Shaping a low carbon construction sector

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Globe EU - Earth Overshoot Day
Brussels
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LafargeHolcim at a glance

- **90** countries
- **2,500** operations
- **32.6** billion CHF net sales
- **115,000** employees

- Listed on the Swiss stock exchange SIX and Euronext

- **Cement**
- **Aggregates**
- **Ready-mix concrete**
- **Other construction materials**
LafargeHolcim supports the adoption of an ambitious agreement between all negotiating parties setting the right conditions to limit global warming to below 2°C.

The agreement must provide a long term, stable and reliable environment to encourage and reward investments to reduce CO2 emissions further and to adapt to climate change.

Contributions from nations must be comparable and create a level playing field among producers.

Carbon must have a price, everywhere.

A reliable monitoring, reporting and verification system must be established to follow-up on the nations’ contributions.
LafargeHolcim commits to remain the most CO$_2$-efficient in its industry

LafargeHolcim commits to provide low carbon solutions for construction
LafargeHolcim commits to lead in research on carbon capture and re-use

**CO$_2$ efficiency [kg CO$_2$/t product]**

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<thead>
<tr>
<th>Company</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tbody>
<tr>
<td>LH</td>
<td>550</td>
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<tr>
<td>Industry</td>
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Source: LH-SD, Company reports
CEMENT SUSTAINABILITY INITIATIVE
Establishing full transparency
Developing a global sectoral approach

The CSI members develop and implement climate mitigation strategies according to the highest standards.
Global Cement Technology Roadmap

Published by IA/WBCSD 2009
Low Carbon Technology Partnership Initiative (LCTPi) – Cement

WORLD BUSINESS COUNCIL FOR SUSTAINABLE DEVELOPMENT

LafargeHolcim is on the Steering Committee for the Cement Branch (CSI)

Scale up emission reduction in the range of 20-25% CO₂ in 2030 compared to business as usual

- Enhancing energy efficiency of the cement manufacturing process
- Reducing clinker/cement ratio
- Engaging the full value chain to maximize avoided emissions by usage of concrete
- Evaluating cross-sectoral initiatives to scale up capture, use & storage of carbon
- Developing new cement clinkers with lower energy & calcination requirements
- Scaling up coverage and implementation of the CSI tools (GNR, technology roadmaps) globally, with a focus on China
- Scaling up use of alternative fuels

Key partners: International Energy Agency (IEA), International Finance Corporation (IFC), national trade associations
Some of our partners during the last 10 years
A step change is required

Our future partnerships will be focusing on…

**TOMORROW’s CONSTRUCTION**

Develop and implement new solutions and design/monitoring tools for a low carbon construction sector

EEB 2.0
Global Alliance for Buildings and Construction

**CARBON CAPTURE AND RE-USE**

Develop required technologies and networks for carbon capture and re-use
3 PRIORITIES

1. Public strategies and policies
2. Value Chain defragmentation / transformation
3. Finance

LAFARGEHOLCIM is co-chairing the ENERGY EFFICIENCY IN BUILDINGS Initiative and supports the launch of a GLOBAL ALLIANCE FOR BUILDINGS AND CONSTRUCTION