

IUFRO Unit 4.05.00

Managerial Economics

and Accounting

Business meeting



On the occasion of the 2016 International Annual Symposium on:

**„Advances and Challenges in
Managerial Economics and Accounting“**

Vienna, May 9-11, 2016

by Lidija Zadnik Stirn

The mission of 4.05.00

4.05.00 is the global home for science and research related to forest economics and accounting:

- investigating various elements of social and economic dimension of forests;
- on interdisciplinary basis - (International Forest Governance, Forests for People)
- accounting of forest enterprises, national accounting as a reference for forest enterprises and forest policy

4.05.00:

- promotes global cooperation in forest-related research
- enhances the understanding of the ecological, economic and social aspects of forests
- disseminates scientific knowledge to stakeholders and decision-makers
- contributes to forest policy on the ground of forest management.

Previous meetings of 4.05.00

1/2

- 1985 **Brno, CZ**, Actual Problems of Managerial Economics in Forestry
- 1986 **Ljubljana, SLO, WC**, Monitoring of Environmental Impacts by Forest Management Planning
- 1987 **Moscow, SU**, Production Possibilities of Forests, their Optimal Utilization and Management of Forest Enterprises
- 1988 **Gmunden, A**, Economic Assessment of the Damage Caused to Forests by Air Pollutants
- 1989 **Sopron, H**, Computer-Based Automated Management Systems in Forestry
- 1990 **Dresden, GDR**, The Interlacement of Enterprise Management and Forest Management Planning in Forest Enterprises
- 1991 **Goettingen, G**, Evaluation of the Unpriced Social Benefits Provided by Forest Enterprises
- 1992 **Eberswalde, G**, Forest Management Planning and Management Science - Guarantors of Sustainability
- 1993 **Chania, GR**, Forest Product Marketing and Non-market Usage of Forests
- 1994 **Munich, G**, Marketing in Forest Enterprises
- 1995 **Tampere, FI, WC**, Accounting and Finance in Forestry and Timber Industries
- 1996 **Edinburgh/Scotland**, Non-Market Benefits of Forestry,.
- 1997 **Nancy, FR**, Accounting and Managerial Economics for an Environmentally-Friendly Forestry,
- 1998 **Ostia, I**, Institutional Aspects of Managerial Economics and Accounting in Forestry
- 1999 **Prague, CZ**, From Theory to Practice – Gaps and Solutions in Managerial Economics and Accounting
- 2000 **Kuala Lumpur/Malaysia, WC**, Sustainable Forest Management under Conditions of Growing Global Pressures
- 2001 **Solsona, SP**, The Economics of Natural Hazards in Forestry, Solsona/Spain.
- 2002 **Sopron, H**, Management and Modelling Multifunctional Forest Enterprises and Properties
- 2003 -----

Previous meetings of 4.05.02

2/2

- 2004 **Toronto, CA**, Economics of Sustainable Forest Management
- 2005 **Padova, IT**, The Multifunctional Role of Forests: Policies, Methods and Case Studies,
- 2005 **Brisbane, Australia, WC**, Innovations in Forestry Accounting: Integration of Forest Assets and Non-market Environmental Benefits into Management and National Accounting and Reporting
- 2006 **Rottenburg, G**, Managerial Economics and Accounting in an Evolving Paradigm of Forest Management
- 2007 **Lviv, Ukraine**, Building Insights of Managerial Economics and Accounting towards Sustainable Forest Management
- 2008 **Ljubljana, SLO**, Emerging Needs of Society from Forest Ecosystems: Towards the Opportunities and Dilemmas in Forest Managerial Economics and Accounting
- 2009 **Darmstadt, G**, Sustainable Forest Management and Accounting - Resolutions During the Financial Crisis
- 2010 **Paris, FR**, How to both harvest and preserve forests more or better? Paris/France.
- 2011 **Viterbo, IT**, Multiple forest outputs: Silviculture, Accounting and Managerial Economics
- 2012 **Tennessee, USA**, Criteria and Indicators for Sustainable Forest Management: Contributions of managerial Economics and Accounting
- 2013 **Prague, CZ**, Socio-economic Analysis of Sustainable Forest Management
- 2014 **Adaptation in forest management under changing framework conditions; Sopron Hungary**
- 2015 **Cross-sectoral policy impacts on managerial economics and accounting in forestry, Sarajevo, Bosnia and Herzegovina**
- 2016 **Vienna, Austria, Advances and Challenges in Managerial Economics and Accounting,**

Publications (some of them) – add new (several are missing on IUFRO web page)

