TASK FORCE 2.
NWFP data and models: state of the art, needs and improvements

Current State & Progress and What to do now?
Krakow, 21th Februray 2014

Main objective:

To compile existing data and models on NWFP's identifying gaps in data and devising new protocols for NWFP data and modelling

Subtask 2.1. Reviewing NWFPs data and models
Subtask 2.2. Reviewing NWFP modelling methodology (inc. protocols for data acquisition)
Subtask 2.3. Identifying data and model needs

Mandatory deliverable:

A review of European NWFP data and models, including identified data needs

Task Force 2: Progress from Lisbon

- Election of a vice-leader: Fouad Mounir, from the National School of Forest Engineering, Morocco

- A list with all the members of TF2, covering all the participant countries, is demanded (special attention to ESR)

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19	18	Dimitrios Bakaloudis	School of Forestry and Natural Environment. Aristotle University	Greece	debakalou
20					
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TF2

- Only 13 out of 27 countries are represented.. . MC members?

Demands from Plenary Session

- BOOK CHAPTER CONTENT

- WHAT WE WANT TO INCLUDE IN COST DATA BASE?

- WHAT WE WANT TO ASK IN COMMON SURVEY?

- ARE WE ABLE TO PROPOSE SOME COMMON REVIEW REPORT, PAPER?

- PROPOSAL FOR TRAINING SCHOOL

CHAPTER BOOK (TF2)

Title (temptattive): Data, models and management tools for NWFP in Europe: current state and innovative proposals

- Importance of quantifying and forecasting NWFP
- Data and Decission Support Tools

  - Decided to work at Working group Product scale
  - Existing data sets on NWFP in COST particpting countries
    - Not a list (COST database)
    - Both quantitative and qualitative data
    - Description of type of data sets
    - Geographical – product distribution and balance analysis

  - State of art on existing NWFP models
    - Not a list (COST database)
    - Expert based tools, Empirical predictive models
    - Process based model, Stochastic models, DSS
    - Include methodological aspects on how theses models are designed, constructed and used
    - Geographical – product distribution and balance analysis

CHAPTER BOOK (TF2): cont.

- **Current use of the NWFP models and tools in forest practice**

- How are we transfering models?

- **User needs concerning data and models in NWFP**

- New directions on modelling NWFP

  - Role of quality
  - New techniques of modelling
  - Physiological sense
  - Climate sensitive models
  - Data acquisition techniques? LIDAR?

DATA BASE

Identifying the users and use cases

- WHAT WE WANT TO BE INCLUDED IN COST DATA BASE
    - Current information on NWFP production, yield: production, country scale
    - Existing datasets for NWFP: product, country scale
    - Existing models for NWFP: group product

- WHAT WE WANT TO ASK IN COMMON SURVEY?

    - Information on how NWFP are considered in inventories: template
    - Existing models for NWFP: general description of models in STARTREE questionnaire
    - Permanent plots/trials information
    - Information on current use

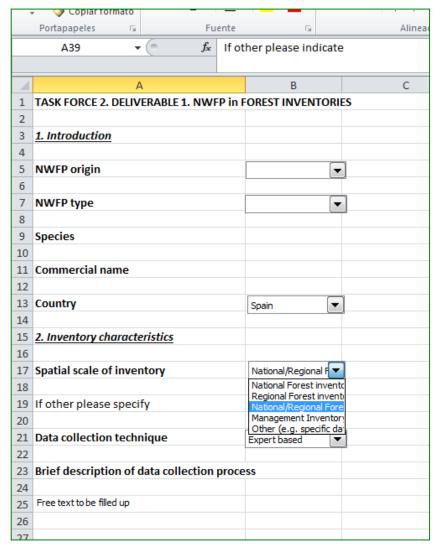Needed for book and other review resports, papers

Subtask 2.1. Reviewing NWFPs data and models

2.1.1. A report describing how NWFPs are considered in Forest Inventories at different levels (National - Regional –stand management). A draft questionnaire has been prepared and discussed between TF2 members. We discuss:

