Joint Session of the ECE Timber Committee and the FAO European Forestry Commission

Location, Turkey – 10-14 October 2011

The Wood industry from Kyoto to Rio

Sylvain Labbé
International conventions affecting the forest ecosystems

UN Framework Convention on Climate change
- Kyoto and post Kyoto
- Land use: REED +, LULUCF and HWP
- CDM and Carbon markets in forest and wood products
- The building sector is not included yet
Some key Aichi targets from the Nagoya protocol

- Bring close to zero the rate of loss of natural habitats, including forests
- Establish a conservation target of 17% of terrestrial and inland water areas
- Restore at least 15% of degraded areas through conservation and restoration activities

Introduction of externalities: PES (Payment for environmental services)
Sustainable Consumption and Production in the context of Sustainable development & poverty eradication!

10-Year Framework of Programmes (10YFP) on Sustainable Consumption and Production (SCP) Agreed in CSD 19, New York

- Consumer information
- Sustainable lifestyles and education
- Sustainable public procurement
- **Sustainable buildings and construction**
- Sustainable tourism including eco-tourism.
2 Billions people with less than 2$ a day

1 Billion people with no access to clean water

10 Millions people per year starving to death

1,5 Billion people without electricity
Évolution de la population mondiale entre 1700 et 2050

- En 1700: 2,52 milliards d'habitants
- En 1850: 1,6 milliards d'habitants
- En 2005: 6,46 milliards d'habitants
- En 2050: 9,08 milliards d'habitants

Source des données: INED
Result: this is a world in overshoot

- Productive ecosystem area/capita 1.8 gha; current demand: 2.7 gha/capita. I.e.:
- The human enterprise already exceeds global carrying capacity by about 50%.
- In late August 2010 we reached ‘overshoot day’ for last year.
- For the rest of the year humanity lived by depleting natural capital.
SCP policies at RIO+20

• STICKS, CARROTS AND TAMBOURINES.

• Mandatory measures! No more voluntary goodwill, marketing tricks or shopping for the cheapest "green" certificate!

• Functional (not descriptive) requirements! Not for single parts only, but the whole systems!

• Life cycle thinking beyond products

• The end product is not a building but a service; provision of sustainable space for a purpose
Facing the reality

A Green economy or green capitalism?

1. Finance (650 Bil in 2008)
2. Externalities (PES)
3. Clear and measurable policies and regulations
4. Sustainable consumption metrics and units?
What is our action plan for the forest sector?
WE NEED A GLOBAL STRATEGY

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<th>Metric</th>
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<th>WOOD</th>
<th>SUSTAINABLE BUILDING</th>
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The market growth is only at the end use

The war is open in the green building market
1. Inclusion of the LCA, limit to service life and recyclability
2. Limit the accounting to the energy operation of the buildings
3. Inclusion of the carbon sequestration of wood into ISO 14067
4. Implementation of EPD into the material accounting regulations
5. Inclusion of the PES (carbon tax, water tax, biodiversity loss, etc)
Strategic Plan for the wood sector

- **OBJECTIVE:**
  - **DIRECT:** Reduce environmental footprint of the building materials
  - **INDIRECT:** Increase wood consumptions

- **HOW:**
  - Influence policies on Forest, Wood, and Buildings
  - Carbon footprint of material, LCA, EPD, PES, etc…

- **FOCUS:** SCP policies at end use

- **ALLIES:** Science and ENGO’s

- **AUDIENCE:**
  - International organisations: UNFCCC, UNEP-SBCI,
  - + Governments, Professionals, End users

- **WEAKNESS:** Industry fragmentation.
  - We need a World Wood Forum (WWF) coordination

- **STRENGHT:** We have the only 100% solar energy renewable building material