- BUTTOUD, G., JOEBSTL, H., MERLO, M., (Ed., 1998). *Accounting and Managerial Economics for an Environmentally-friendly Forestry*. Proceedings of the IUFRO Symposium in Nancy, France, April 20-23, 1997, 384 pp. ISBN 2-7380-0814-3.
- JOEBSTL, H., MERLO, M., VENZI, L., (Ed. 1998). *Institutional Aspects of Managerial Economics and Accounting in Forestry*. Proceedings of the IUFRO Symposium in Roma-Ostia, Italy, April 15-18, 1998, 559 pp. ABI 06065-CAB 14501.
- SISAK, L., JOEBSTL, H., MAERLO, M., (Ed., 2000). *From Theory to Practice: Gaps and Solutions in Managerial Economics and Accounting in Forestry*. Proceedings of the IUFRO Symposium in Prague, Czech Republic, May 13-15, 1999, 261 pp. ISBN 80-213-0638-6.
- HEJJ, B., SCHIBERNA, E., (Ed., 2003). *Management and Modelling Multifunctional Forest Enterprises and Properties*. Proceedings of the IUFRO Symposium in Sopron, Hungary, May 26-28, 2002, 191 pp.
- KANT, S., TZSCHUPKE, W., PEYRON, J.L., JOEBSTL, H. (Ed., 2008). *Managerial Economics and Accounting in an Evolving Paradigm of Forest Management*. Proceedings of the IUFRO Symposium in Rottenburg, Germany, May 17-20, 2006, 376 pp. ISSN 0940-3698
- ZADNIK STIRN, L. (Ed., 2008) *Emerging Needs of Society from Forest Ecosystems: Towards the Opportunities and Dilemmas in Forest Managerial Economics and Accounting*. Proceedings of the IUFRO Symposium in Ljubljana, Slovenia, 22 – 24 May 2008; 228 pp. ISBN 978-961-6020-51-0
- JOEBSTL, H. and RODER, C. (Eds., 2009) *Managerial Economics and Accounting in an Evolving Paradigm of Forest Management*. Proceedings of the Symposium 2006, Rottenburg, Germany. Second revised edition. BOKU, Vienna, 356 p. ISBN 978-3-900962-82-1
- CESARO, L., GATTO, P. and PETTENELLA, D. (Eds., 2008) *The Multifunctional Role of Forests – Policies, Methods and Case Studies*. EFI Proceedings No. 55, Joensuu, 380 pp.
- ZAHVOYSKA, L., KANT, S. and MAKSYMIV, L. (Eds., 2009) *Building Insights of Managerial Economics and Accounting towards Sustainable Forest Management*. Proceedings of the Symposium 2007, Lviv, Ukraine. Ukrainian National Forestry University (UNFU), Lviv, 183 p. ISBN 978-966-433-039-5

Future of 4.05.00 - general

- Intensify the work in the groups
- New tasks of the group
- Participation at the 125 anniversary in Freiburg and WC in Brazil in 2019
- Synergy between 4.05.00 and 9.04.00 and other groups
- Publications, research work on international level
- Education within SFM
- Next meetings (2018 Zagreb)
- Get new active members
- etc. ----
- **your input please!!!!**



IUFRO web page

- **add research interests** Cesaro, Penttinen, Grebner
- **405.03 missing some paragraphs**
- **add publications**

Activities since last meeting in Sarajevo

- **Don Hodges: proc. IUFRO 4.05.00, 2012, US**
- **Special issue Forest Policy and Economics:
Integrating Ecosystem Service Concepts into
Valuation and Management Decisions, 6
manuscripts**

Next meetings of group and broader

- **China: <http://www.iufro-ao2016.org/en/>
see the list of accepted sessions**
- **125 an. of IUFRO Freiburg 2017**
 - a) group meeting, proceedings
 - b) session proposal****
 - c) special issues
- **2018 group 4.05.00 meeting ZAGREB**
- **2019 WC in Brazil, Curitiba**
 - a) group meeting
 - b) session proposal, publications
 - c) new coordinators and deputies

Freiburg session proposals

- **Don, USA**
- **Walter, BOKU et al.**
- **Bernhard, Germany**
- **Stjepan, *CRO financial indicators, cost effectiveness, short rotation plantations***
- **BFGO – Lidija et al., Ljubljana**
- **IFS (Tjaša), Ljubljana**
- **Lilijana Keca, Belgrade**
- **Mariana Melnykovich and Maria Nijnik,
UK + Ukraine**
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An example of session proposal

Session Proposal for IUFRO-AO 2016

Beijing, China

October 24 to 27, 2016



Title of the proposed session: Forest restoration in hilly and mountainous landscapes: Integrating social protection and economic opportunity

Session Description (background, objectives, etc.; max 500 words):

Global climate mitigation efforts and national strategies to deliver forest products and ecosystem services have brought new impetus for large-scale restoration of landscapes through expansion and protection of forest cover. In countries characterized by high rural population densities, income disparities between rural/upstream and urban/downstream areas, and growing environmental risks associated with overexploitation of land resources (particularly in hilly and mountainous regions), prioritizing forestry in landscape management has significant impacts on the livelihood choices of agrarian smallholders and communities. For this reason, the promotion of re/afforestation and forest protection in landscapes occupied by smallholders, whether by environmental/development agencies or governments, requires intensive and sustained attention to the social welfare of upland and mountain farmers.

