

## **The quality-of-lighting is crucial for quality-of-life!**

### **Lighting for sustainable business development**

Workshop, [www.erscp2012.eu/workshops.htm](http://www.erscp2012.eu/workshops.htm)

European Round Table of Sustainable Consumption and Production

ERSCP 2012 Bregenz, Austria, 2 May 2012

Lighting is a major sustainability concern. There is great technical and business development potential for better lighting solutions. Another aspect is that there is new knowledge about the importance of the quality-of-light for human wellbeing and health.

The development is very rapid for lighting related technologies and businesses, e.g. smart LED-based lighting systems. Better control and modern light sources can save 80-90% of the lighting related electricity. This has been noticed by authorities and strong drivers for renewal of the lighting sector, e.g. the EU Ecodesign Directive. It is essential to avoid and stop ineffective use of lighting. Production of disturbing light, e.g. glare is a double damage.

The workshop aims for a meeting of minds between environmental priorities and business development interest, focusing on the societal interest in better lighting.

#### **Engagement in better lighting is vital to enable e.g.:**

- **Energy savings and reduction of environmental risks**
- **Attractive productive work-places for quality-of-life**
- **A company identity that shows positive engagement**

Introductory presentations:

- High quality lighting as a development opportunity for Europe  
Reine Karlsson, Prof. Ecodesign, TEM Foundation at Lund University, Sweden
- The technical frontier for LED and Smart Lighting  
Kristoffer Johnsson, General Manager, Johnsson Lighting Technology AB, Sweden
- The attractiveness of new forms of lighting in architecture  
Vivi Katarina Hennig, Lighting Designer PLDA; Hennig Design AB, Sweden
- High quality lighting as a branding tool for Sustainable Tourism  
Helmut Burtscher, Dipl.Ing. (FH), Leiter Gebäudetechnik und Energieservice Vorarlberger Illwerke AG
- The medical importance of High Quality Light  
Klas Sjöberg, Physician, Ass. Prof., Clinical Sciences, Lund University. Senior Consultant and Vice Head, Dept of Gastroenterology and Nutrition, Skåne University Hospital, Sweden

## Notes after the workshop

The work-shop had 15 participants:

- Facilitator from Melange
- Workshop leader Sweden
- Presentation of lamps and activities in Bregenz, Helmut
- Four presentations from Sweden
- Five participants from local industry
- Three participants from universities in other countries
- Don Huisingh, Chief Editor for Journal of Cleaner Production

The workshop dialogue made use of the conference setting that had been arranged by Willy Sieber. This setting included true engagement from local business leaders and development actors, in Sustainable Consumption. The round table setting provided a good basis for open dialogue, which worked well as a platform for real life participative illustration of how the Swedish group is making use of a multidisciplinary perspective and open dialogue.

The workshop had a high level of engagement from all the participants. Some of the reasons for the mutually rewarding dialogue seem to be that:

1. Lighting is a topical subject area
2. The dialogue was open-minded and inclusive.
3. The workshop included real life work demonstration of light sources, variation of the lighting in the room and spectrometers for studies of the light sources in the room.
4. The presentations included parts with personal relevance, mainly the health aspect of light and photos of the possible ambiance with different kinds of lighting.