



ToS on Green Jobs in the Forest Sector: Action Plan 2014-2016



37th Joint Working Party on Forest Statistics, Economics and Management
18-20 March 2015, Geneva, Switzerland





Green Forest Jobs: general context

- Resource-efficient green economy and EU Policies,
- Forest Policies in a Green Economy, Forest Trends, Strategies and Forestry Programmes
- **New EU Forest strategy, the Rovaniemi Action Plan** for the Forest Sector in a Green Economy adopted at ECE/FAO
- Increasing employment in the forest sector by the creation of green sustainable jobs
- Educating, upskilling and training the forest sector workforce to avail of the latest technological advances and innovative developments in forestry





Geneva-Workshop June 2014

The *current situation on green jobs in the forest sector was evaluated* and the following *recommendations* were elaborated (at the Geneva-Workshop hold in June 2014):

Economic recovery

- Make forestry operations profitable

Innovation, new action fields and knowledge transfer

- Strengthen R&D in forest work/technology concerning major trends (e.g adaptation to climate change) by relevant studies, pilot projects and knowledge transfer
- Support/stimulate improvements/innovation in forestry work/technology (e.g modern planning, mechanised harvesting operations and IT)
- Core aspects of forest work & technology should be the focus (e.g more efficient and effective high.tech logging operations), in general: resource efficiency of all activities in the entire forest sector
- Medical doctors and health professionals should be made more aware of the ecotherapeutic benefits of forests
- Universities and other teaching and training institutions should amend, adjust and adapt their curriculum programmes to cater for the educational and training needs of those engaged in the

Green Forest Jobs Sector



Recommendations based on the Geneva-Workshop



Strengthen politics

- Ideally there should be a minister for forestry in each country
- More publicity films should be made (e.g. Al Gore's movie) about the benefits of forests
- Integration of global and regional drivers and changes in society

Communication, Marketing and sensitising

- Communicate the broad range of forestry jobs available (worker, manager, researcher, universities)
- www.greenforestjobs.eu with 500 examples
- www.greenskills.eu already existing
- Positive communication: forestry as base for green jobs, more students (competition)
- Change communication at the higher level
- UNECE-FAO should initiate a promotional PR magic molecule campaign (green chlorophyll) about the carbon sequestration potential of forests

Initiate and develop a European Think Tank on Green Forest Jobs

- European Think Tank on green forest jobs ETT=TOS



Challenges with impact on Green Forest jobs



Decisive challenges for the near future with *crucial impacts on Green Forest Jobs* will be:

- a) climate change and forest work adaptation strategies
- b) society and the forest in a changing world (e.g. health aspects, recreation, wildlife management, ecotherapy and other non timber benefits NTBs)
- c) Special trends and innovations like e.g.
forest energy, woody biomass production, bioethanol from forest residues, CO₂ and carbon capture, sustainable consumption, mycoforestry, bioremediation, water conservation, forest foods production, conservation and enhancement of forest biodiversity





Goal of the action plan

“We know what the future green forest jobs are!”.

Based on the analysis of the actual situation and future challenges the following SMART targets are proposed:

By October 2016 the different areas of potential green jobs in the forest sector will be identified,

ensuring the following deliverables (1) Newsletters, (2) handbook with recommendations (3) seminars, (4) (workshops)

Involving most of the UNECE-countries,

Targeting the implementation through existing networks & education systems,

Partly covering and complementing the ongoing processes and situations in the different regions of the UNECE





Main activities

The above targets will be accomplished by implementing the following strategy:

- 1) Enhancing the ***European Think Tank on future green forest jobs***: An open Network of interested people and organisations to exchange experiences and ensure knowledge transfer. The ToS on Green Jobs, institutionally linked to ECE/FAO, is the core of this Think Tank.
- 2) Ensuring **continuous networking**, liaison and cooperation with other networks: by being present at important conferences (e.g. Workshop BMUB in Berlin in November 2014) and within the ECE / FAO Network as well as liaising with other green job networks and other relevant stakeholders (see list below).





