RENECOFOR: what has been learned from 25 years of monitoring forest ecosystems?
Preliminary programme

Wednesday 11 October 2017

10:30 - 12:00	Reception of the participants
12:00 - 13:30	Lunch

	Session 1 : Opening session
13:30 - 14:10	Opening words by the national funders of the RENECOFOR network *- French National Forestry Office (ONF)* *- Ministry of Agriculture and Food (MAA)* *- Ministry of Ecological and Solidarity-based Transition (MTES)* *- French Environment and Energy Management Agency (Ademe)*
14:10 - 14:25	Objectives and design of the conference *Manuel Nicolas (ONF, Head of the RENECOFOR monitoring network)*
14:25 - 14:45	Looking back on the initial purpose of forest monitoring and of RENECOFOR network *Guy Landmann (GIP ECOFOR, Chairman of the Scientific board of the RENECOFOR network)* *& Christian Barthod (MTES, Conseil général de l'environnement et du développement durable)*
14:45 - 15:05	Current issues and challenges for forest monitoring *Annemarie Bastrup-Birk (European Environment Agency)*
15:05 - 15:30	Overall discussion

15:30 - 16:00	Coffee break

	Session 2 : How do forest trees respond to climate variations?
16:00 - 16:15	Opening of the session by the chairwoman *Myriam Legay (ONF, Head of the R&D Department)*
16:15 - 16:35	Monitoring results about tree responses to climate variations (growth, phenology, fruit production) *François Lebourgeois (AgroParisTech, Laboratoire des Ressources Forêts-Bois)* *& Nicolas Delpierre (Université Paris Sud, Laboratoire Ecologie Systématique et Evolution)*
16:35 - 16:55	Modelling the processes behind tree response to anticipate the effects of climate change on forest stands *Xavier Morin & Isabelle Chuine (CNRS, Centre d'Ecologie Fonctionnelle et Evolutive)*
16:55 - 17:15	Field observations are needed to calibrate remote-sensing tools, e.g. for assessing the date of leaf unfolding and senescence from pictures from satellites *Kamel Soudani (Université Paris Sud, Laboratoire Ecologie Systématique et Evolution)*
17:15 - 17:45	Overall discussion

17:45 - 18:45	**Poster session**

Tuesday 12 October 2017

	Session 3 : What role do forests play in sequestering carbon from the atmosphere?
8:30 - 8:45	Opening of the session by the chairwoman *Christine Deleuze (ONF, R&D Department)*
8:45 - 9:05	Making use of both monitoring and inventory data to better understand the carbon cycling in forests. E.g. with the CASTANEA model. *Eric Dufrêne (CNRS, Laboratoire Ecologie Systématique et Evolution)*
9:05 - 9:25	Forest soils contribute to carbon sequestration: repeated field measurements and correlations with potential factors *Mathieu Jonard (Université catholique de Louvain, Earth and Life Institute)*
9:25 - 9:45	Monitoring forest ecosystems gives support to understanding processes of organic C dynamics in forests soils *Delphine Derrien (INRA, Unité Biogéochimie des Ecosystèmes Forestiers)*
9:45 - 10:15	Overall discussion

10:15 - 10:45	Coffee break

	Session 4 : Acidification and nutrient cycling in forest ecosystems
10:45 - 11:00	Opening of the session by the chairman *Laurent Saint-André (INRA, Unité Biogéochimie des Ecosystèmes Forestiers)*
11:00 - 11:20	Has the reduction of atmospheric pollutions succeeded to decrease the acidifying deposition in France? *Aude Bourin (IMT Lille Douai, Sciences de l'Atmosphère et Génie de l'Environnement)*
11:20 - 11:40	Acidification and eutrophication: towards a restoration of the fertility of forest soils? *Anaïs Saenger (Université catholique de Louvain, Earth and Life Institute)*
11:40 - 12:00	How to model the combined effects of air pollution and climate change on forest ecosystems? *Anne Probst (CNRS, Laboratoire écologie fonctionnelle et environnement)*
12:00 - 12:30	Overall discussion

Tuesday 12 October 2017 (Afternoon)

12:30 - 14:00 Lunch

	Session 5 : Dynamics of persistent pollutants in forests
14:00 - 14:15	Opening of the session by the chairwoman *Anne Probst (CNRS, Laboratoire écologie fonctionnelle et environnement)*
14:15 - 14:30	Impacts and fate of trace metal pollution in forests *Laure Gandois (CNRS, Laboratoire écologie fonctionnelle et environnement)*
14:30 - 14:45	How did forest monitoring prove also useful for the prevention of the risks of radioactive pollution? *Yves Thiry (ANDRA, R&D Department)*
14:45 - 15:00	Studying forest as an indicator of persistant organic pollutants in the atmosphere and of their accumulation into the environment: an example with polycyclic aromatic hydrocarbons *Jérôme Poulenard (Université de Savoie, Environnements, Dynamiques et Territoires de la Montagne)*
15:00 - 15:30	Overall discussion

15:30 - 16:00 Coffee break

	Session 6 : Studying and monitoring forest biodiversity
16:00 - 16:15	Opening of the session by the chairman *Hervé Jactel (INRA, Unité Biodiversité Gènes et Communautés)*
16:15 - 16:35	What has been learned from monitoring ground vegetation for 20 years? Results and methodological feedbacks *Jean-Luc Dupouey (INRA, Unité Ecologie et Ecophysiologie Forestières)*
16:35 - 16:55	What factors control the species richness and the variations of fungal communities in forests? *Benoît Richard (Université de Rouen, Unité Etude et Compréhension de la Biodiversité)*
16:55 - 17:15	Understanding the temporal variations in fruit production of oak trees (masting) and their effect on the populations of acorn consumers *Samuel Venner (Université Lyon 1, Laboratoire de Biométrie et Biologie Evolutive)*
17:15 - 17:45	Overall discussion
17:45 - 18:45	**Poster session**

Friday 13 October 2017

	Session 7 : Monitoring forests at pan-European level
8:30 - 8:45	Opening of the session by the chairman *Marco Ferretti (WSL Zurich, Chairman of ICP Forests)*
8:45 - 9:05	ICP Forests' long experience in quality control and improvement, for monitoring forest in a comparable way *Nils König (Northwest German Forest Research Station, Head of environmental analytics)*
9:05 - 9:25	Tree mineral nutrition has been deteriorating: that was confirmed at the European scale *Mathieu Jonard (Université catholique de Louvain, Earth and Life Institute)*
9:25 - 9:45	What is the threat of ozone pollution to the forest? First monitoring results reveal a decrease of ozone concentrations at the European scale *Marcus Schaub (WSL Zurich, Ecophysiology)*
9:45 - 10:15	Overall discussion

10:15 - 10:45 Coffee break

	Session 8 : What could be the future perspectives for monitoring forests?
10:45 - 10:55	Opening of the session by the chairman *Guy Landmann (GIP ECOFOR, Chairman of the Scientific board of the RENECOFOR network)*
10:55 - 11:45	Which way should the existing monitoring networks adapt or develop? *- Frédéric Delport (MAA, Head of the Forest Health Department)* *- Jean-Daniel Bontemps ? (IGN, National forest inventory)* *- Laurent Saint-André (INRA, F-ORE-T environmental research monitoring and experimentation system)* *- Marco Ferretti (WSL Zurich, Chairman of ICP Forests)* *- Manuel Nicolas (ONF, Head of the RENECOFOR network)*
11:45 - 12:30	Overall discussion
12:30 - 13:00	**Synthesis and closing remarks**

13:00 - 14:30 Lunch