Biodiversity Management @ Holcim
IAIA Biodiversity Symposium, 8 February 2013
About Holcim

Approximately** 80 000 **employees
Over **500 Extraction Sites**
Approximately **21 bn** Swiss Francs of sales in 2011
70 Countries
Integrated Biodiversity Management System Framework: A site lifecycle approach
Opportunity / Feasibility Studies

Granularity
• Desktop screening (IBAT….)
• Key ecosystems & habitats
• Threatened species

Purpose
• Inform decision making
• Identify risks / “red flags” to project
Environmental & Social Impact Assessment

Granularity
• Detailed inventory
• Species distribution
• Habitat/ecosystems mapping
• Verify desktop screening

Purpose
• Establish baseline
• Identify impacts
• Develop mitigation strategies
• Risk matrix classification
Operation

Granularity

- Focused monitoring results
- Periodic updates
- Basic Evaluation for existing sites (catch up)

Purpose

- Biodiversity integrated into extraction and rehabilitation plans
- Set clear targets & actions
Risk matrix used to determine level of management needed

<table>
<thead>
<tr>
<th>Biodiversity Importance</th>
<th>Impact to Biodiversity from Operations</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Very High</td>
</tr>
<tr>
<td>Global</td>
<td>High</td>
</tr>
<tr>
<td>National</td>
<td>High</td>
</tr>
<tr>
<td>Local</td>
<td>Medium</td>
</tr>
<tr>
<td>Low</td>
<td>Medium</td>
</tr>
</tbody>
</table>

- 2 dimensions: Importance and Impact
- High management level = Biodiversity Action Plan
- 80% of sensitive sites to have BAPs by end 2013
### Requirements for different levels of biodiversity management

<table>
<thead>
<tr>
<th></th>
<th>High Management</th>
<th>Medium Management</th>
<th>Minimum Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Objective</td>
<td>Maintain / Enhance biodiversity</td>
<td>Other: Community, land owner, authority</td>
<td>Other: Community, land owner, authority</td>
</tr>
<tr>
<td>Secondary Objective</td>
<td>Other: Community, land owner, authority</td>
<td>Maintain / Enhance biodiversity</td>
<td>-</td>
</tr>
<tr>
<td>Revegetation</td>
<td>Only native species</td>
<td>Only Native Species</td>
<td>Non-Invasive alien species or native species</td>
</tr>
<tr>
<td>Invasive Alien Species</td>
<td>Active control required</td>
<td>Active control required</td>
<td>Active control required</td>
</tr>
</tbody>
</table>

- All sites require a minimum level of biodiversity management
- Sensitive sites require a “high” level of management: Biodiversity Action Plan
Thank you