



Food and Agriculture  
Organization of the  
United Nations



# 2<sup>nd</sup> meeting of the contributors to the 2<sup>nd</sup> <sup>Mediterranean</sup> edition of the State of Mediterranean Forests

15 December 2016

# Objectives of the meeting

1. Validate the terms of reference of the chapters
2. Agree on the responsibilities of the chapter coordinators
3. Identify chapter coordinators
4. Agree on the establishment of a scientific committee
5. Next steps

# Quick facts

- A balance between North and South in terms of examples but also in terms of authorship will be sought
- The 2<sup>nd</sup> edition is expected to be 180 pages in length, i.e. about 10-15 pages per chapter
- Each chapter will precise the list of authors.
- Two versions in English and French will be prepared.
- Copyright will be shared between FAO and Plan Bleu, based on a co-publishing agreement
- Based on voluntary contributions



# Preface

To be made by FAO Forest Department ADG and Plan Bleu Director



# General introduction

How the socio-economic context has evolved since the last SoMF, etc.

# Part 1: The Mediterranean landscape: importance and threats

## *Chapter 1 – Introduction. Contribution of Mediterranean forests to the global agenda*

- This chapter will introduce the role that forests in general, and Mediterranean forests in particular, can play in contributing to reach the goals of international commitments: SDG 13 on climate, SDG 15 on forest management, desertification and degradation, UNFCCC, CBD Aichi targets, UNCCD zero net land degradation, etc. The chapter will present an overview of the role of the forest sector in the Nationally Determined Contributions of the Mediterranean countries. National commitments on forest restoration could also be presented. The chapter will also draw the attention on the specificity of the Mediterranean region that is at the same a climate change hotspot, an ecoregion that is more vulnerable than others to climate change, and whose ecosystems present a great potential for adaptation.
- Keywords: SDGs, UNFCCC, CBD, UNCCD, NDCs, climate change hotspot, vulnerability hotspot.

## *Chapter 2 – Importance of Mediterranean forests*

- This chapter will focus on forests where they are the predominant element of the landscape and will present updated statistics on forest cover, biodiversity, forest carbon, forest land use and land use change in the Mediterranean, based on recent data available for the Mediterranean (FRA2015 whenever significantly different from FRA2010, FAO Global Dryland Assessment, etc.). This chapter will also address the questions of definition of the Mediterranean ecoregion (using which limits? Using a geographic and/or a bioclimatic approach?) and of the Mediterranean forest type. This chapter will also raise the issue of reporting on Mediterranean forests within countries that are only partly Mediterranean, thus requiring to disaggregate national data to the ecoregion level (a focus can be made on some countries – e.g. Italy, France – where data from the National Forest Inventory are available).
- Keywords: forest cover, land use, carbon, Mediterranean ecoregion, Mediterranean forest type.

## Chapter 3. Forests and trees outside forest (urban forest, agroforestry, etc.)

- This chapter will present the importance of trees in the Mediterranean landscapes even when outside forests (*sensu* FAO definition or IPCC land-use category), i.e. when tree is not the main element of the landscape and depends on its interaction with other human activities. Traditional Mediterranean agroforestry system combining low-density trees and agricultural or pastoral activities (like *dehesa* in Spain, *montado* in Portugal, olive and argan systems in Morocco, etc.) will be presented: importance, diversity of systems, management, history, recent changes, etc. Urban and peri-urban forests will also be presented in this chapter: importance for the resilience of cities and for human well-being, key examples of green infrastructure and urban forests in the Mediterranean, UPF for protection of natural resources, provision of ecosystems services, etc.
- Keywords: agroforestry system, silvopastoralism, urban and peri-urban forestry, green infrastructure.



## *Chapter 4. Drivers of degradation and threats*

- This chapter will present the different threats on the Mediterranean forest landscapes by structuring them according to indirect (global changes: climate change, social change, demographic change...) and direct threats (as follows from the former at a local scale: emergence of pests and diseases, dieback, forest fires, overgrazing, unsustainable fuelwood collection, conversion to agriculture, urbanization, land abandonment, genetic erosion...). A distinction will be made between deforestation and degradation, and between agents and factors. The analysis should highlight the geographical heterogeneity of the drivers and threats, with different prevailing processes in the North (land abandonment, forest fires, etc.) and in the South/East Mediterranean (overgrazing, overexploitation of fuelwood, etc.). Consequences of forest degradation will also be addressed in this chapter (soil erosion, water quality degradation, biodiversity loss, loss of forest functionality, etc.)
- Keywords: vulnerability, forest fires, pests and diseases, dieback, overgrazing, unsustainable management, land abandonment, urbanization, genetic erosion, biodiversity loss.

