

Towards Coordinated Forest Management and Utilization in the Mediterranean Region

By Raffaele Cavalli (raffaele.cavalli@unipd.it)

Deputy Coordinator of IUFRO Unit [3.06.00](#) – Forest operations under mountainous conditions

The Mediterranean basin has always been a meeting place of different races and cultures and it is the cradle of civilizations which have shaped the evolution of African and European Continents. From a forestry point of view, the Mediterranean area also represents a hinge between the temperate forests and the tropical ones, showing peculiarities and specific characteristics of both with regard to vegetation and to the risks it is subjected to, including soil erosion, desertification and wildfires.

The importance of Mediterranean forests

Mediterranean forests and woodlands play a key role in the welfare of urban and rural Mediterranean communities and therefore require special attention. They provide highly appreciated marketed goods as well as a range of high-value but non-market services such as landscape quality, fodder, soil protection, water regulation, recreation possibilities, micro-climate amelioration, etc. In terms of biological diversity they constitute a unique world natural heritage offering a high degree of tree richness and endemism of an extraordinary genetic diversity. Their conservation and management affects the soil and water resources, both being key strategic resources for Mediterranean societies. In this situation, a coordinated approach throughout the Mediterranean basin is needed to develop reliable information and tools based on sound science in order to improve forest management and utilization.

Workshop on forestry utilization

At the IUFRO 3.06.00 "Workshop on forestry utilization in Mediterranean countries with particular respect to sloping areas" held from June 17-19, 2009 in Reggio Calabria, Italy in the frame of the 33rd CIOSTA CIGR Conference 2009, participants looked at the forest-related, social and economic characteristics of the Mediterranean region and at how they affect the forest management and the forest utilization systems. Visit <http://www.ciosta.unirc.it>

Key issues of forest management in the region

The workshop offered an opportunity to exchange experiences and share information on the state-of-knowledge for the improvement of forestry utilization in Mediterranean countries with respect to new trends in harvesting and wood transport. The event built a bridge between advanced scientific methods with modern information technologies and practical engineering and



Photo by Raffaele Cavalli:
Carriage SEIK SFM 3060

operations. Key issues included forest management under Mediterranean conditions and constraints; forest operations performed in Mediterranean forests; forest assessment, modeling and management; machine efficiency and ergonomics under mountainous conditions; and energy from forest biomass, including assessment of potential revenue from Mediterranean forests and analysis of working time requirement.

Future networking project

During the workshop the potential of a scientific network between Mediterranean countries regarding the main topics of IUFRO Unit 3.06.00 was evaluated. The participants agreed on such a proposal and decided to establish a focal point at Reggio Calabria University, operating under the umbrella of the IUFRO Unit 3.06.00 coordination. This focal point shall start to build up contacts with the research institutions operating in the Mediterranean area in order to develop an effective network which could be the seed for further development. The network, once established, could meet for the first time on the occasion of the FORMEC 2010 at the University of Padova in July 2010.

New Modes of Governance in Forest and Environmental Policy: Conceptual Innovations and Empirical Insights

Karl Hogl, Deputy Coordinator of IUFRO 6.12.02 Forest Governance, InFER/BOKU Vienna; Eva Kvarda, Ralf Nordbeck, InFER/BOKU Vienna; Michael Pregernig, Institute of Forest and Environmental Policy, Freiburg

Changing modes of forest and environmental governance

The context of environmental and natural resource politics is changing. More than ever before, governmental actors lack the powers to deliver the required policy results on their own. Under the term "new modes of governance", policy makers are striving for more inclusive and legitimate, better integrated but less intrusive policy means of achieving policy goals. Governance particularly describes those types of political processes in which non-hierarchical modes of guidance, such as persuasion and negotiation, are employed, and public as well as private actors are engaged in policy formulation and implementation.

