Advisory Committee on Sustainable Forest-based Industries

62nd Annual Meeting

Wednesday 28 April 2021 (Day Two)
## Agenda Day 2

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9. Update on ACSFI’s work on the bioeconomy

- Release of the ACSFI Background report:
  - *The role of forest products in the global bioeconomy: possible actions for substitution to contribute to the Sustainable Development Goals*

  Executive summary
  1. Introduction
  2. Global efforts related to a forest-based bioeconomy
  3. The role of forest products in the bioeconomy
  4. Innovative forest products with potential for substitution
  5. Opportunities offered by substitution with forest products
  6. Future supply and demand dynamics of forest products
  7. Knowledge and implementation gaps in forest product value chains
  8. Conclusions and recommendations
9. Update on ACSFI’s work on the bioeconomy

- Updates & Q&A today on bioeconomy projects being conducted in association with the ACSFI:
  - State of the contribution of forests and forestry to the global bioeconomy
  - Using wood residues from forest industries for sustainable modern woodfuels
  - Assessment of industrial roundwood production from planted forests

- The role of forests in the bioeconomy a core theme in multiple upcoming events and flagship publications:
  - World Forestry Congress (May 2022)
  - The State of the World’s Forests 2022 (for release at WFC)
  - International Day of Forests 2022 (March 21)
9. Update on ACSFI’s work on the bioeconomy

- Communication & Dissemination
  - Range of bioeconomy related materials under development
  - Bioeconomy website – due to go live in coming weeks
9. Update on ACSFI’s work on the bioeconomy

- Infographics
9. Update on ACSFI’s work on the bioeconomy

- Factsheets on innovative forest products
9. Update on ACSFI’s work on the bioeconomy

**BIoplastics**

Bioplastics produced from forest-based sources have the same characteristics and uses as their fossil-based counterparts.

The forest-based industry is focused on the production of food-grade bioplastics, with recent developments in packaging for produce and beverages. Other common applications include containers for hygiene and beauty products.

**RAW MATERIALS**

The industry is focused on using industrial side streams such as sawdust. Depending on the type of biobased to be produced, wood sugars and lignin can also be used as raw materials.

**ENVIRONMENTAL IMPACT**

One of the great advantages is using raw material from a renewable source, especially from industrial side streams and waste. Biodegradable, made from renewable resources, some bioplastics can contribute to circularity by being recyclable with conventional. In addition, wood-based plastics are biodegradable, and are a direct substitute for fossil-based plastics that would end up in the landfill.

**GLOBAL DEMAND AND PRODUCTION**

The current production capacity of second and third generation bioplastics is 2.7 million tonnes and is estimated to grow to 4.3 million tonnes by 2022.

**PRODUCTS THAT CAN BE SUBSTITUTED**

Forest-based bioplastics substitute for several types of fossil-based plastics, such as polyethylene and polypropylene.

Sources:

- EFI
- Food and Agriculture Organization of the United Nations
- Advisory Committee on Sustainable Forest-Based Industries (ACSFI)
9. Update on ACSFI’s work on the bioeconomy

- ACSFI Bioeconomy Statement (Attachment 8.1)
  - Member comments
  - Updated Statement will be circulated for endorsement from all members on a non-objection basis
  - Welcome suggestions today on:
    - Content
    - Release dates/events: e.g. World Bioeconomy Forum scheduled for October 2021 in Brazil

- Partnership discussion today will allow members to present ideas to progress ACSFI’s work related to the bioeconomy
10. State of the contribution of forests and forestry to the global bioeconomy

- Claude to share screen
11. Using wood residues from forest industries for sustainable modern woodfuels

- Evelyn to share screen
11. Assessment of industrial roundwood production from planted forests

- Ben to share screen
ACSFI & the Bioeconomy

Q & A
9. Update on ACSFI’s work on Ecosystem Restoration

- The Decade on Ecosystem Restoration is being co-led by FAO and the United Nations Environment Program

- Launch on World Environment Day: June 5

- ACSFI Strategic Framework identifies the UN Decade on Ecosystem Restoration as a topic of strategic importance

- ACSFI commissioned a background paper to better understand the relevance, opportunities and risks for the forest-based industries sector to engage in ecosystem restoration activities

- Webinar held on 24 March first ACSFI event as part of this workstream
9. Update on ACSFI’s work on Ecosystem Restoration

- ACSFI Ecosystem Restoration Statement (Attachment 13.3)
  - Member comments
  - Updated Statement will be circulated for endorsement from all members on a non-objection basis
  - Welcome suggestions on:
    - Content
    - Release dates/events

- Ludwig will present his findings to date and introduce the approach to the background study (Attachments 13.1 and 13.2)

- Partnership discussion today will allow members to present ideas to progress ACSFI’s work related to the ecosystem restoration
ACSFI & Ecosystem Restoration

• Ludwig to present
ACSF & Ecosystem Restoration

Q & A
14. Opportunities for ACSFI Partnership Discussion

The ACSFI provides unique opportunities for building and strengthening strategic external partnerships with stakeholders and internal cooperation within FAO

- Increase outreach activities
- Facilitate joint action to achieve the vision and strategic goals of the Committee
- Follow guidance from the FAO Strategy for Private Sector Engagement
- Enhance its role and objectives with respect to achieving the SDGs with the private scale on a larger scale
14. Opportunities for ACSFI Partnership Discussion

- Feedback from ACSFI members:
  - Bioeconomy
  - Ecosystem Restoration

- *How can we best work together to progress the recommendations to achieve optimal impact & facilitate the Secretariat’s thinking around partnership development*

- You will be divided into breakout groups
- 30 mins discussion
- Guiding questions
- Report back (~3 minutes – be brief)
13. Opportunities for ACSFI Partnership Discussion

- **Bioeconomy – Report recommendations for FAO:**
  - Facilitate comparative studies and global data collection efforts for monitoring the bioeconomy to assess achievements and address knowledge and implementation gaps

  - Facilitate knowledge exchange to strengthen the capacity of countries and private sectors in the transformation to a sustainable, circular bioeconomy by sharing technical knowledge, good practices and innovations

  - Promote international partnerships between academia, industry, finance and public administration
13. Opportunities for ACSFI Partnership Discussion

- **Ecosystem restoration – Draft recommendations**
  - Reinforcing partnerships with existing initiatives such as WWW-New Generation Plantation platform
  - Creation of a new forest-based industries working group on sustainable finance for ecosystem restoration and restoration-friendly forest products
  - Supporting integration of good practices for ecosystem restoration valuation and valorization (e.g. UN SEEA)
  - Strengthening ties between forest-based industries companies and smallholder led business enterprises to develop new business models
  - Developing guidelines on good practices for ecosystem restoration
14. Opportunities for ACSFI Partnership Discussion

- **Discussion groups – Bioeconomy & Ecosystem Restoration**
  - Prioritise the **top two** recommendations
  - Provide **two ideas** as to how FAO could partner with ACSFI members and other representatives from the private sector to progress the recommendation:
    - Partners?
    - Products and services delivered?
    - Implementation approach and requirements?
  - Start with your assigned area of interest (i.e. Bioeconomy or Ecosystem Restoration) and then swap to the other area if you have time
14. Opportunities for ACSFI Partnership Discussion

REPORTING BACK
Due to the impact of the pandemic the decision will be deferred until late 2021
16. Any Other Business
Thank you for your attention!