**Report of the Coordinator 2016/2017**

# Community of Practice

# Forest Decision Support Systems

**IUFRO 125th Anniversary Congress – Interconnecting Forests, Science and People**

**Freiburg, 18.09.2017**

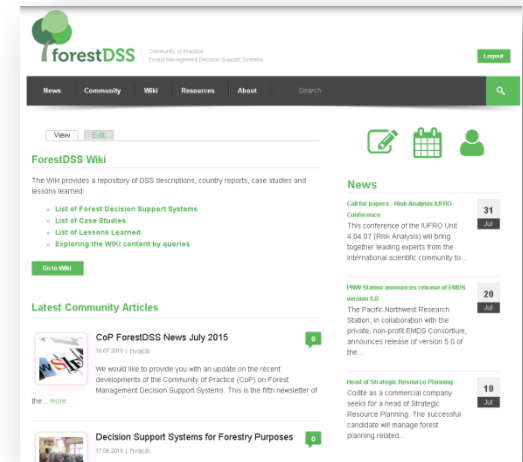**Harald Vacik & Ola Eriksson**

# Aktivities 2016/2017

- ForestDSS webportal [www.forestdss.org](www.forestdss.org)
- Participation in conferences / workshops
- Applications for funding
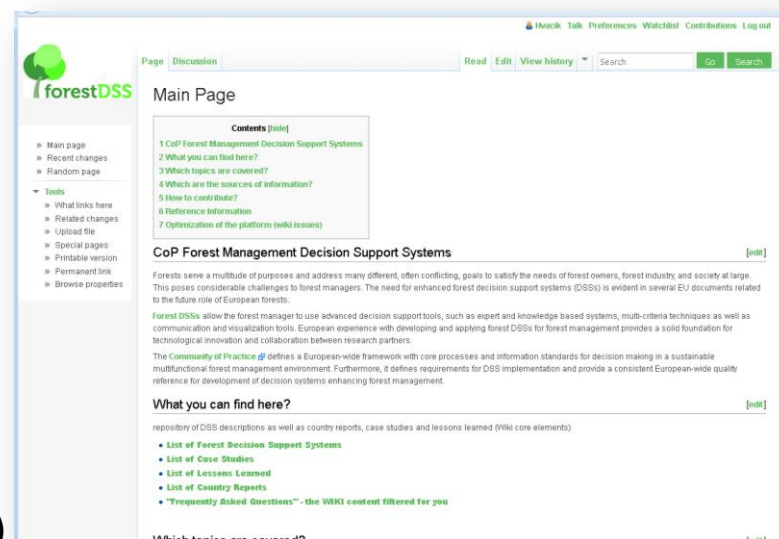- Dissemination activities

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# ForestDSS webportal

- Update of webcontents (events, community news)
- Increase of functionality (search, upload, editing)
- Some Figures:
  - 150 active members registered
    - 4 admins
    - 20 editors (more privileges)
  - 195 DSS relevant publications by members
  - 36 community articles
  - 170 news entries

# ForestDSS Wiki

- Several updates of wiki pages and DSS descriptions
- Some figures
  - 69 DSS descriptions in total
  - 89 DSS lessons learned
  - 32 DSS case studies
  - 737 content pages
  - 154 files uploaded
  - 12,661 page edits since start
  - 1,511,362 views (main page 130,714)
  - Most linked-to pages
    - Market wood products (284 links)
    - Multiple objectives (240 links)
    - Long term (strategic) (199 links)

# Members of CoP Working Committee

- ## DSS description:
  - Jussi Rassinmäki, Christian Rosset, Alexandra Marques, Jose Borges;

- ## DSS cases and lessons learned:
  - Sean Gordon, Antonio Floris, Luc Boerboom, Jose Borges, Tomas Lämås, Silvana Nobre;

- ## DSS architecture and design:
  - Christian Rosset, Alexandra Marques, Jussi Rassinmäki, Graham West

- ## methods and models:
  - Jordi Garcia, Jose Borges, Jan Kaspar, Mikko Kurttila

- ## participatory processes and knowledge management:
  - Harald Vacik, Eva-Maria Nordström, Chiara Torresan, Isabella De Meo, Teppo Hujala, Luc Boerboom, Keith Reynolds

- ## system coordination plattform:
  - Harald Vacik, Christian Rosset

*underlined indicate „main responsibilty"

# Organisation and participation in conferences (ii)

- 24.-29.09.2017 - Green-Blue-Nexus conference, Halle, Germany
- 18.-22.09.2017 - 125th IUFRO Anniversary Congress, Freiburg, Germany, DSS Session "Decision Support Approaches in Adaptive Forest Management"
- 27-31. August 2017 SSAFR 2017, Symposium on Systems Analysis in Forest Resources, Seattle, Washington, US
- 5-6 September 2016, COST Action ORCHESTRA "Bioeconomy and ecosystem services, synergy or conflict? Horizontal and vertical policy analysis, modelling and orchestration in practice" Louvain-la-Neuve, Belgium
- July 3-6, 2016, 28th European Conference on Operational Research (EURO XXVIII), Poznan, Poland.
- 23-25 May 2016, ICDSST-2016, Plymouth UK, The Use of DSS in Forest Resource Management