# Part 2: Forest-based solutions: social challenges linked to forest practices

## *Chapter 5 – Introduction. Human needs, water and food shelter security*

- This chapter will present how Mediterranean forests play a social role in addressing human needs. The chapter will present the connections between Mediterranean forests and agriculture, and the role that forests play for food security. Other social roles that Mediterranean forests can play include job provision (particularly for young people), people's wellbeing (including green care), and the integration of minorities (e.g. migrants) in the society.
- Keywords: forest and food security, forest and water, social integration.

## *Chapter 6. Restoration*

- This chapter will present the role that Mediterranean forests can play in forest and landscape restoration to address regional or global commitments related to restoration or reduction of land degradation (Bonn Challenge, Aichi target 15, SDG 15.3, etc.) The state of the art in restoration in the Mediterranean will be presented to define the current baseline on restoration in the region. Success stories on restoration in the Mediterranean, and future restoration opportunities (including forest genetic resources) in the Mediterranean will be presented. Cost-benefit of restoration in the Mediterranean, monitoring of restoration and impact assessment will be addressed as well.
- Keywords: restoration baseline, ecological restoration, restoration opportunity, restoration cost-benefit.

## *Chapter 7. Adaptation and mitigation*

- This chapter will present the potential of Mediterranean for mitigation and adaptation to climate change. Mitigation will include the potential of Mediterranean for the REDD+ and NAMA mechanisms (including cost-benefit analyses). Adaptation will include the management of forest genetic resources (including seed banks) and of forest reproductive material, the maintenance of forest health and vitality to reduce vulnerability, the improvement of fire prevention, suppression and control (e.g. by promoting fire-resistant species like *Quercus faginea*), and the adjustment of forest management practices.
- Keywords: adaptation, mitigation, REDD+, forest genetic resources, fire control.

## *Chapter 8. Biodiversity conservation/protected areas*

- This chapter will show the diversity of biota associated to the Mediterranean forests, their knowledge, conservation status and current conservation actions. Direct threats (presented in chapter 4) affecting different taxonomic groups will be ranked and discussed from the taxonomic groups perspective. The level of representativeness of forest ecosystems in protected areas and Key Biodiversity Areas and examples of conservation programmes (active protection of species, reinforcement and reintroduction of populations, models of sustainable forest management) will be presented.
- Keywords: management of emblematic areas, protection, conservation, biodiversity-functionality relationship.

# Part 3: Enabling environment to scale up solutions

## *Chapter 9 – Introduction. Contribution of Mediterranean forests to the green economy*

- This chapter will show how Mediterranean forests can contribute to the green economy to solve the paradox that they are a valuable green infrastructure whose value remains unrecognized by our societies. The development of value chains on wood, non-wood forest products and agroforestry will be addressed in this chapter. Innovation in forest-based green economy and emerging markets like bioenergy, biomaterial or ecotourism (including ecoparks) will also be addressed in this chapter, presenting data and study cases.
- Keywords: forest and employment, green economy, value chain, bioenergy, biomaterial, ecotourism, green job.

## *Chapter 10. Good governance: policies, other actors*

- This chapter will address rural rights, land tenure, legal framework, forest policies and governance related to the forest sector in the Mediterranean countries. The chapter will include a comparison of forest legislations (regarding protected areas, fire, forest reproductive material, etc.) and a review of international agreements on forests for the Mediterranean.
- Keywords: governance, rural rights, land tenure, forest policies

# *Chapter 11. Local and participatory approaches*

- This chapter will present local and participatory approaches to forest management in the Mediterranean to include local populations as active managers of the forest. An overview of the region regarding multi-stakeholder and multi-sector governance will be presented, including the issues to be addressed regarding shared visions of rural territorial development. Outlooks regarding possible co-management of Mediterranean forests will be presented.
- Keywords: participatory management, multi-stakeholder governance, co-management



