

How ecodesign of products and services can embrace the use stage ?

Opportunities and challenges to improve
global environmental performance
through genuine usage integration during design

8.30-12.15 Toward a use stage integration during eco-design: Get inspired by good practices

8.30 Registrations

9.00 Welcoming Speech: EcoSD network and program of the day

9.30 Design for Sustainable Behavior and Practices

Dr. Pettersen (NTNU-Norway)

10.20 Coffee Break

10.45 Roundtable 1: Feedback from successful initiatives of use stage
integration in the building sector

Chairmen:

Guillaume Ansanay (CSTB) and Bernard Yannou (Centrale Supélec)

12.15 Lunch Break (Buffet)

13.30-17.00 Opportunities to challenge this integration

13.30 Roundtable 2: Capturing usage for eco-design activities

Chairmen:

Xavier Durieux (Orange) and Peggy Zwolinski (Grenoble-INP)

15.00 Coffee Break

15.30 Roundtable 3: Representing usage in eco-design and product
development

Chairmen:

*Anne-Laure Lescaut (Zodiac Aerospace) and Dominique Millet
(Seatech)*

16.30 Closing speech

EcoSD Network is a French association which main objective is to encourage collaboration between academic and industrial researchers in order to create and spread advanced knowledge in the ecodesign fields. This initiative aspires to help a global sustainable development process on national and international levels. For more information go to : <http://ecosd.fr/en/>

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Roundtable 1: Feedback from successful initiatives of use stage integration in the building sector

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- 10.45
- Evaluation of the influence of occupants' behaviour on Building Energy performance using a stochastic model
Dr. Eric Vorger, Dr. Patrick Schalbart, Dr. Bruno Peuportier – Mines Paritech
 - Activity-based simulation of households' energy and water consumptions
Bernard Yannou, Yann Leroy, Toufic Zaraket, Stéphanie Minel, Emilie Chapotot - Université Paris-Saclay – Centrale Supélec; ESTIA
 - Extending usage and value creation perspectives of a building by value and externalities management: the DECADIESE methodology
François CLUZEL Bernard YANNOU Pascal DA COSTA, Christophe GOBIN – Université Paris-Saclay, Centrale Supélec; Vinci Construction
 - Game as measurements tool of the real uses in dwellings to reduce energy consumption
*Audrey ABI AKLE, Emilie CHAPOTOT, Iban LIZARRALDE
Jérémy LEGARDEUR – ESTIA*

11.15 Discussion

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Roundtable 2: Capturing Usage for eco-design activities

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13.30

- A user centered ecodesign approach to support the design of upgradable products

*Emmanuelle Cor, Peggy Zwolinski–
Univ. Grenoble Alpes*

- Exploring users' practices through the use phase of a television to minimize the environmental impact

*Claudia Déméné -
Université Laval, École de design*

- Some Fundamentals on Development of usage models for the ecodesign of products: the concept of usage eco-drift

*Alexandre Popoff–
Université de Toulon*

14.00

- Discussion

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15.30-16.30

Roundtable 3: Representing usage in eco-design and product development

Chairmen:

Anne-Laure Lescaut (Zodiac Aerospace) and Dominique Millet (Seatech)

15.30 Toward an ergonomic environmental ideal for telecom products
*Lucie Domingo, Marc Vautier, Cedric Bertolus–
Univ. Grenoble Alpes, Orange*

Interoperability of usage models during product development
*Maud Rio, Lucie Domingo–
Univ. Grenoble Alpes*

15.50 Discussion