



# III SFM MFW

The Mediterranean forests at the service of sustainable development of landscapes: mitigation and adaptation strategies to cope with global changes?

SEMAINE FORESTIÈRE MÉDITERRANÉENNE

MEDITERRANEAN FOREST WEEK



# III MEDITERRANEAN FOREST WEEK

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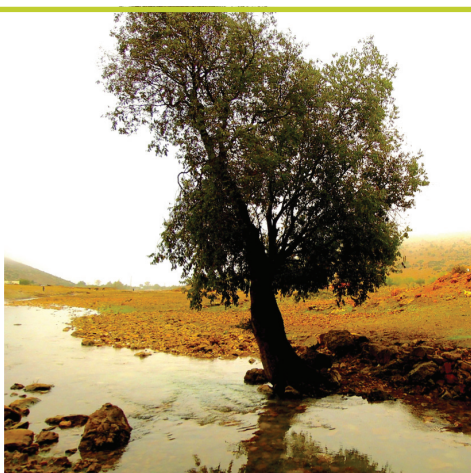
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### Organizing Committee

- Algerian Authorities
- AIFM - Mr. Chaudron
- CESEFOR / MMFN - Ms. Ualbuena
- CIHEAM - Mr. Plaza
- CTFC - Mr. Solano
- EFIMED - Mr. Mavsar
- FAO/Silva Mediterranea - Mr. Besacier
- GIZ - Mr. Kastl
- Ministry Agriculture France - Ms. Rivoal
- Ministry Agriculture Tunisia - Mr. Mokthar
- Turkey - Mr. Belen
- Plan Bleu - Ms. Briens





# BACKGROUND



Forest natural resources are an integral part of Mediterranean landscapes. They are source of energy, food, goods and multiple other services. Global changes (societies and life evolutions, climate change) affecting the Mediterranean region have strong impacts on these ecosystems (degradation, biodiversity loss, increase of fire risks and desertification).

To cope with these emerging challenges:

- 1. National, regional and local politic and administrative authorities, as managers of forest lands and civil society must adapt their strategies and governance methods to sustainable development of landscapes
  2. The managers of forest lands must develop and adapt their practices, which should be promoted and disseminated.

After the success of the two first Mediterranean Forest Weeks, in 2010 in Antalya (Turkey) and in 2011 in Avignon (France), the Algerian Authorities welcome this third edition in Tlemcen, on the following theme. The Mediterranean forests at the service of sustainable development of landscapes: mitigation and adaptation strategies to cope with global changes.

This event is organized with the support of the Algerian government, FAO, the French Ministry of Agriculture, the Committee on Mediterranean Forestry Questions-Silva Mediterranea and its Turkish presidency, the German International Cooperation (GIZ) Plan Bleu, the Mediterranean Model Forests Network (MMFN), the Mediterranean office of the European Forest Institute (EFIMED), the International Association for Mediterranean Forests (AIFM), the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM) and the Forest Technology Centre of Catalonia (CTFC).

Objectives of the III MFW:

1. Strengthen exchanges and synergies between stakeholders involved in the integrated management of Mediterranean woodlands;
2. Launch the State of Mediterranean Forests (SoMF);
3. Present and discuss the Strategic Framework on Mediterranean Forests (SFMF): policy orientations for integrated management of forest ecosystems in Mediterranean landscapes;
4. Present and discuss a roadmap on Innovative Mechanisms for Funding (IMF);
5. Adopt the Declaration of Tlemcen incorporating key elements of the SFMF and key findings of the Third Mediterranean Forest Week (III MFW);
6. Exchange with main potential users of goods and services provided by the forest sector (agriculture, water, energy, environment, tourism, etc.) in order to incorporate their expectations and actions in the strategic orientations of the forest sector in the Mediterranean;
7. Prepare a presentation with key findings of the III MFW for the United Nations Forum on Forests (UNFF 10) to be held in Istanbul (Turkey) from April 9 to 18, 2013.

