



Topics

Climate change is expressed by its impacts which need to be analyzed before the implementation of efficient and effective actions. Two broad topical categories are:

- the assessment of the current knowledge and understanding of climate change impacts;
- the identification of appropriate measures that are likely to reduce the impacts, exploit beneficial opportunities, increase the adaptive capacities or reduce the forcing of the climate system.

The description and understanding of climate change impacts addresses several kinds of questions:

1. **How to analyze observed and expected impacts of climate change?** How to link observations of the past and expectations for the future? How to deal with certainty and uncertainty, between disturbances and trends? What are the current development of monitoring, experimental manipulations and modelling activities in that field?
2. **How are forests affected by a change in the disturbance regime?** What is the magnitude of threats to forests in a climate change context such as storms, fires, drought and heat waves, pest and pathogen outbreaks?
3. **What are the recent and future trends in forest productivity and species distribution?** What is the contribution of climate change in recent trends?
4. **How and how much does ecosystem resilience buffer climate change impacts?** What are the regeneration success, adaptive capacity of ecosystems, and plasticity of trees in response to climate change?
5. **How does climate change affect forest ecosystem services?** What consequences can be expected for biodiversity, carbon sequestration, timber and non wood forest products, water quality and regulation, recreation, protection against erosion, rockfall, avalanches, landslides, flooding?

Due to the complexities and uncertainties of the future socioeconomic development, climate responses and ecosystem functioning, forest decision makers face many issues to adapt to climate change:

6. **How could forest management integrate risks and uncertainties?** How to prevent catastrophic disturbances through forest management measures, risk sharing and insurance procedures? What main aspects have to be taken into account in contingency operations and plans? How to take into account reversibility and irreversibility of forest decisions?
7. **What strategies would be suited for adapting forests to climate change?** What kind of adaptive management should be implemented? Does biodiversity insure forest ecosystem against decline in their functioning under climate change? What does it mean in terms of decision support tools? What are the risks of mismanagement?
8. **How and how much does the forest-based sector mitigate climate change?** What is the carbon budget of forests, forestry and the whole forest-based sector? What is the best compromise between sequestration and substitution? What is the greenhouse gas balance of adaptation and mitigation measures?
9. **How to tackle the economic and social consequences of climate change?** What are the costs and benefits of climate change impacts, adaptation and mitigation? What are the trade-offs between adaptation and mitigation? How is climate change perceived by forest owners and users and how far are they willing to change their behaviour?
10. **How to make information exchange faster and more transparent?** Which are the main gaps of knowledge? How should they be bridged? How to transfer knowledge in the context of climate change (training, education, information, communication)? How to develop interactions among stakeholders and between them and scientists?

If you received information about this conference indirectly and you wish to receive additional information, please send an email to: inscription@gjp-ecofor.org in order to join our mailing list.

TOURS 2012



Call for contributions

The conference will comprise:

- Invited presentations from keynote speakers,
- Voluntary oral and poster presentations selected by the Advisory Committee of the Conference

Deadline for submissions is Monday September 19, 2011

This abstract must include:

- a very comprehensive title
- a preference between oral presentation and poster
- an indication of the topic(s) addressed by the contribution
- the names and affiliations of all contributors (mentioning ECHOES, MOTIVE, REINFFORCE, BACCARA or TRANZFOR if necessary)
- up to 400 words,

Fill in the application form here below or fill it online following this link: [application form](#)

The acceptance of contributions by the Advisory Committee of the Conference will be notified to voluntary contributors by the end of October 2011.

Contributions will be definitively accepted after registration of one of their authors.

Proceedings of the conference

An agreement is under negotiation with the *Annals of Forest Science* in order to edit a special issue of this journal on forests and climate change. A first draft of the paper should be available before the conference. The journal will apply its usual acceptance criteria. Manuscripts will have to be presented according to the journal guidelines. Additional information will be provided to the contributors with the acceptance mail.

If you received information about this conference indirectly and you wish to receive additional information, please send an email to: inscription@gjp-ecofor.org in order to join our mailing list.