Presentations will be followed by a roundtable discussion featuring comments by representatives of key institutions involved in the planning, design, financing and/or monitoring of large scale restoration initiatives, providing examples of efforts to ensure sufficient benefits of restoration to community stakeholders, to compensate for opportunity costs and safeguard food security, and to address problems arising from socio-economic vulnerability in upland restoration areas. It is expected that the discussion will highlight potential challenges and knowledge gaps related to the social effects of forest landscape restoration in relation to upland ecosystems, to guide future research and indicate potential pathways for the useful dissemination of related knowledge.

It is further expected that this session will connect to sessions led by IUCN and CATIE and potentially other partners on other key dimensions of forest and landscape restoration.

Session themes:

- Forest and landscape rehabilitation and restoration

Organizer(s):

1. Center for International Forestry Research (CIFOR)
2. China National Forestry Economics and Development Research Center (FEDRC)
3. International Network for Bamboo and Rattan (INBAR)
4. Chinese Academy of Forestry
5. Renmin University

Funders/Projects:

1. DfID KNOW-FOR, CIFOR Sub-project on Smallholder Forest Landscape Restoration (FLR)
2. CGIAR Consortium Research Program on Forests, Trees and Agroforestry (FTA)
3. State Forestry Administration of the People's Republic of China (SFA)

Number(s) and name(s) of involved IUFRO unit(s):

1. 3.08 Small-Scale Forestry
2. 6.10 Rural Development

Proposed speakers and tentative topic(s) (if known)

Hour 1: Presentations

Donald Hodges (dhodges2@utk.edu)

Managerial Economics and Accounting: Examining the Past, Exploring the Future – A review of how the disciplines have changed during the past 125 years and where they are heading

■ Part I - Review the Past – presentations that review the history of the working group, as well as one each reviewing how managerial economics and accounting have evolved/grown

A. Managerial Economics

B. Managerial Accounting

■ Part II. - Forecasting the Future – series of presentations to discuss cutting edge research/future directions for selected topics such as Faustian Formula, Green Accounting, Ecosystem Services, etc.

Walter Sekot (walter.sekot@boku.ac.at):

Part I: „International compatibility and benchmarking of economic data from monitoring, reporting and accounting“ with the following explanation: Accounting issues are to be addressed at the enterprise as well as at the national level, referring to frameworks such as forest accountancy data networks, IAS41, IEEAF and FRA. The scope of contributions comprises timber production as well as the provision of non-wood goods and forest services.

Lidija Zadnik (lidija.zadnik@bf.uni-lj.si)

- Part I. - Wood biomass forms an important segment of renewable energy sources in EU and worldwide. The supply and demand for wood biomass for energy purposes has increased drastically in the last decade. Many synergies and conflicts are to be created which also shape the current wood biomass production and use for energy purposes. The session intends to aim at exploring and explaining i) the perceived driving factors of forest wood biomass production sourcing from different forest management scenarios, and ii) stakeholders' perceptions/opinions analysed by means of qualitative and quantitative methods. Some results of the project COOL (Wood&Wisdom ERA net) will be presented, and case of Slovenia will be surveyed.

Tentative title: The supply and demand of wood biomass for energy purposes: the EU status quo and perspectives

- Part II. According to Theme 4 of IUFRO strategy 2015-2019: *“Forests provide a wide range of forest products and ecosystem services that are vital to humanity; developing effective decisions for the protection of biodiversity and associated ES requires a collaborative interdisciplinary research”*, we can state that forest management (FM) with its strategic, tactical and operational undertakings presents a very complex problem with strong multi-functionality. The management strategies must ensure both the owner's income and the other functions relevant to the public as a whole. Prior approaches to FM decisions that were for decades determined/chosen foremost with regard only to economic attitudes and within exclusive demand of one or a few individuals, must now be made with substantial public input (participatory process) while achieving economic, ecological and social objectives. In order to pursue these intents, the feasible FM decisions and objectives must first be generated, then evaluated and optimized according to the relative importance of each forest function. Various tools, methods and decision support models (DSM) have been used in FM planning to determine the optimal decision. Within this session we plan to mention some (DSM) from the previous times and some new ones. Generally DSM in forestry can be classified according to the considered unit or level, quantitative and qualitative methods, deterministic, stochastic and heuristic algorithms, linear, non-linear, dynamic, multi-criteria, fuzzy, iterative, interactive, discrete and continuous approaches. For each DSM we can discuss its advantages and disadvantages for the use in FM.

Tentative title: DSM for optimal FM: in the past, nowadays and a view to the future

Ljiljana Keca (ljiljana.keca@sfb.bg.ac.rs)

Part I. Tentative title: "Value chain analysis in forestry" - proposals for presentations are welcome


Part II. Tentative title: "Investment appraisal in forestry" - proposals for presentations are welcome

Mariana Melnykovich (mariana.melnykovich@ukr.net) and **Maria Nijnik** (maria.nijnik@hutton.ac.uk)

Part I: Session should be linked to forest ecosystem services and communities' well-being in remote rural areas under current climatic changes. Presentation on possibilities of increasing the well-being of rural communities in remote forest-dependent areas through sustainable use of FES are welcome. The idea is to compare different countries in Europe.

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- Various
 - Suggestions
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