

Perfectly healthy and comfortable building

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PERFORMANCE INDICATORS FOR HEALTH, COMFORT AND SAFETY OF THE INDOOR ENVIRONMENT - PERFECTION

The **PERFECTION** project focuses on the assessment of the performance indicators for improving the indoor built environment which is of particular concern given the fact that most people spend almost 90% of their life inside buildings [OECD 2003]. Therefore in the first phase of the project a set of key performance indicators concerning the overall quality of the indoor environment has been elaborated followed by a model and an online tool to assess buildings, products and services from the point of view of indoor environment impact.

Within its 3rd work package PERFECTION is also working on recommendations for policies, design and technologies. With the first task of WP3, barriers and incentives to the use of indoor performance indicators were identified by the Polish partner. Following **BARRIERS** have been considered in the analysis: existing legislation, standards and normative documents; market acceptance and old habits (conservative sector); lack of (or low) awareness of technologies; high cost; lack of coherence between national, regional, municipal approaches; lack of proven positive experiences with technologies that are currently under development; previous negative experiences with earlier generations of a certain technology; not enough effectiveness depending on the type/size of the building; negative influence on other building parameters; technology not easy to use/install; focused on or available in one country/region only; homologation process which can change the appearance of the building; limited area of use; technology fear.

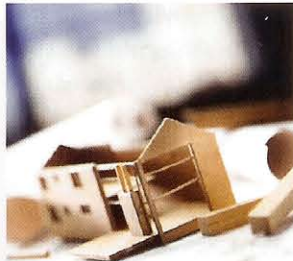
On the other hand, acceleration of the intake may be supported by following **INCENTIVES**: legal requirements; (indirect) target values in regulation and in normative or certification schemes; financial incentives (subsidies, tax reductions); public procurement and innovation; there is a specific need of



the new technology; economic benefit of the new technology; positive experiences of first adopters; applicability in all phases of building design, construction, renovation and maintenance; the initial cost and the life cycle cost of the building (cost-effectiveness); environmental labelling schemes as well as aspects related to the technology itself: easy to install/use, reliable, flexible and adjustable, convenient, focused on individual needs, good for retrofitting, efficient and/or multifunctional, environmentally friendly, works better than the previous technologies, attractive design, improved control, holistic solution. The work of this task is currently used to define policy recommendations and a technology and policy roadmap.

Upcoming event:

PERFECTION Business-Focused Event organised during "Greek Money Show" in Thessaloniki on the 25th-29th November 2011 to demonstrate concepts, indicators and tools developed in the project.



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