Bridging gaps between science and practice

At the 15th International Symposium on Society and Resource Management ([ISSRM 2009](#)) which was held July 5-8, 2009 in Vienna, Austria, a tripartite paper section, co-sponsored by IUFRO Group 6.12.02 'Forest Governance', focused on new modes of governance in forest and environmental policy. The twelve papers presented brought together innovative conceptual approaches with rich empirical insights from real-world forest and environmental policy processes from some 20 different countries (incl. the European Union). The sessions which were attended by about 120 scientists and practitioners sparked off vivid discussions and generated numerous judicious insights.

Core elements of governance

The three sessions did not deal with environmental governance as such but rather focused on specific procedural elements of governance, i.e. participation, multi-level co-ordination, and the role of science and expertise.



The first session addressed a number of challenging questions as regards two main underlying rationales for increased participation: the enhancement of effective policies and implementation, and the need for more legitimacy and acceptance of the process and policies. The four speakers stressed the importance of legitimacy and effectiveness as overarching rationales in participatory governance. Emphasis was put on the role of the government as process designer, the threat to representative democracy and the link between legitimacy and effectiveness in governance processes.

The second session dealt with the role of science and expertise in environmental and natural resources policy. The presenters of the papers put special emphasis on new conceptual models of the science-policy interface that go beyond the simple notion of 'speaking truth to power' and they reported upon the latent tensions between technical-rationalist approaches (cf. the buzzword of 'evidence-based policy-making') and calls for the democratisation of expertise in real-world science-policy advice processes.

Finally, the third paper section in particular focused on challenges and modes of policy coordination from a multi-level governance perspective. Presentations analysed the institutional design for national implementation of EU policies such as rural development programmes, the Habitat Directive as well as national implications of EU environmental conditionality as regards the transition towards sustainable forestry in South-Eastern European countries. The findings showed that, on the one hand, reforms induced by the EU policies have partly increased stakeholder participation and mobilized societal capacities at regional and local levels. On the other hand, when contrasted against the often overly optimistic governance rhetoric, the results still indicated major problems with regard to cross-sectoral coordination.



XXIII IUFRO World Congress

"Forests for the Future:
Sustaining Society and the Environment"
Seoul, Korea, 23-28 August 2010

All abstract submission must be made electronically on the Congress website:
<http://www.iufro2010.com/>

Click the "**Online Abstract Submission**" button.
For detailed instructions see the **Call for Papers**.
Deadline for abstract submission: 31 December 2009.
Acceptance of abstracts: no later than 10 Feb. 2010.
Note: Online abstract submission is best viewed with Internet Explorer.

Reports from Meetings

Climate, Ecology, Forestry and Farming on the Eurasian Continent

by Piotr Paschalis-Jakubowicz, IUFRO Board Member

On the occasion of the 75th anniversary of the foundation of the Irkutsk State Academy of Agriculture, an international scientific conference was held from 25 - 29 May 2009. More than 80 papers were presented and published in a special conference proceedings volume. The topics discussed were divided in the following thematic chapters:

- climatic variability and problems of agriculture and forestry,
- environmental problems of farming and forestry,
- traditional and modern methods of agriculture and forest management on the Eurasian continent; and
- analysis of education at the university level in the scope of agriculture and forestry.

Representatives of several research institutes and colleges from Bulgaria, Kazakhstan, Kirgizstan, Mongolia, Poland, Russia, Serbia, Tajikistan and Ukraine took part in the Conference. During a special session, the scope of action, purpose, structure and the vision of development of IUFRO was presented and IUFRO information material was handed out.



Photo by
Piotr Paschalis-
Jakubowicz:
Traditional wooden
building in Irkutsk,
Russia

Council on Forest Engineering Meeting

by Bruce R. Hartsough, UC Davis, <http://www.COFE.org>

The 32nd COFE Annual Meeting, 15-18 June 2009, focused on Environmentally Sound Forest Operations, and what better venue than Lake Tahoe, California/Nevada? Recent fires show the need to reduce forest fuels, but environmental and aesthetic concerns make it difficult to operate in the Tahoe Basin. A field trip highlighted the challenges: numerous regulations/agencies, public scrutiny, sensitive areas, and water quality issues. The meeting, sponsored by IUFRO Division 3, US Forest Service and University of California at Davis, drew 70 participants from Australia, Austria, Belgium, Canada, Japan, South Korea, New Zealand and the United States. For more details, visit: <http://www.iufro.org/science/divisions/division-3/30000/activities/>

Students' Column

IFSA is a New Member of IUFRO !

