# Multi-Stakeholder Engagements

Alexis Bateman

April 23, 2014

### **NGO Attacks**

Mitsubishi Corporation & RAN







Courtesy of RAN. Used with permission.

- Nestle & Greenpeace
- Palm Oil commodity suppliers

## One on One Partnerships









## Multiple Partners















# **Group Collaboration**







#### **Chemical/Bleach Use in Pulp Manufacturing**

Example of TSC Sustainability Reporting and Measurement System Process

#### Information appearing on dossier for this issue:

Potential hotspot: Emissions from Chemical Use during Pulping and Bleaching

- Mechanism/Description: Emissions to air and water from the use of chemicals for pulping and bleaching leads to eutrophying and acidifying emissions, which can impact ecosystems.
- Relevant Midpoint Categories and Impact Group(s): Ecosystems; Human Health impact due to Acidification; Eutrophication; Human Toxicity; Ozone Depletion
- Geographic Information: Portugal, Portugal; Germany
- References:
  - Lopes et al., 2003 -High quality
  - Dias et al., 2007 -High quality

Information appearing on CSP for this issue:

Potential hotspot: Emissions from Chemical Use during Pulping and Bleaching

 Mechanism/Description: Emissions to air and water from the use of chemicals for pulping and bleaching leads to eutrophying and acidifying emissions, which can impact ecosystems.

Associated Improvement Opportunities include<sup>1</sup>:

- Eliminate elemental chlorine in the bleaching process
- Improve emissions controls
- Use of enzymes to increase production efficiency
- Use of pollution prevention strategies

¹ Please note these improvement opportunities are also included in the dossier and are substantiated by published literature, websites, or reports KPI: Air Emissions (One KPI specific to integrated facilities and one for non-integrated facilities)

What percentage of the pulp you produce comes from facilities that track and publicly report air emissions?

(Report percent)

#### **KPI: Bleaching Chemicals**

What percentage of your pulp supply is produced using elemental and/or elemental chlorine-free (ECF), totally chlorine free (TCF), or processed chlorine-free (PCF) processes?

(Report percent of all four options)

KPI: Wastewater Emissions (One KPI specific to integrated facilities and one for non-integrated facilities)

What percentage of the pulp you produce comes from facilities that track and publicly report wastewater emissions?

(Report percent)



2012 Arizona State University and University of Arkansas

#### How to Partner

- Identify overal objective
- Projec Design
  - Develop criteria for selecting projects
  - Identifying a good partner
- Projec Execution
  - Develop a cross-functional team
  - Develop clear projec plan, momentum
- Measuring an Communication
  - Measuring business and environmental benefits
  - Communicating results

(EDF – GEMI 2008)

MIT OpenCourseWare http://ocw.mit.edu

ESD.S43 Green Supply Chain Management Spring 2014

For information about citing these materials or our Terms of Use, visit: http://ocw.mit.edu/terms.