

HEET - Hotel Eco-Efficiency Tool

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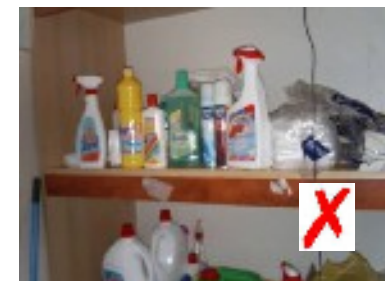
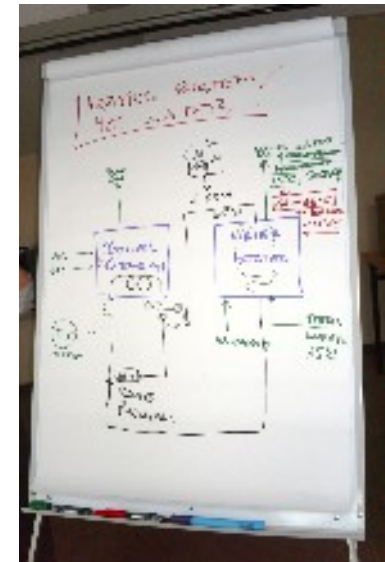


Content

1. Cleaner Production Experiences in the Hotel Industry
2. Labels and Tools Jungle for more Sustainable Hotels
3. **HEET – Hotel Ecological Excellence Tool**

Cleaner Production (CP) Experiences

- Competencies of Institute for Ecopreneurship (IEC)
 - Resource management
 - Water management
 - Waste management
 - Cleaner production in industries
- Assessments in luxury hotels
- Training for CP consultants (UNIDO)
- Lessons learned



Labels and Tools

- Labels and tools jungle
- Specific focuses (e.g. energy and water)
- Low implementation rates
- Real estate investors and hotel operators are often different entities



→ Important are not labels or tools, but implementation of measures

Future: HEET

Project co-financed by Swiss Commission for Technology and Innovation to develop a
Globally competitive and sector-specific software tool linked with a service concept to identify and implement eco-efficiency measures in the hotel industry

Features:

- Simple data input in an online database
- Easy calculation of the overall ecological footprint of the hotel
- Comparison to other hotels and benchmarks - **driver for improvements**
- Information about hotel process improvement areas with the highest potential
- Focused recommendations for standard solutions with high economic and ecological benefits

Input data software

facilities (e.g. number rooms)
sales data (e.g. guest nights)
material, energy, waste data
and costs



Hotel as
black box



Output results software

Benchmarks (e.g. energy,
water waste/ guest night)

**Overall footprint under
consideration of local
conditions**

Inputs and Outputs of a
process (e.g. energy
material)
infrastructure and
equipment data



summarized hotel processes



overall footprint (e.g. hotel)
specific footprint (e.g. CO2 /
guest night), focus for in
depth analysis

**Footprint on process level
and saving potentials**

For focus
processes:



inputs, outputs,
technology, costs,
level of optimization

details for focus processes

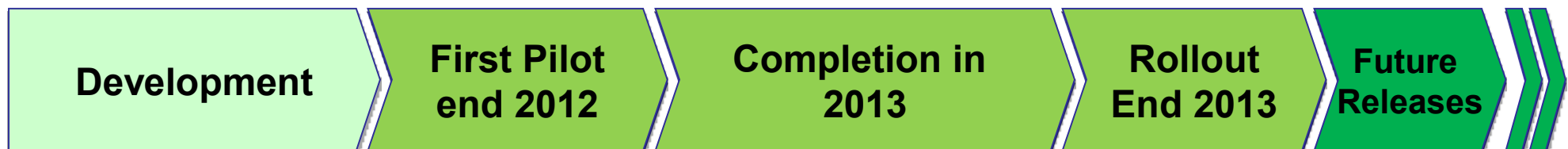
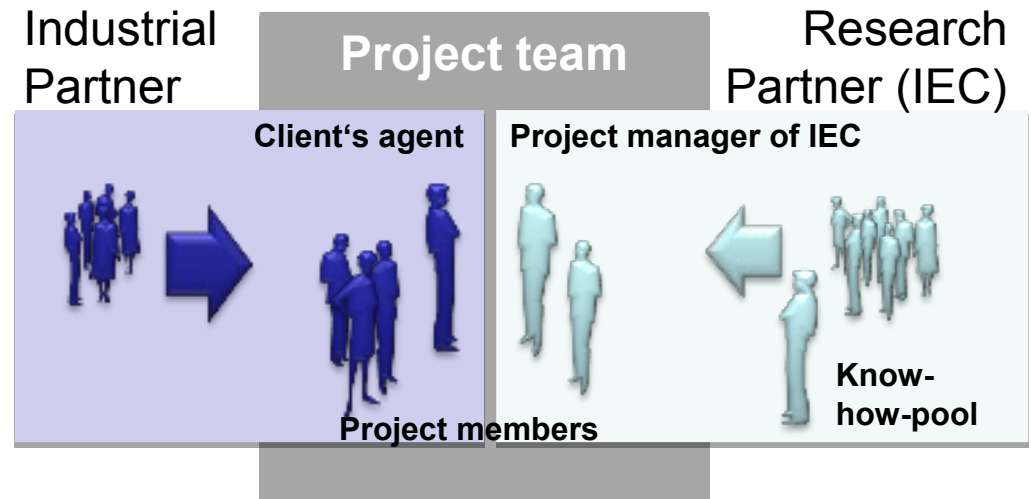


Evaluated
good house-keeping and
technology options

**Specific eco-efficiency
evaluation of measures**

HEET – Approach

- Close cooperation with end users for a customer-oriented solution
- Concept development based on international experience and in collaboration with specialised consultant
- Web-based application
- Timeline



HEET - Benefits

- Extended focus on eco-efficiency to support management decisions for reduction of overall footprint and costs
- Offers a cost-effective first eco-efficiency and footprint analysis
- Shows simple cost saving with first measures and supports implementation
- Costly consultancy work at site can be focused on more challenging technical questions or training measures
- Shows measures for environmental improvement with high image refinement potential
- Allows monitoring of improvements

Overall benefits: Increase of implementation rates

HEET – Discussion points

- Main criteria for tool use for hotel management?
- Main criteria for measures implementation for hotel management?
- Forcing implementation, what are your experiences and approved approaches?



Thank you for your attention and contribution!