At the beginning of July, IFSA became a member of IUFRO. Through this closer relation, the students' association aims at proposing more benefits to its members, such as partici-



ipation at meetings, contacts with scientists, publications, etc. This is especially useful for students who are interested in a scientific career, thanks to the strong network of IUFRO.

<http://www.ifsanet.net/main.php>

Portrait of a Forest Science Student

My name is **Dan Burgar Kuzelicki** (21) and I'm a forestry student from Slovenia. I'm studying for my bachelor's degree at the Biotechnical Faculty, Department of Forestry and Renewable Forest Resources in Ljubljana, Slovenia. Studying forestry has really started a new phase in my life. I have learnt a lot about things that I'm interested in, and have met lots of new people through IFSA. I'm especially interested in the utilization of biomass, since Slovenia has about 60% of its land covered by forests. Wood is a very important source of energy in this country and is likely to become even more important in the years to come.



Announcements

Earth System Research Visioning Website Launch

The ICSU General Assembly decided in October 2008 that there was a need to outline options for an overall framework for global environmental change research and its policy relevance. Under the leadership of ICSU's Committee on Scientific Planning and Review, a three-step [Earth System visioning process](#) has been launched.

The first step in the process is a web-based consultation at <http://visioning.icsu.org> which poses the questions: "What is the most important research question in Earth system research that needs answering in the next decade? Why?" On the website, which will be active until 15 August, you cannot only post research questions, but also indicate how you view the contributions from others, by voting on questions and posting comments.

(Deliang Chen, Executive Director, ICSU)

Code of Good Practice for Forest Carbon Projects

The UK Forestry Commission has prepared a draft Code of Good Practice for Forest Carbon Projects and is now inviting national comments.

Visit: <http://www.forestry.gov.uk/carboncode>

The Code specifically wants to ensure that forest carbon projects are sustainably managed as set out in the UK Forestry Standard and shall provide transparent criteria and standards for ensuring that carbon benefits are delivered.

Vacancy Announcement

Currently, a new professor is being recruited at the Prince Bernhard Chair for International Nature Conservation, Utrecht, The Netherlands. Find more information and download the announcement: <http://www.bio.uu.nl/pbc>.

Publications

Proceedings: International Conference ICWSE "Wood Science and Engineering in the Third Millennium"
7th edition, "Transilvania" University Brasov, Romania, 4-6 June 2009, Editors: Prof.dr.ing. Mihai Ispas, Assist. Prof.dr.ing. Lidia Gurau, ISSN 1843-2689. ([IUFRO 5.05.00](http://www.iufro.org/science/divisions/division-2/20000/20200/20209/publications/))

Proceedings:

Christmas Trees Conference

Thomsen, I.M., Rasmussen, H.N. & Sørensen, J.M. (Eds.) 2008: Proceedings of the 8th International Christmas Tree Research and Extension Conference. Forest & Landscape Working Papers No. 26- 2008, 145 pp. Forest & Landscape Denmark, Hørsholm.

Conference of IUFRO Working Unit 2.02.09 - Christmas Trees, held at Hotel Bogense Kyst, Denmark, August 12th - 18th, 2007. <http://www.iufro.org/science/divisions/division-2/20000/20200/20209/publications/>

Proceedings:

Phytophthora in Forests and Natural Ecosystems

Proceedings of the fourth meeting of IUFRO Working Party [7.02.09](http://www.iufro.org/science/divisions/division-2/20000/20100/20117/publications/), August 26-31, 2007, Monterey, California USA. General Technical Report PSW-GTR-221, May 2009-07-21 Technical Coordinators: Ellen Michaels Goheen and Susan J. Frankel

Book of Abstracts:

5th International Symposium on Adventitious Root Formation: From cell fate flexibility to root meristem determination and biomass formation

