



# Chemical Industry Initiatives

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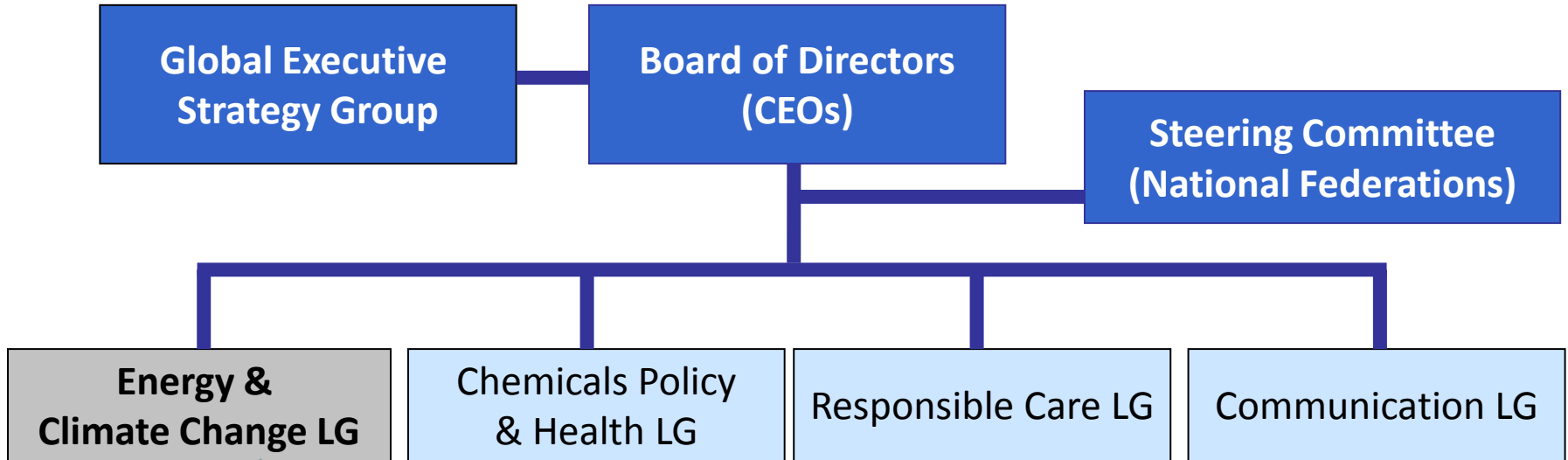
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**7<sup>th</sup> October 2013, IEA Paris**



# ICCA (International Council of Chemical Associations)



- 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

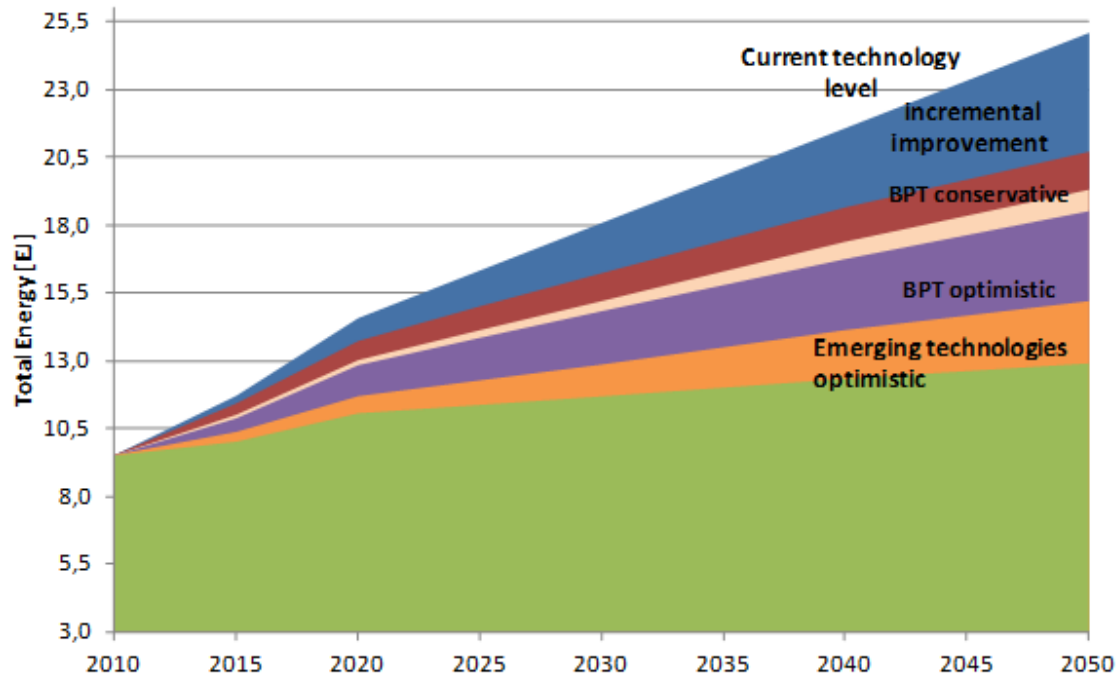
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- **Efficiency via Catalysis Roadmap** with IEA & DECHEMA published
  - Chemistry Roadmap web launch – IEA/Paris
  - Launch event in Washington DC with Ambassador Jones
- **cLCA project** work completed
  - Executive LCA Guide published
  - Avoided 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)



