



Forests, their Products and Services (FPS)

Participating countries

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International Bodies: EFIMED, FAO Silva Mediterranea, IUFRO, MAICH

Contact details

Chair of the Action

Fulvio Ducci,
Senior Research Officer,
Council for Research and Experimentation
on Agriculture, Forestry Research Centre -
CRA SEL,
Italy
fulvio.ducci@entecra.it

Science Officer

Science Officer Forests, their Products and
Services
COST Office
mela.langbein@cost.eu

COST Action no. FP1202

Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest trees to climate change in Europe (MaP-FGR)

2012 | 2016

Objectives

1. Compiling information on climate change impacts on MaP populations,;
2. making information available for preparing national and pan-European forest plans and strategies for adaptation and mitigation;
3. developing criteria for monitoring and conserving FGR,
4. sharing results with forest managers.

Task 1 – Scientific and technical information on ecological conditions including climate change impacts on MaP populations at the limits of species ranges.

Task 2 - Genetic information including adaptive traits of MaP populations at the limits of species ranges.

Task 3 - Analysis and synthesis of available ecological and genetic information and knowledge gaps highlighted in Task 1 and Task 2 and recommendations for forest managers and for policy makers.

Task 4. Coordination and organization of all networking, databases management, training and communication activities: web-site, organization of conferences, training schools, short term scientific missions.

Main Achievements

- Kick-off Meeting 8 Nov. 2012, Brussels;
- First Plenary Meeting (MC and WGs) 22 – 25 Jan. 2013, Rome FAO, joint with the II SOW FGR (Survey of World Forest Genetic Resources) Session.
- Established WGs composition and started activities ;
- MC Meeting: established title and rules for Training school and STSMs.

Working Group 1 (Coord. Julian Gonzalo, INIA, Spain)

Title: **Gathering of already available data and compilation of ecological, genetic and global change information, and particularly climate effects, on FGR and distribution of MaP populations** (e.g. climatic scenarios and models, forest decline maps, lists of endangered materials). WG1 include climatologists, bio-climatologists, soil scientists, ecologists and geneticists.

Working Group 2 (Coord. Giovanni Giuseppe Vendramin, CNR IGV, Italy)

Title: **Evaluation and analysis of WG1 information** (e.g. genetic diversity maps per species/populations, methodology for evaluation of FGR diversity, compilation of databases of relevant institutions, genetic material, trials and networks, gaps of information). Standardization of methods. Meta-analysis of the data to identify common and divergent trends of FGR response to global change. WG2 will include ecologists, geneticists and silviculturists.

Working Group 3 (Coord. Bruno Fady, INRA, France)

Title: **Mainstreaming genetic diversity into sustainable forest management in the context of global change, considering both conservation and use of FGR.**

WG3 will include breeders, geneticists, ecologists, silviculturists, forest managers and policy makers.

Working Group 4 (Coord. Christophe Besacier, FAO Rome, France)

Title: **Coordination and organization of all networking, databases management, training and communication activities: conferences, workshops, training schools, web toolbox, open access databases, reports, publications, STSMs.**

WG4 will provide the integrative approach of the Action.



Mediterranean Firs MaP Population



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