Specific activities

- Kick-Off of an inspiring **Open Book on “Future Green Forest Jobs”** on the internet: this open book on Wikipedia is being developed and adapted continuously, showing e.g. definitions, examples, and experiences. This open book is linked with existing well known platforms (e.g. www.eduforest.eu) and part of the ECE website.
- Organising **workshops and seminars:**
A workshop is proposed during the 72nd joint session of the ECE Committee on Forests and the Forest Industry and the FAO European Forestry Commission in Engelberg 2015 and it is proposed to organise a seminar in 2016 on “Future Green Forest Jobs” highlighting and discussing all the work carried out so far. It is also proposed to convene a workshop on Mycoforestry and Green Forest Jobs at that Seminar
- Elaboration of **Conclusions and Recommendations on “Future Green Forest Jobs”**
These conclusions will finalise the work done so far (with a summary of the top 20 proposals)



Landscape of Future Green Forest Jobs (Part I)



Wood production

- Timber frame houses
- Specialist in forest management
- Forestry entrepreneur
- Forestry technician
- Forestry machinery operator
- Communication & support forest owners
- Architecture & material of the future
- Skilled forestry worker

Energy production

- Forest energy bioethanol
- Forest energy producer
- Use of wood biomass and forest residues

Education

- Forest kindergarden
- Teacher in the forest
- Forest education
- Forest Training
- Clean-up-days in the forest
- Forest interpretation
- Communication & visibility (Importance of forests in a Green Economy)

Arboriculture

- Technician on Arboriculture

Recreation

- Ecotherapy
- Forest Recreation
- Recreation forester
- Forests and Ecotourism
- Visitor management / forest rangers

Mountain forestry

- Specialist Mountain Forestry and natural hazard management

Climate change

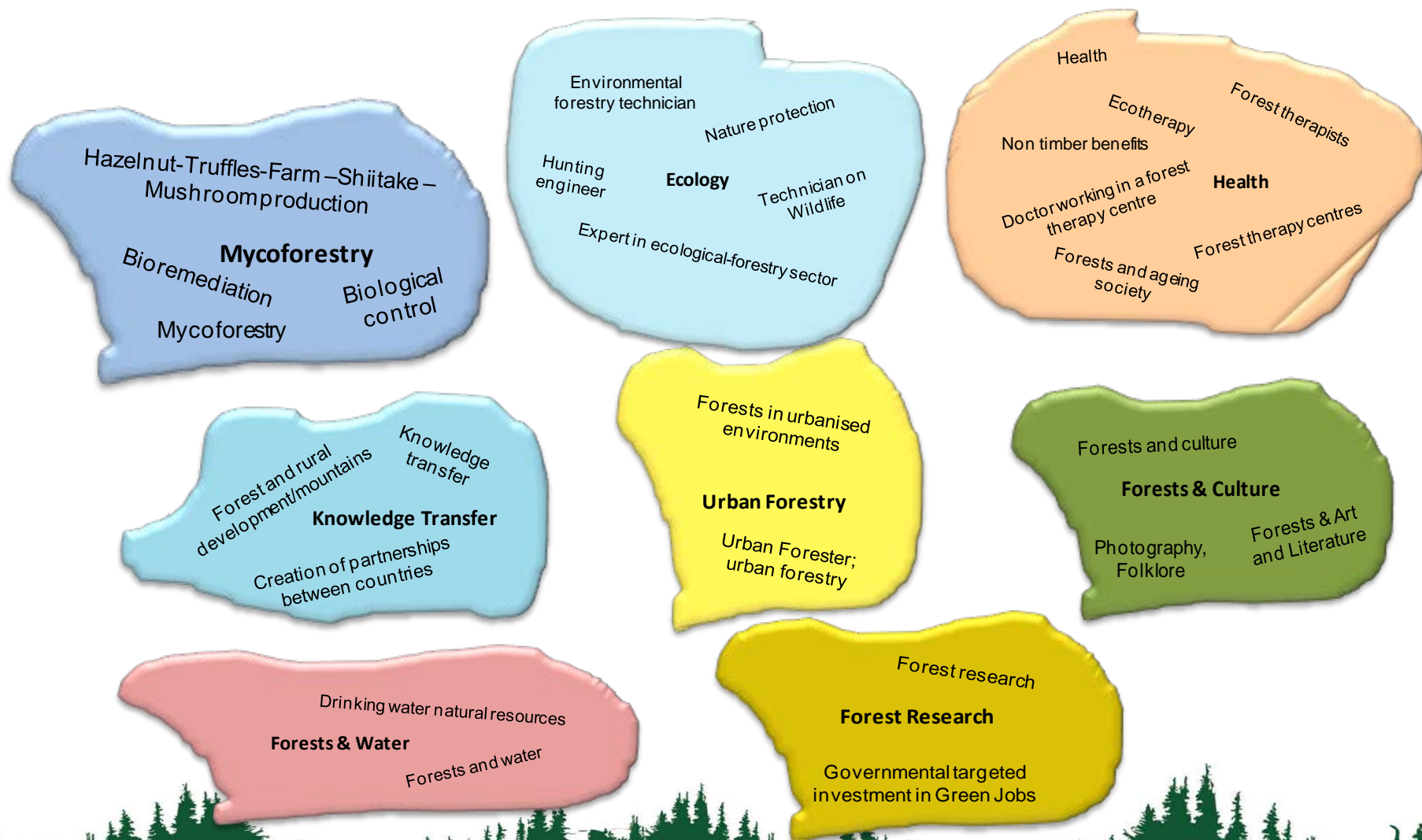
- Offsetting agricultural emissions
- Adaptation of species & ecosystems (climate change)
- Kyoto commitments (carbon sequestration)
- Management of genetic resources
- Increased afforestation, reforestation, nursery production