## *Chapter 12. Ecosystem services*

- This chapter will present the different goods and services provided by Mediterranean forests, structuring them according to provisioning, regulating, cultural, and supporting services. It will also present an assessment of the economic value of these goods and services, and discuss the different possible options for valorizing these goods and services. The chapter will also deal with the ecosystem disservices that can be brought by Mediterranean forest ecosystems.
- Keywords: provisioning services, regulating services, cultural services, forest and culture, supporting services, economic value, disservices

## *Chapter 13. Financial incentives and tools*

- This chapter will present the different financial options for valorizing the Mediterranean forests, addressing both the mechanisms (e.g., in relation to the carbon finance, the REDD+ or NAMA mechanism, or Payments for Ecosystem Services) and the funds at the international (e.g. Green Climate Fund, Land Degradation Neutrality Fund) and national (e.g. National Forest Fund) levels. Outlooks from private funding (e.g. in the context of restoration or of reforestation) will also be presented. A review of financial mobilization for the forest sector in the Mediterranean could be presented, as well as prospects on innovative or emerging financial options.
- Keywords: financial mechanisms, payment for ecosystem services, carbon finance, restoration finance, funds

A low-angle photograph of a large tree with a thick trunk and dense green foliage against a bright sky. The tree's trunk is dark and textured, branching out into a thick canopy of bright green leaves. The background is a bright, slightly overexposed sky, creating a high-contrast scene. The overall mood is natural and serene.

## *Conclusions*

# *Responsibilities of the chapter coordinators*

1. Identify the authors (do not forget gender and geographical balance)
2. Draw the outline of the chapter with the authors
  - Deadline for detailed plan of the chapter + list of authors contacted/accepted : 30 January 2017
3. Assist the writing of the chapter by the authors
4. Ensure that the guidelines for the authors are respected
  - Language is English or French with a minimum level of fluency
  - Layout, references, etc.
  - Quality of graphs and figures
5. Liaise with FAO and Plan Bleu

# Identification of chapter coordinators

Chapter	Chapter coordinator	Chapter author
General introduction	Plan Bleu	
<b>Part 1: The Mediterranean landscape: importance and threats</b>		
Chapter 1 – Introduction. Contribution of Mediterranean forests to the global agenda	Ismail Belen	FAO (FLRM + Silva Med), Fulvio Ducci
Chapter 2. Importance of Mediterranean forests		FAO (Silva Med)
Chapter 3. Forests and trees outside forest (urban forest, agroforestry, etc.)		Fabio Salbitano, FAO UPF, Fulvio Ducci, Christine Farcy
Chapter 4. Drivers of degradation and threats		FAO (FLRM + drylands + Silva Med), Ludwig Liagre, Elsa Enriquez
<b>Part 2: Forest-based solutions: social challenges linked to forest practices</b>		
Chapter 5 – Introduction. Human needs, water and food shelter security		
Chapter 6. Restoration	FLRM	Fulvio Ducci
Chapter 7. Adaptation and mitigation		FAO (FLRM), Fulvio Ducci
Chapter 8. Biodiversity conservation/protected areas		
<b>Part 3: Enabling environment to scale up solutions</b>		
Chapter 9 – Introduction. Contribution of Mediterranean forests to the green economy	EFIMED	Sven Mutke, Nicolas Robert
Chapter 10. Good governance: policies, other actors	Ismail Belen	AIFM
Chapter 11. Local and participatory approaches	Plan Bleu	Diego Florian, Nicolas Robert
Chapter 12. Ecosystem services	Plan Bleu	Nicolas Robert
Chapter 13. Financial incentives and tools		FAO (FLRM), Ludwig Liagre, Diego Florian

## *Scientific committee*

- Senior forestry experts
- In charge of reviewing the whole publication
- To be involved from the beginning

## *Next steps*

- 30 January 2017: list of authors and detailed plan of the chapters
- Start of writing
- End of February: new meeting
- 20 March 2017: presentation of the outline of the new edition of the SoMF at the 5th Mediterranean Forest Week – Focus on some chapters possible