg Gutknecht SI president, Matthias Huber, Beat Koch, Klaus Landl, Wolfgang Lohmann, Masoud Mazhar, Christian Marchand, Niklaus Meyer, Sean Murphy, Robert Nilsson, Christen Oesterbye, Klaus Schulz, Rolf Zollinger

Location: ZKB, Neue Hard 9, 8005 Zürich

**Agenda:**

09:00 Welcome by Rainer Gachnang, Head of IT at ZKB  
09:15 Overview of current activities (Niklaus Meyer)  
09:30 Foundation of a Green IT cluster in La Suisse Romande (Christian Marchand)  
09:45 Project Green Data Center with EnergieSchweiz and Asut (Beat Koch)  
10:00 Sustainability Assessments Workshop at ICT4S in Stockholm (Beat Koch)  
10:15 Software for Green IT Measurement and Management (Robert Nilsson, Born Green Technologies)  
10:30 Coffee  
10:45 New Financing of the Green IT SIG (Niklaus Meyer)  
11:00 Green IT activities in the Enterprise, exchange of experience (all)  
11:45 Final discussion, next steps (Niklaus Meyer)  
12:00 Lunch at ZKB

**1. Green IT at ZKB**

Many thanks to Rainer Gachnang and Matthias Huber for hosting us at ZKB. In his welcome address Rainer Gachnang provided some information about the activities of ZKB. Some excerpts of the sustainability area in general and the Green IT projects in particular:

- The new data center, which started its operation in 2013, allowed to save energy in the order of 1.4 Mio kWh per year
- ZKB has implemented server consolidation and client virtualization (thin clients)
- Special tear-proof recycling paper
- Sustainability issues are included in the procurement process (purchase of ICT equipment)

**2. Members**

We are pleased to welcome Rolf Grau, Klaus Schulz and Robert Nilssen as new members and we are honored by the visit of SI president Jürg Gutknecht. Our Green IT Special Interest Group is now counting well over 30 members.

**3. Current Activities (see slides)**

- Co-operation EnergieSchweiz → Data Center
- Education: CAS Green IT at HSLU, next steps
- ICT4S in Stockholm with workshop „sustainability assessments“ (new book Hilty/Aebischer)
- Final touches on Green Data Center Assessments
- Website status, frequency of accesses (Ruzica)
- BFE Trendwatching Group meeting at EMPA (Klaus & Klaus)
- Presentation „GreenIT für die Energiewende“ at Telenetfair (Klaus)
- Presentation at Data Center World in Frankfurt: „when the cloud hits the ground“ (Marcel)
- DACH Doktoranden Workshop (11/12 11 2014)
- DACH EnergieInformatik Konferenz (13/14 11 2014) ([www.energieinformatik2014.ch](http://www.energieinformatik2014.ch))

#### **4. Foundation of a "Green IT Antenne Romande" (see slides)**

Christian Marchand, Christian Blumer, Jérôme Kolly and Fabrice Chapuis will start on November 10 a Green IT cluster in the La Suisse Romande. There is great enthusiasm in La Suisse Romande about sustainability issues and we expect a lot of inspiring ideas from this new venture.

#### **5. Project Green Data Center with EnergieSchweiz and Asut (Beat Koch)**

EnergieSchweiz asked our team to provide a project proposal for the reduction of energy consumption in the data centers in Switzerland. The Swiss Telecommunications Association (ASUT) is part of this venture. Basis for this request was a recent data center study

(see our news <http://greenit.s-i.ch/de/home/services/news/rechenzentren-mit-28-stromverbrauch-in-der-schweiz>). Beat Koch and Doris Slezak are in the project team and will contact Green IT Team members for input at the proper time.

#### **6. Sustainability Assessments Workshop at ICT4S in Stockholm (Beat Koch)**

The detailed minutes are documented at

<https://drive.google.com/folderview?id=0B119IFEEzNIPT2ZjZkl6UUFVRjQ&usp=sharing>

Delegates from four countries (Netherlands, United Kingdom, Finland, Switzerland) are interested to start an Assessment project at the European level and try to get funding by the EU.

#### **7. Software for Green IT Measurement and Management (Robert Nilsson)**

BORN Green Technologies (BGT) have experience with software based energy measurement and monitoring. They use the product from CISCO (originally JouleX) and can demonstrate substantial energy and CO2 savings with existing clients. BGT has developed a full solution with Plan, Design, Implement and Measure Services (separate slides).

#### **8. Funding**

The proposal for funding of ongoing activities, especially Web services, as proposed by Vincent Eckert at the last meeting, has again been presented and discussed (separate slides). The participants were asked about their opinion of this proposal and there was enthusiastic support for it. The next steps are now the development of a fact sheet which the members of companies can bring up to their management and which we can be used also in our mailings and letters to interested parties.

Jürg Gutknecht mentioned the possibilities of Certifications as potential income, as with for example the European Computer Driving License (ECDL). This is one of the classical functions of the SI and there is work on a general SI certification project. Certifications in Green IT (as stipulated in our Green IT SIG objectives), such as for Green Data Centers, Green ICT operations/departments, Green ICT professionals, etc. need to be further developed.

Characteristics of the SI which could be of interest are: Neutrality, ethical code, industry & media relations, bridge between academia and industry, reduced fees for members for events, experience of other SI interest groups, etc.

#### **6. Next meeting**

The next team meeting will be organized in the January/February 2015 time frame, a doodle link will be sent around in December. Potential meeting locations are Zurich (Detecon or IBM) and Winterthur (ZHAW). We will plan a common yearly meeting with our colleagues in La Suisse Romande in the region of Bern.

Many thanks for all your contributions

Klaus

3.11.2014/NM