

The role of functional diversity for ecosystem services in multi-functional agroforestry - FUNCiTREE final conference.

23-25 May 2013, Trondheim, Norway.

Program 2013-05-15

Thursday 23rd May

10:00 - 12:00

Registration

12:00 – 13:00

Lunch

13:00 – 13:10

Welcome to the conference

Session I: Ecological attributes and functions that support ecosystem services in agro-ecosystems. Chair: Sean Smukler

13:10 - 13:40

Mattias Jonsson (SLU, Sweden). Invited speaker.
Biological pest control - an ecosystem service provided by biodiversity at multiple spatial scales.

13:40 - 14:00

Cristina Armas (EEZA-CSIC, Spain)
Unraveling plant water and nutrient use strategies in dry tropical agroecosystems using stable isotopic signal.

14:00 – 14:10

Joseph S. Diémé (EEZA-CSIC, Spain & ISRA, Senegal)
Response to drought of nine sahelian trees in the northwest semiarid area of Senegal.

14:10 – 14:30

Francisco I. Pugnaire (EEZA-CSIC, Spain)
Responses of agro-forestry species to water availability in seasonally dry climates and their effect on understory vegetation.

14:30 – 15:00

Questions

15:00 – 15:20

Coffe/Tea break

Session I (cont.): Ecological attributes and functions that support ecosystem services in agro-ecosystems. Chair: Francisco Pugnaire

15:20 – 15:40	Fernando Casanoves (CATIE, Costa Rica) <i>Mixed model approach to analyze unbalanced paired data</i>
15:40 - 16:00	Graciela M. Rusch (NINA, Norway) <i>Tree facilitation and competition with the understory varies along productivity gradients in seasonally dry tropical agroforestry systems.</i>
16:00 – 16:20	Dioumacor Fall (ISRA, Senegal) <i>Comparative effect of forest species on soil fertility, herbaceous diversity and biomass production in Leona (Louga, Senegal).</i>
16:20 – 16:40	Marcel Hoosbeek (WUR, the Netherlands) <i>Soil carbon storage is promoted more by Jícaro than by Guácimo trees in silvopastoral systems in Nicaragua.</i>
16:40 – 17:00	Philippe Thaler (CIRAD, France) <i>Is sensitivity to xylem cavitation a relevant physiological trait for fodder production in the dry season?</i>
17:00 – 17:30	Questions
17:30 – 19:00	FUNCITREE Steering Committee

Friday 24th May

08:30 – 09:00	Nina Vik (DN, Norway). Invited speaker. <i>Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services (IPBES) – a brief introduction and upcoming activities.</i>
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Session I: Ecological attributes and functions that support ecosystem services in agro-ecosystems (cont.). Chair: Antonio Solarte

09:00 - 09:20	Alexandre Ickowicz (CIRAD, France) <i>Forage intake of tree species on rangelands : a relative value as a combination of resource availability, species traits and ruminant feeding behavior.</i>
09:20 - 09:40	Christina Skarpe (NINA & HiHm, Norway) <i>Sustainable use of browse from woody plants as cattle feed.</i>

09:40 – 10:00	Hubert Guerin (CIRAD, France) <i>Fodder function of trees and shrubs for domestic ruminants in arid areas : characterization with multi-dimensional functional traits.</i>
10:00 – 10:30	Questions
10:30 – 11:00	Coffe/Tea break
11:00 - 12:00	Poster session
12:00 – 13:00	Lunch

Session II. Multiple functions underpinning ecosystem services in agro-pastoral landscapes
Chair: Mattias Jonsson

13:00 - 13:30	Sean Smukler (UBC, Canada). Invited speaker. <i>Identifying and prioritizing agroforestry options in agricultural landscapes to optimize biodiversity and multiple ecosystem services.</i>
13:30 - 13:50	Antonio Solarte (CIPAV, Colombia). Invited speaker. <i>Trees and shrubs, key elements to improve sustainability of livestock agroecosystems in Colombia.</i>
13:50 - 14:10	Carlos Pérez Carmona (NINA, Norway & UAM, Spain) <i>Bayesian networks for the analyses of tree functions trade-offs in tropical agro-silvopastoral systems.</i>
14:10 - 14:30	Alexandre Ickowicz (CIRAD, France) <i>Defining functional groups of tree species according to rural stakeholder perceptions in Central-Mali.</i>
14:30 - 15:00	Questions
15:00 – 15:30	Coffe/Tea break

Session III. Policies to support sustainable natural resource use and the Ecosystem Services concept. Chair : David N. Barton

- 15:30 - 16:00 Arild Vatn (UMB, Norway). Invited speaker.
Payments for environmental services (PES) - from theory to practice.
- 16:00 – 16:20 Antonio Solarte (CIPAV, Colombia)
Colombian experiences in PES and other incentives to mainstream biodiversity in sustainable cattle ranching.
- 16:20 – 16:40 Mariel Aguilar Støen (SUM-UiO, Norway)
Learning from payments for environmental services: private sector, development cooperation and PES in campesino lands in Nicaragua.
- 16:40 – 17:00 Regis Peltier (CIRAD, France)
Boosting traditional management of Sahelian Faidherbia parks.
- 17:00 – 17:30 Questions
- 19:30 [Conference dinner at ' Vertshuset Grenaderen'.](#)

Saturday 25th May

Session IV. Ecosystem services and biodiversity at the local level

Chair: Isabel Gutiérrez

- 09:00 - 09:20 Carlos Cerdán Cabrera (UV, Mexico)
Local knowledge about how ecosystem services and biodiversity conservation are related to trees in silvo-pastoral system.
- 09:20 - 09:40 Harouna Yossi (IER, Mali)
Agroforestry systems in the Sahel: Determinants of production priorities and mangement in the rural communities of Dioro and Farakou-Massa in Segou, Mali. (Presentation in French with slides in English).
- 09:40 - 10:00 Youssouf Cisse (IER, Mali)
Factors determining the adoption of agro-forestry technologies in the Soudano-Sahel area in Mali: The case of the communities of Dioro and Farakou Massa.

10:00 - 10:20	Dalia Sánchez (CATIE, Nicaragua) <i>Establishment of demonstration plots on multifunctional silvopastoral systems to promote their adoption in the dry tropics of Nicaragua.</i>
10:20 – 11:50	Questions
10:50 – 11:10	Coffee/Tea break

Session IV (cont.). Ecosystem services and biodiversity at the local level
Chair: Bocary Kaya

11:10 - 11:30	Gidske Andersen (UNI Research, Norway) <i>Traditional nomadic tending of trees in the Red Sea Hills.</i>
11:30 - 11:50	Isabel Gutiérrez-Montes (CATIE, Costa Rica) <i>Use of the community capitals framework to understand adaptation of silvopastoral systems: bridging the gap between research and development.</i>
11:50 - 12:10	David N. Barton (NINA, Norway) <i>Bayesian network modeling of adoption of agrosilvopastoral practices in Tiby, Mali.</i>
12:10 – 12:30	Questions
	Conference closing.
12:45 – 13:30	Lunch