# AGENDA

SUNDAY 17	MONDAY 18	TUESDAY 19	WEDNESDAY 20	THURSDAY 21
<p>9:00-10:45</p> <p>Opening session (60')</p> <p>State of Mediterranean Forests Presentation (45')</p>	<p>Session 1</p> <p>Contribution of Mediterranean Forests to sustainable development of rural areas</p>	<p>Session 3</p> <p>Vulnerability and resilience of forest ecosystems to climate change: impacts, degradation and desertification</p>	<p>Field trip in the National Park of Tiemcen:</p> <p>Alleppe Pine Forests</p> <p>Cork Oak forest of Haïr and Zarîfet</p> <p>Hunting reserve</p>	<p>High level segment under the presidency of the Algerian Minister of Agriculture and Rural Development</p> <p>Presentation of the video on Mediterranean Forests</p> <p>Round table on SFMF and Tiemcen Declaration</p> <p>Press Conference</p> <p>Tree plantation on the occasion of the First International Day of Forests</p>
<p>Coffee break</p>				
<p>11:15-13:00</p> <p>Session 0</p> <p>Presentation of the Strategic Framework on Mediterranean Forests</p>	<p>Session 2</p> <p>Goods and services provided by Mediterranean woodlands</p>	<p>Session 4</p> <p>Adaptation of Mediterranean landscapes at different scales to face global changes</p>		
<p>Lunch</p>				
<p>14:30-16:00</p> <p>Session 0</p> <p>Round table on the Strategic Framework on Mediterranean Forests</p>	<p>Session 2</p> <p>Goods and services provided by Mediterranean woodlands</p>	<p>Session 4</p> <p>Adaptation of Mediterranean landscapes at different scales to face global changes</p>		
<p>Coffee break</p>				
<p>16:30-18:00</p> <p>Session 1</p> <p>Contribution of Mediterranean Forests to sustainable development of rural areas</p>	<p>Session 2</p> <p>Goods and services provided by Mediterranean woodlands</p>	<p>Session 5</p> <p>Conclusions and main orientations of the III MFU</p>		

## SESSION 0 - Strategic Framework on Mediterranean Forests

### BACKGROUND

The Mediterranean woodlands provide many goods and services essential to the well-being of people and contributing to local economy. Increasing pressure of human activities and climate change threaten forest ecosystems of damage or destruction, reducing their ability to provide goods and services and thereby affecting the lives of local people. In many cases, unsustainable exploitation of these goods and services, and sometimes the conversion to other uses are the major causes of degradation or loss of these ecosystems.

National and regional forest policies should be revised, completed adapted and implemented in order to cope with all these changes and ensure that Mediterranean forests will maintain their quality and continue providing ecological and socio-economic goods and services contributing to rural development. As forests provide essential contributions to rural development, such policies should be closely coordinated with rural development strategies. Improving governance forest policy implementation appears crucial, and implies to work at landscape level in order to reinforce the participation of all stakeholders.

Critical aspects in this process are the active involvement of all stakeholders at territorial level (local governance) and the continued support of training, research, innovation and communication, along with a stronger collaboration between all economic sectors. Renewed policy orientations for the management of Mediterranean forests are needed. The Strategic Framework on Mediterranean Forests, prepared in 2012 on the basis of key findings of the State of Mediterranean Forests, recommends nine strategic lines under the umbrella of three main objectives:

Objectives	Strategic lines of Strategic Framework on Mediterranean Forests
Developing and promoting forest goods and services	Improve sustainable production of goods and services by Mediterranean forests
	Enhance the role of Mediterranean forests in rural development
	Promote forest governance and land tenure reform at a landscape level
Promoting resilience under global changes	Promote wildfire prevention in the context of global changes
	Manage Forest Genetic Resources and biodiversity to enhance adaptation of Mediterranean forest to climate change
	Restore degraded Mediterranean forests landscapes
Enhancing capacities and mobilizing resources	Develop knowledge, training and communication on Mediterranean forests
	Reinforce international cooperation
	Adapt existing financing schemes and develop innovative mechanisms to support implementation of forest policies and programmes



## SESSION 0 - Strategic Framework on Mediterranean Forests

The first part of the session on this Strategic Framework on Mediterranean Forests (SFMF) will present the current version of the SFMF with proposed policy orientations concerning its three main objectives and its nine strategic lines. A debate will be launched on this SFMF with the participants of the Third Mediterranean Forest Week.

The second part of the meeting on the Strategic Framework on Mediterranean Forests will be an opportunity to discuss how to implement this SFMF at several levels during a round table of high level experts who will discuss conditions/modalities of implementation of these strategic lines in the Mediterranean.

The session will be split into two parts:

Part 1: Presentation of the Strategic Framework on Mediterranean Forests (including the process of development and consultation made since September 2012) and discussion with the participants on the relevance of its main recommendations and strategic lines.