- Final structure
- How to spread it out
- How to analyse data

Gaps in available techniques, and protocols for NWFP data acquisition: species, products & regions
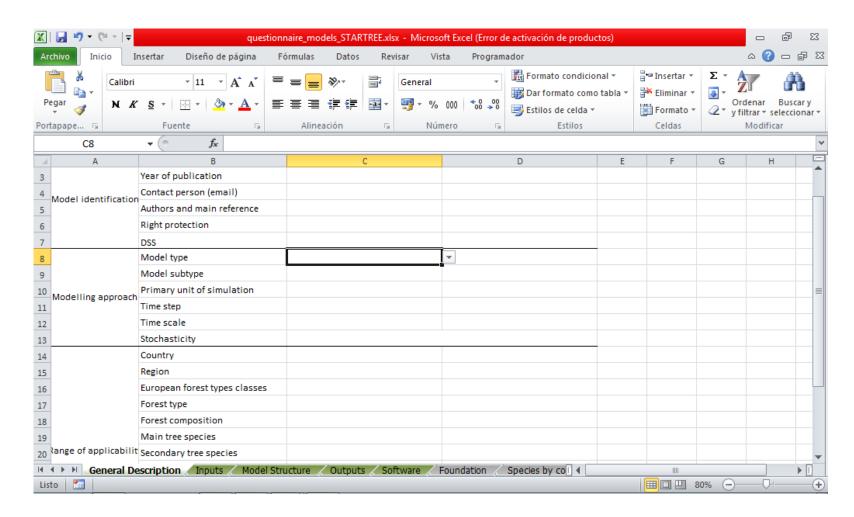
Subtask 2.1. Reviewing NWFPs data and models

2.1.2. Review on existing tools helping forest managers concerning NWFPs management: models, yield tables, expertise based opinions, dss..

- Update review by Calama et al. (2010)
- Include all the tools at national level: compile experience from forest managers => expert based tools
- Use template/questionnaires from STARTREE database: modify and reduce
- Special effort in non STARTREE countries
- Geographical / product group analysis

> **Gaps in available models & tools for NWFPs management: species, products and regions**

Subtask 2.1. Reviewing NWFPs data and models

How to disseminate this??

Subtask 2.2. Reviewing NWFP modelling data and methodology

Review modelling data, strategies and approaches

- Data base on existing permanent experimental trials (not only plots) for NWFP modelling (and even other scientific issues): a review

- Define groups of products that can use the same modelling methodology

- Required data for modelling? Data challenges – limitations

GAPS in experimental data
Recommendations & guidelines for modelling NWFPs

Subtask 2.2. Reviewing NWFP modelling data and methodology

Krakow meeting

- Through a few presentations of existing trials, to design a template / questionnaire

- Analyze balance on geographical / working group distributution

How to disseminate this? How to fill this?

- **Group of products/ product**
- **Location / country**
- **Permanent trial**
- **Species**
- **Objective of the trial**
- **Experimental design**
- **Starting year and period of observation**
- **Institution in charge**
- **Contact person**
- **Web information about the trial**
- **Related literature**

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Subtask 2.3. Identifying data and model needs

2.3.1. Synthesis "policy" document identifying gaps in knowledge and focusing on recommendations about:

- Data acquisition and within-Europe harmonization
- Required datasets /statistics on NWFP
- Demanded efforts in modelling NWFP: products and regions

2.3.2. Synthesis "technical" document identifying gaps in knowledge and focusing on recommendations about:

- Techniques and protocols for data collection for NWFP management
- Protocols for experimental trials
- Modelling strategies / techniques for NWPF
- Required tools for NWFP management

TO BE CARRIED DURING THE ACTION

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Other TF2 topics

TRAINING SCHOOL ON MODELLING NWFP:
- THEORETICAL BASIS
- APPLIED METHODS
- Case studies on modelling NWFP
- Based on existing masters: UVa, EFIMED (30 hours)

- **STSM: <u>open</u> or TF proposed?**

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Next steps

- Final structure of the questionnaires 2.1.1 (30th april).; 2.1.2 (31st may) and 2.2 (fall season)
- Disseminate our questionnaires in a specific Task Force survey
- Some preliminary analysis and result on 2.1.1 and 2.1.2. should be presented in the meeting at Zagreb

Thank you!