Bioengineering

- Bioengineer
- Bionik



Landscape of Future Green Forest Jobs (Part II)



Definition of a «Green Forest Job» (proposal ToS)



A green forest job (as proposed by the ToS) ...

... is involved in the fabrication of forest products and/or in the performance of forest services,

*... which comply with the principles of **Sustainable Forest Management (SFM)***

*... and which contribute to the **green economy**.*

“Green jobs are decent jobs in any economic sector (e.g. agriculture, industry, services, administration) which contribute to preserving, restoring and enhancing environmental quality. Green jobs reduce the environmental impact of enterprises and economic sectors by improving the efficiency of energy, raw materials and water; decarbonizing the economy and bringing down emissions of greenhouse gases; minimizing or avoiding all forms of waste and pollution; protecting or restoring ecosystems and biodiversity; and supporting adaptation to the effects of climate change. “ (ILO)





Stakeholders

The following institutions and existing networks should be involved in the process:

- European Forestry and Environmental Skills Council (EFESC)
- Contact points EDUFOREST Newsletter; Forest Training Centres
- Focal Points Study “Forest Skills and Training”
- GIFT - Green Innovation Future Technologies Project (INTERREG)
- Crann – Trees for Ireland
- Centre Forestier de la région Provence-Alpes Côte d’Azur (France)
- Forest Division, Federal Office for the Environment, Bern (Switzerland)
- Forest Europe - Forest Europe Liaison Unit
- MKULNV.NRW.DE (Germany)





Outputs & Milestones 2015

Outputs 2015:

- Update of the landscape of Future Green Forest Jobs and Action Plan
- Draft proposal on conclusions and recommendations
- Website «Green Jobs in the Forest Sector»
- Side-Event during SILVA2015
- Incorporation of results into forestry students curriculum lectures

Milestones 2015

- Presentations (Geneva and Barcelona in March)
- Meeting 24/25 march in Geneva
- Meeting to prepare Engelberg
- Launch new «Green Jobs in the Forest Sector» website
- Side-Event during SILVA2015 in Engelberg (november)
- Preparation for Seminar on Green Jobs in the Forest Sector (Ireland in April 2016)





Thank you for your attention!

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