



Sustainable Smart Eco-Buildings in the EU (Smart-ECO)

WP5: Stakeholders

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WP5 Partners: BMG, Tallinn, TNO, CIB
SINTEF, MILANO



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WP5: Stakeholders

- **Workpackage Objective**
 - Involve relevant stakeholder groups in the establishment of the vision for sustainable building as well as in the assessment and evaluation of elements that are contributing to a development that is in line with the vision.
 - “Physical grounding” of SMART-ECO’s work and results with all the Stakeholders
 - Produce Deliverable D6 Report on “Market perspectives on Eco-buildings and stakeholders”



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Setting up Smart-ECO Stakeholders Group

- **Stakeholders include**
 - **Technical Experts, Architects, Material Experts, Builders, Developers, Industrialists, Educationalists, Researchers, Policy Makers, Consultants, Engineers, etc**
- **Details of Stakeholder Group**
 - **Over 250 contacts worldwide approached**
 - **62 Members agreed to join Smart-ECO SG**
 - **45 “High” involvement (mtgs)**
 - **8 “Medium” involvement (docs)**
 - **9 “Low” involvement (Q’s)**



16 present here



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Smart-ECO Questionnaire #1: Vision

- **Questionnaire #1: Vision**
 - **41+14 completed questionnaires (still on-going)**
 - **Wide consultation + ISO + CIB docs supported**
 - **Different approaches for new and retro buildings**
 - **Priority issues identified by SG Members**
 1. **Life cycle**
 2. **Minimise energy**
 3. **Monitoring**
 4. **Good user manuals**
 5. **Local issues**
 6. **Good adaptive capabilities**



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Smart-ECO Questionnaire #2: Innovations

- **Questionnaire #2: Innovations**
 - **32+5 completed questionnaires (still in progress)**
 - **Q3: Most important issues?**
 - 1) R&D, 2) Exchange knowhow, 3) Technology transfer, 4) Codes & standards, 5) Global market
 - **Q4: Most important stakeholders?**
 - 1) Researchers, 2) Architects, 3) Clients/ Developers, 4) Manufacturers, 5) Engineers
 - **Q7: Most important types of buildings?**
 - 1) Residential, =1) Offices, 3) Shops, 4) Hospitals
 - **Q8: Most important stages of a building?**
 - 1) Design, 2) Refurbishment, 3) Construction, =3) Operation



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Smart-ECO Questionnaire #2: Innovations (Cont)

- **Questionnaire #2: Innovations**
 - **Q9: Highest impact innovations?**
 - 1) Passive design measures, 2) Finance and incentives, =2) Renewable energy generation
 - **Q12: Best energy saving technologies?**
 - 1) Insulation, 2) Passive cooling, 3) Passive solar, 4) Orientation, =4) Lighting
 - **Q13: Best renewable energy technology?**
 - 1) Solar thermal, 2) Co-generation, =2) Earth energy, 4) PV, 5) Biomass
 - **Q15: Best operational aspects?**
 - 1) BMS, =1) Automation, 3) Monitoring, 4) Robustness to users, 5) Waste management



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