# Organisation and participation in conferences (ii)

- 19-21.08.2015 SSAFR 2015 "Symposium for Systems Analysis in Forest Resources" Uppsala, Sweden

- 12-15.07.2015 "European conference for Operational Research and Management Science (ORMS)" Glasgow, UK

- 7-9.07.2015 "Mountain Forest Management in a Changing World" in Smokovce, High Tatra Mountains, Slovakia

- 13-15.04.2015 "Decision Support Systems for Forestry Purposes", Łagów, Poland

- 9-11.03.2015 "Orchestra Meeting" COST Cascais (Portugal)

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# Special Issues organized/contributed on Forest DSS

- **Journal Forests -** *Decision Support Approaches in Adaptive Forest Management (October 2017)*

- **Journal of Software Engineering and Applications** *"Decision Support Systems" (April 2017)*

- **Journal Sustainability** *– DSS as platforms for the transfer of technology and knowledge of forest ecosystems  (Novermber 2016)*

- **Journal of Forest Policy and Economics** *– Orchestra – Models and tools for integrate policy analysis (October 2016)*

# Applications for funding

- COST proposal iLand "Integrated landscape management and planning" by Jan Kašpar (Sept 2017)

- Towards 2030 – Redefining and Synchronising Land and Natural Resource Use Through Integrated Policy Learning (Sept 2017) (SLU, BOKU, Padua, Wageningen, ..)

- Horizon 2020 - NOvel policies, Business modELs and mechanisms for the sustainable supply of and payment for forest ecosystem services (SLU, BOKU, CULS, ISA, UWH, ITC, Freiburg..) (February 2017)

- H2020 - SuFoRun Marie Skodowska-Curie Research and Innovation Staff Exchange (H2020-MSCA-RISE-2015)

- TrainForDSS KA2 Strategic Partnership – Conducting training and developing learning material on Forest Management Decision Support Systems (two applications in April 2014 and March 2015) (BOKU, SLU, UEF, CULS, ISA, UWH, ITC, FHB, INESC, Simosol)

- SK_ForMan_DSS Twinning proposal - Slovak Forest Management Decision Support Systems (May 2015) (TUZVO, SLU, BOKU)

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# Dissemination activities



- irregular news to all members
- ForestDSS Flyer and presentation
- Presentation and invitation at conferences
- Joint organisation of IUFRO meetings
- Cooperation with COST Actions Orchestra / Nonwood on update of DSS descriptions
- Special Issue in Forests (of IUFRO congress)

# Inputs, discussion and next steps (i)

- Organisation and Participation in conferences (Conference From Data to Decisions, CULS, Prague, 2018 SSFAR 2019, Chile and IUFRO World-Congress Oct 2019, Brasil, SUFOR Project, Costa Rica)
  - Support in Scientific committee, organisation of sessions, submission of abstracts (Robert for CULS)
  - Planning of training sessions in relation to conferences/workshops to gain income for CoP activities
- Planning of Forest DSS related webinars
- Map all DSS related courses worldwide for graduate and undergraduate students (Start with a list in wiki - Harald)

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# Inputs, discussion and next steps (ii)

- Update the DSS descriptions in WIKI to have a comprehensive and full list:
  - candidates are Woodstock, STELLA, Spectrum, REMSOFT, ESIR, EcoModelling, ECOSEL,… (CoP members would approach companies, institutions to document tools)
  - checking of country reports would help to get a full list (Silvana)

- Stronger link / support by IUFRO groups
  - 4.03.00 Informatics, modelling and statistics
    - 4.03.03 Information management and information technologies (links to CoP)
  - 4.04.04 Forest management planning
    - 4.04.02 - Planning and economics of fast-growing plantation forests
    - 4.04.04 - Sustainable forest management scheduling (links to CoP)
    - 4.04.06 - Nature conservation planning
  - Make link explicit at IUFRO pages and on CoP website (Harald)

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# Inputs, discussion and next steps (iii)

- Restructuring of DSS working groups
  - Get in touch with responsible working group leaders (Harald)
  - Adapt structure to the current needs of the CoP and check links to IUFRO groups
- Starting with a ForestDSS Twitter account (Jan + Harald)
  - Sharing responsibilities for tweets
  - Promoting news from CoP Webportal
  - Sharing and promotion of publications
- Preparing a contribution for Decision Support Systems Journal (ISSN: 0167-9236)
  - Organize a workshop with experts from different disciplines
  - Conduct review of specifics from forest related DSS
  - Advertise CoP ForestDSS to DSS community

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## Participants

- Ola Eriksson
- Jan Kasper
- Robert Marusak
- Johanna Lundström
- Karin Öhman
- Luiz Carlos Rodriquez
- Silvana Ribeiro Nobre
- Erik Wilhelmsson
- Harald Vacik

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