INTEGRATING VALUE CHAIN APPROACHES TO DETERMINING BEST AVAILABLE TECHNIQUES FOR INDUSTRIAL INSTALLATIONS

Challenges
- Installation-level
  - Factors outside facility control
  - Lack of product information from suppliers
  - Cost and benefits of value-chain thinking
- BAT Reference document (BREF) development
  - Adequate Stakeholder representation
  - Timelines for BREF development vs technological advancements
  - Regulatory scope constraints
  - Data gathering from installations and analysis being lengthy process

Possible solutions
- Explore Value Chain integration opportunities
- Develop new sources
  - Sustainable Energy BAT
  - Sustainable cities BAT
- Strengthen existing regulation
  - Introduce screening criteria
  - Produce variant BREFs or industrial cluster studies
- Existing resources
  - Leverage information schemes
  - Promote "Eco-label" and voluntary programmes
  - Increase use of life cycle assessment tools

Value chain
- Extraction of raw materials
- Decarbonisation
- Green Chemistry
- End-of-use
- Material processing
- Logistics
- Recycling
- Recovery
-Reuse

Circular Economy
- Product design - production - packaging - distribution - use - maintenance
- Resource Efficiency