

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)