June 16 – 20, 2008, Alcalá de Henares, Madrid. Spain
<http://www.iufro.org/science/divisions/division-2/20000/20100/20117/publications/>

Kunming Conference Report

International Conference on Sustainable Forest Management and Poverty Alleviation: Roles of Traditional Forest-related Knowledge, 17-20 December 2007; Kunming, China

<http://www.iufro.org/science/task-forces/traditional-forest-knowledge/activities/>

Innovations in Forestry Accounting: Integration of Forest Assets and Non-Market Environmental Benefits into Management and National Accounting and Reporting

Austrian Journal of Forest Science 126 (2009), 1/2, 118 p. Selected contributions to XXII IUFRO World Congress in Brisbane, Australia, 8 – 13 August 2005.

Authors: Jöbstl, H.; Herbohn, K.; Tzschupke, W.; Campos, P. and Caparrós, A.; Maraseni, T.N., Cockfield, G. and Apan, A.; Gios, G. and Goio, I.

Forests and Human Health Newsletter 1/2009

<http://www.metla.fi/uutiskirje/ForHealth/index.html>

This issue contains among other things a brief introduction to the Korean Forum on Forests and Human Health as well as information about the elaboration of a proposal for a Health Impact Assessment in the forest context (F-HIA).

Background documents:

MCPFE Workshop on Forests and Water:

The workshop on Forests and Water in Antalya, Turkey from 12–14 May 2009 aimed at examining the interrelations and mutual influences of forests and water. Find presentations and background documents at:

http://www.mcpfe.org/forests_and_water

New book:

Rights-based approaches: Exploring issues and opportunities for conservation

In recent years, the conservation community has begun to explore the relationships between biodiversity conservation and human rights protection. The International Union for Conservation of Nature (IUCN) and the Center for International Forestry Research (CIFOR) have brought together a collection of diverse lessons and perspectives in understanding and addressing the links between conservation and human rights in a new book.

Jessica Campese, IUCN, [jesscampese\(at\)gmail.com](mailto:jesscampese(at)gmail.com)
Terry Sunderland, CIFOR, [t.sunderland\(at\)cgiar.org](mailto:t.sunderland(at)cgiar.org)

New book:

Avoided Deforestation: Prospects for Mitigating Climate Change

This new book brings together important research contributions on the policy and economics of avoided deforestation as a strategy for climate change mitigation. Contributors include, among others, Sandra Brown, Alain de Janvry, Maryanne Grieg-Gran, Nancy L. Harris, Brian C. Murray, Alexander Pfaff, Ewald Rametsteiner, Brent Sohngen, and Sven Wunder.

For more information, contact:

Stefanie Engel, [stefanie.engel\(at\)env.ethz.ch](mailto:stefanie.engel(at)env.ethz.ch)

Report: Corruption in the forestry sector and illegal logging. The problem, its implications and approaches to combating it

The German Agency for Technical Cooperation GTZ has just published a new report which can be downloaded free of charge from: <http://www2.gtz.de/dokumente/bib/gtz2009-0238en-policy-briefs-corruption.pdf>

Impacts of Europe's Changing Climate – 2008 Indicator-based Assessment

Joint EEA-JRC-WHO report, ISSN 1725-9177

Enquiries: eea.europa.eu/enquiries

IUFRO Meetings

NOTE: This is not a full list of IUFRO meetings!

Search our [online calendar](#) for a full list of meetings.

Find non-IUFRO meetings on the IUFRO [Noticeboard](#).

Also search for forest-related events at: <http://www.gfis.net>

31 August – 4 September 2009

The Silver fir (*Abies alba* Mill.) and its relatives in Europe: current status and future perspective

Hittisau (Bregenzerwald), Austria

IUFRO [1.01.09](#)

Contact: Raphael T. Klumpp,
raphael.klumpp(at)boku.ac.at

http://www.wabo.boku.ac.at/fileadmin/_/H91/H913/tanne_2009/silver-fir-2009.html

6-10 September 2009

Gender education in curricula of natural resources management - implicit and explicit!