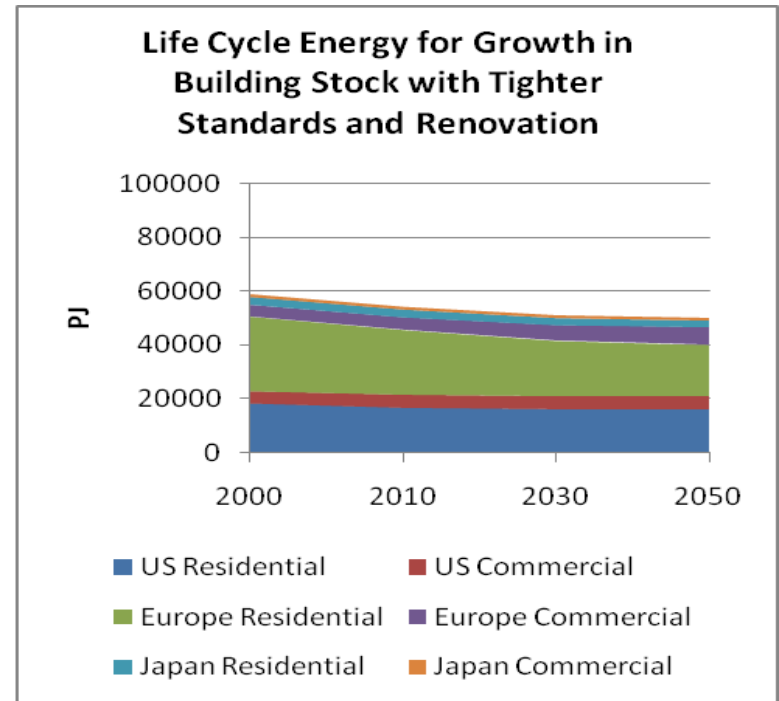
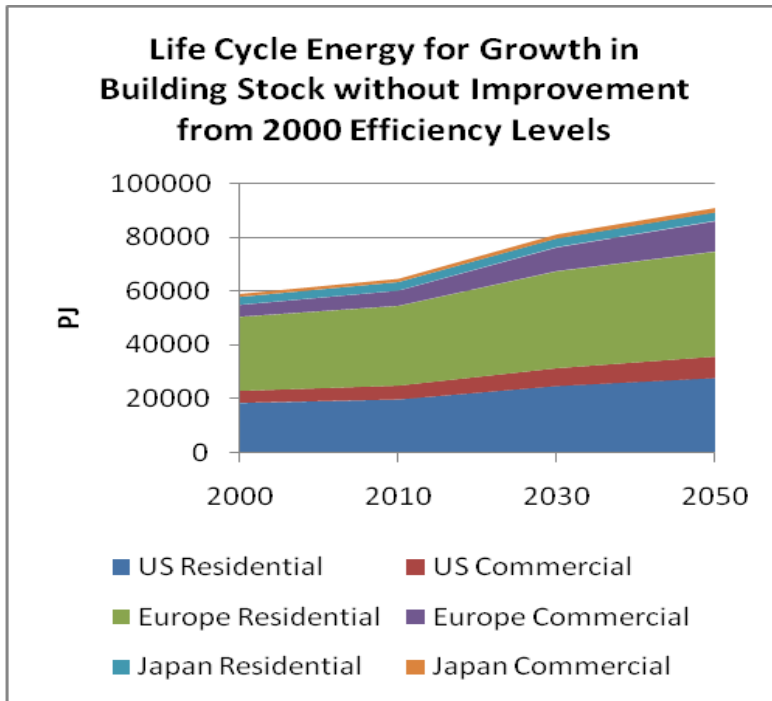
## Efficiency via Catalysis Roadmap

***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

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## 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

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### 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

