

## Session 4:

# Growing sustainable chemistry through the supply chain (part 2): sector-specific challenges

- **Building Break-out Group (BOG)**  
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## GREATEST BOTTLENECKS IN THE SUPPLY CHAIN

- **LACK OF UNDERSTANDING AND NEED SURROUNDING GREEN CHEMISTRY IN THE BUILDING SECTOR**
- **DIFFICULT TO QUANTIFY FUTURE SAVINGS: A SUSTAINABLE DURABLE BUILDING IS MORE EXPENSIVE IN CONSTRUCTION, THE MONEY SAVES COME LATER (BUT: THE BUILDER IS OFTEN NOT THE LATER OWNER)**
- **WORKFORCE TRAINING IS A DETERRENT TO NEW PRODUCTS AND NEW APPLICATION METHODS.**
- **CONCERN OVER THE PERFORMANCE AND LONGEVITY OF GREEN PRODUCTS**
- **VALUE OF GREEN CHEMISTRY NOT CLEAR:**
  - Assessment at the level of product or building?
  - Are renewable materials better?
  - Sustainable is not only Influenced by chemical composition but by durability
  - Sustainability is often associated with energy savings only
- **INVESTMENTS COSTS ARE VERY HIGH TO DEVELOP NEW PRODUCTS**

## WAYS TO SPEED THE ADOPTION OF GREEN CHEMISTRY - EXAMPLES THAT HAVE WORKED (VOLUNTARY, REGULATORY)

- **ENCOURAGE GREEN CHEMISTRY IN BUILDINGS BY HIGHLIGHTING CERTIFICATIONS (E.G. THE UBA-BUILDING CERTIFIED WITH BNB-SCHEME, IN UK THE BREAM-SCHEME, IN USA LEEDS)**
- **HAVE INFORMATION SHARING SYSTEMS LIKE GISBAU INFORMATION SYSTEM (SUBSTITUTION INFORMATION FOR CONSTRUCTION WORKERS FROM THE PUBLIC OCCUPATIONAL INSURANCE)**
- **LABELS AND ASSESSMENT SCHEMES FOR PRODUCTS (E.G. IN GERMANY AGBB-SCHEME FOR LOW EMISSIONS PRODUCTS IN INDOOR AIR)**
- **ALTERNATIVES MUST BE AVAILABLE (E.G. FOR ASBESTOS – BIODEGRADABLE FIBERS)**
- **INFORMATION ON ALTERNATIVES (E.G. SUBSPORT INFORMATION PORTAL)**