Chemical Industry Initiatives

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ICCA (International Council of Chemical Associations)

Global Executive Strategy Group

Board of Directors (CEOs)

Steering Committee (National Federations)

Energy & Climate Change LG

Chemicals Policy & Health LG

Responsible Care LG

Communication LG

- Recognize responsibilities as large energy user & solutions provider.
- Advocate to accelerate own emissions reductions & extend chemistry capabilities for efficiency/GHG improvements in value chain.
Progress Review 2013

- **Efficiency via Catalysis Roadmap** with IEA & DECHEMA published
  - Chemistry Roadmap web launch – IEA/Paris
  - Launch event in Washington DC with Ambassador Jones

- **cLCA project** work completed
  - Executive LCA Guide published
  - Avoided Emissions Guideline finalized

- Ongoing review work for IEA Buildings Envelope Roadmap

- Additional regional outreach for roadmaps and guidelines (ongoing)

- COP19 Side Events in November (in preparation)
Energy and Climate Change (E&CC)

Efficiency via Catalysis Roadmap

By 2050 catalysis could reduce energy by 47% and GHGs by 50% globally as compared to BAU.
Buildings Roadmap Key Takeaways

By 2050, the scenario with “chemistry” improvements requires about half as much energy as no improvements scenario.
Promoting carbon Life Cycle Analysis Best Practices

1. Objectives
   • Chemical industry as solution provider needs to develop effective guidelines
   • Improved Life Cycle use needs better value chain cooperation

2. Deliverables
   • Executive Guide on LCA (published)
     - Basic concepts and ways of using LCA
     - Management of SMEs a key target audience
   • “Avoided emissions” guideline (finalized)
     - Practical guidelines to increase consistency in assessment / reporting
     - Joint development with WBCSD / First guideline of its kind
Wrap up / next steps

1. **Extensive new materials**
   - Road maps and guidelines available / launched
   - Documents also being translated to further utility

2. **Key 2014 goal: Outreach**
   
   Expanding regional involvement
   - Especially in emerging economies such as China

   Extending value chain cooperation
   - Challenges / opportunities demand new business models