Vancouver, BC, Canada

IUFRO [6.08.02](#)

Contact: Siegfried Lewark,
siegfried.lewark(at)fobawi.uni-freiburg.de

<http://www.iufrogendercolorado.info/>

14-18 September 2009

9th Int'l Christmas Tree Research & Extension Conference

Corvallis, Or, And Puyallup, Wa, United States

IUFRO [2.02.09](#)

Contact: Chal Landgren,
chal.landgren(at)oregonstate.edu; Rick Fletcher,
rick.fletcher(at)oregonstate.edu

<http://oregonstate.edu/dept/NWREC/Christmastrees/iufro/>

23-24 September 2009

Shape your Sustainability Tools

Uppsala, Sweden

EFORWOOD, IUFRO

Contact: office(at)innovawood.com

<http://www.eforwood.org>

19 October 2009

Forests, human health and well-being: findings of IUFRO's recent science initiatives

Buenos Aires, Argentina

Side Event organized by IUFRO Task Forces "Forests and Human Health", "Traditional Forest Knowledge" and "Improving the Lives of People in Forests" at the XIII World Forestry Congress.

Contact: eeve.karjalainen(at)metla.fi,
jparrotta(at)fs.fed.us, p.cronkleton(at)cgair.org
<http://www.iufro.org/science/task-forces/forests-trees-humans/activities-and-events/>

27-29 October 2009

Social and Cultural Values in Sustainable Forest Management

Florence, Italy

IUFRO [6.07.00](#)

MCPFE meeting on implementing IUFRO's scientific guidelines on social and cultural values in all MCPFE countries.

Contact: Valentina Marinai, Info.forest(at)unifi.it
<http://www.mcpfe.org/www-mcpfe/node/198>

12-16 September 2010

Population dynamics, biological control, and integrated management of forest insects

Eberswalde, Germany

IUFRO [7.03.06](#), [7.03.07](#), [7.03.13](#)

Contact: Andreas Linde, alinde(at)fh-eberswalde.de
<http://www.forestinsects.org/iufro/eberswalde/>

Other meetings

23-28 August 2009

Second World Agroforestry Congress

Nairobi, Kenya

<http://www.worldagroforestry.org/WCA2009/>

15-18 September 2009

1st Int'l Community Forestry Workshop "Thinking Globally, Acting Locally: Community Forestry in the International Arena"

Pokhara, Nepal

Contact: Bala Ram Kandel, cpfd(at)wlink.com.np ;
Peter Branney, p-branney(at)lfp.org.np

<http://communityforestryworkshop.com.np/>

1-2 October 2009

Waldnet - 4th Conference on Forest Pedagogics

Bildungszentrum Wald in Lyss, Switzerland

Contact: Stiftung SILVIVA, info(at)silviva.ch

<http://www.silviva.ch/conference>

18-23 October 2009

XIII World Forestry Congress

Buenos Aires, Argentina

<http://www.wfc2009.org/>

Provisional program now available!



11-12 November 2009

Future Forest Monitoring in the European Union – Providing Information for Multifunctional Forest Management

Uppsala, Sweden

Contact: Göran Ståhl, Goran.Stahl(at)srh.slu.se

<http://www.slu.se/environ/futformon>

17-19 November 2009

Malaysian Urban Forestry Conference 2009

Kuching, Sarawak, Malaysia

Contact: Mr. Sreetheran Maruthaveeran,
sreetheran(at)frim.gov.my; http://unri.org/iufro/wp-content/uploads/2009/05/uf_2009_malaysian1.pdf

23-25 June 2010

Modelling, Monitoring and Management of Forest Fires

Kos, Greece

Wessex Institute of Technology, UK and Politecnico di Torino, Italy. **Contact:** Claire Shiell, cshiell(at)wessex.ax.uk

<http://www.wessex.ac.uk/fires2010>

2-7 July 2010

ESOF 2010 - Euroscience Open Forum

Turin, Italy

Contact: info(at)esof2010.org, <http://www.esof2010.org/>