Enhancing the cascade us of wood by integrating an intensified mobilsation of forest resources

Acronym: ECAMOB

Owner(s): EOS-OES / EPF / CEI-Bois

Coordinator:
Dr. Andreas Kleinschmit von Lengefeld
Director Innovation Research, FCBA, Paris

Co-Coordinator:
Gus Verhaeghe
Secretary General InnovaWood
ECAMOB is composed by a strong European Research community and industrial network aiming at carrying out jointly major RTDI activities!
ECAMOB Partnership

**FCBA (FR):** coordinator & **InnovaWood (EU):** co-coordinator

**EU:** EOS; EPF; FTP; CEPF; EFI; EUSTAFOR; CEI-Bois; ENFE

**INDUSTRIES:** Saviola Holding RSL (IT); SC FORIX SRL (RO); Norvik Timber (LT); Wiehag Holding (AT); VIDA AB (SE); Tecnifusta (ES); Lignia (ES);

**Nat FEDERATIONS:** FEDUSTRIA (BE); FEDERLEGNO AREDO (IT); VHI (DE);

**RTD & UNIV:** Univ Wageningen-Alterra (NL); Woodlab – Uni Gent (BE); LUKE (ex Metla, FI); Brunell University (UK); CREA F (ES); CTFC (ES); VITO (BE); AIDIMA (ES); BOKU (AT); SONAE (PT); S-Win (CH); COSMOB (IT); WKI (DE); ESB (FR); CETEM (ES); Delft Uni (NL); ITD (PO); Skogsforsk (SE); Wald-wird-mobil GmbH (DE); VTT (FI); Uni Göttingen (DE);
Objectives of the commitment

**Providing solutions for increasing the potential supply of wood from European forests in a holistic approach while securing environmental and social demands on the ecosystems!**

- Enhancing the sustainable supply of raw materials
- Intensification of wood mobilisation – including recycling solution
- Defining, developing and piloting “zero waste” solutions
- Advancing the “cascading-use-of-wood concept”

→ creating more (qualified) jobs in rural areas
Activities

• Analysing most of the feasible cascade value chains based on forests (from resource to end of life of a product).

• Aiming at incorporate recovery, recycling and reusing
  • throughout the construction dismantling phases
  • innovative collecting and transportation systems

• Development of novel models and tools for assessing the cascading impacts
Activities

- Testing flexible novel sustainable forestry technologies and management systems

- Development of efficient supply chain concepts:
  Integrating harvesting, forwarding, transportation, logistics and trading for reducing and eliminating resource mobilisation bottlenecks
Activities

Development of new strategies for organisational innovations through respecting / integrating:
• local and regional aspects
• Infrastructure and proximity of downstream industries
• Improved valorisation approaches that provide best performance
• Defining the potential use for different roundwood qualities (softwood/hardwood) and grades (sawing, veneering, etc) including selecting and allocating methodologies.
Time line & Next steps

• Collaboration for up-coming calls under Horizon2020
• 1st General Assembly with all partners on 10th of July 2014 (FCBA in Paris):
  • Election of an ECAMOB Steering Group (Owners of ECAMOB plus elected partners)
  • Installation of Task Forces within ECAMOB for structuring the next steps
• Steering group meetings
• Work within the task forces
• Extension of the partnership
Steering Group of ECAMOB:

- **Kimmo Järvinen** (EOS / owner)
- **Kris Wijnendaele** (EPF / owner)
- **Sampsu Auvinen** (Norvik / industry)
- **TF1**: Leena Paavilainen (METLA) & Denis Boglio (CTFC)
- **TF2**: Gérard Deroubaix (FCBA)
- **TF3**: Francesco Balducci (COSMOB)
- **TF4**: (Transversal) wood biomass/bioenergy coordinator: Gert-Jan Nabuurs (Alterra)
- **Andreas Kleinschmit von Lengefeld** (FCBA) and **Gus Verhaeghe** (InnovaWood) will be in charge of the overall coordination and assist the activities of SG and TFs.
ECAMOB Task Forces:

**TF 1 - Wood mobilisation:**
- CreaF (Olga Roig, Jordi Vayreda)
- CTFC (Denis Boglio) coordinator
- AIDIMA (Guillem Segura)
- METLA (Leena Paavilainen) coordinator
- NORVIK (Sampsu Auvinen)
- EFI (Harald Mauser)
- ALTERRA (Gert-Jan Nabuurs)
- S-WINN (Thomas Naeher)
- TUDELFT (Prof. Van de Kuilen)
- Uni Gottingen (Markus von Willert)
- FCBA (Gerard Deroubaix, Andreas Kleinschmit v. L.)
- InnovaWood (Gus Verhaeghe)
ECAMOB Task Forces:

TF 2 - Cascade use of wood

- AIDIMA (Guillem Segura)
- UGENT (Prof. Joris Van Acker)
- BOKU-Wood K plus (Prof. Alfred Teischinger)
- METLA (Erkki Vekasalo)
- ITD (Prof. Andrzej Fujotowski)
- ALTERRA (Gert-Jan Nabuurs)
- TUDELFT (Prof. Van de Kuilen)
- CETEM (Francisco Jose Melero)
- Fedustria (Ingrid Hontis)
- **FCBA (Gerard Deroubaix,** Andreas Kleinschmit v. L.**)** coordinator
- InnovaWood (Gus Verhaeghe)
ECAMOB Task Forces:

**TF 3 - Wood recycling**
- COSMOB (Francesco Balducci)
- Brunel (Prof. Mizi Fan)
- WKI (Mr. Briesemeister)
- ESB (Prof. Mark Irle)
- AIDIMA (Guillem Segura)
- ITD (Prof. Andrzej Fujotowski)
- CETEM (Francisco Jose Melero)
- ALterra (Gert-Jan Nabuurs)
- BOKU-Wood K plus (Prof. Alfred Teischinger)
- TUDELFT (Prof. Van de Kuilen)
- FCBA (Gerard Deroubaix, Andreas Kleinschmit v. L.)
- InnovaWood (Gus Verhaeghe)
ECAMOB Task Forces:

Next steps for each TF:

• Gap analysis and topic prioritisation: identify & check all available research data, knowledge and actors, capitalise and share results, first draft finished by end-September 2014

• Identification of short-term gaps (local scale, existing institutional/economic frameworks)

• Determination of long-term needs (EU scale): identifying concrete solutions for closing the gaps – solutions should be market oriented

• A report of each TF group activities is envisaged in the first trimester of 2015
Some running projects within ECAMOB:

- FP7 **SIMWOOD**; Bavarian State Institute of Forestry (LWF), DE
- FP7 **Infres**; LUKE (ex )METLA, FI
- FP7 **Flexwood**; University of Freiburg, DE
- FP7 **ECOINFLOW**; NTI, NO
- FP7 **Trees4Future**, INRA, FR
- FP7 **WWNET DEMOWOOD**; FCBA FR
- **WWET+ CareWood**; TUM, DE
- Cost Action **USEWOOD**; Bundesforschungszentrum für Wald; DE
- ERA-NET+; **WoodWisdom-Net+; (21 projects)**, FI
- **Foresterra**; MINECO, ES
- **SUMForest**; BMLFUW, AT
- ...
Thank you for your attention! 
Merci de votre attention!

Owners: EOS / EPF

Coordinator:
Andreas Kleinschmit von Lengefeld / FCBA DIR

Co-coordinator:
Gus Verhaeghe / InnovaWood