Objective 1: Participants of the III MFW are informed on main strategic lines proposed in the Strategic Framework on Mediterranean Forests and have an overview of objectives and strategic lines proposed in the SFMF.

Moderator: Ms. Christine FARCY

Rapporteur: Ms. Irina BUTTOUD

Part 2: High-level roundtable to discuss conditions/modalities of implementation of key strategic lines and recommendations of the Strategic Framework on Mediterranean Forests.

Objective 2: Participants of the III MFW discuss with high-level experts about conditions/modalities of implementation of key strategic lines and recommendations of the Strategic Framework on Mediterranean Forests.

Moderator: Mr. Abderrahim HOUMY

High Level Roundtable: Mr. Denis BOGLIO (ArcMED CTFC); Mr. Moujahed ACHOURI (FAO RNE); ; Mr. Mohamed Seghir NOUAL (DGF Algeria); Mr. Ismail BELEN (President of the Committee on Mediterranean Forestry Questions-*Silva Mediterranea*); Ms. Dominique LEGROS (Plan Bleu) and Ms. Christine FARCY (University of Leuven).

Rapporteur: Mr. Placido PLAZA



Schedule	Contents	Speakers	Expected results
Part 1: Presentation of the Strategic Framework on Mediterranean Forests			
11.15-11.30	Introduction of the session (15')	Ms. Farcy	Presentation of the context, objectives and program of the session on SFMF
11.30-12.00	Presentation of the SFMF (including the process of development and consultation started on September 2012)	Mr. Besacier	Participants have an overview of main strategic lines proposed in the SFMF
12.00-12.45	Debate with participants	Ms. Farcy	Participants provide comments on the SFMF
12.45-13.00	Summary of the discussion by the Rapporteur (15')	Ms. Buttoud	Summary of discussions on the SFMF
13.00-14.30	Lunch		
Part 2: High-level roundtable on conditions/modalities of implementation of the SFMF			
14.30-15.45	Roundtable: representatives of different types of actors involved in the implementation of the 9 strategic lines of the SFMF  Debate with participants	One speaker from main category of actors responsible for implementation of public policies (Forest Owners, Research, Administration and forest regional or international institutions)	Exchange on conditions/modalities of implementation concerning the strategic lines of the SFMF
15.45-16.00	Summary of discussions by the Rapporteur	Mr. Plaza	
16.00-16.30	Coffee Break		





## SESSION 1 - Contribution of Mediterranean Forests to sustainable development of rural areas



### BACKGROUND

Because of their multifunctionality, Mediterranean forests should be managed through an integrated approach. Moreover, to encourage the resilience of forest systems to climate change, it is important to develop forestry methods and allow a sustainable and balanced development of the Mediterranean region.

To ensure that these requirements will be met, projects at local level have already developed new practices with convincing results. It is time to capitalize and share these experiences through development of synergies in Mediterranean landscapes. In this context, many initiatives have been developed for promoting exchanges among Mediterranean regions with a territorial and sectorial approach of forestry management.

The Third Mediterranean Forest Week is a great opportunity to share these good practices (methods and tools for planning and management, networks, pilots sites, etc.) with field stakeholders and policymakers. This forum will be an opportunity for all stakeholders, whose activities are directly or indirectly linked to management and protection of Mediterranean forests, to express their point of view.

**Objective:** Promote a territorial and intersectorial approach for forest management and improve forest governance initiatives.

**Specific objectives:**

1. Exchange on territorial experiences of participatory management of Mediterranean forest ecosystems;
2. Exchange on contribution of Mediterranean forest to sustainable development of rural areas;
3. Identify recommendations, in the context of climate change, to be promoted and disseminated in Mediterranean landscapes;
4. Facilitate implementation of national strategies and policies to contribute in sustainable development of rural areas.

**Moderator:** Mr. Belarouci LATREUCH (University of Tlemcen)

**Rapporteur:** Mr. Pierre DERIOZ (University of Avignon) and Mr. Alain CHAUDRON (AIFM)

"Trees are poems that the earth writes upon the sky" - Kahlil Gibran







Schedule	Contents	Speakers	Expected results
Part 1: 17/03/13 - from 16.30 to 18.00			
16.30-16.45	Introduction of session 1 (15')	Mr. Latreuch	Presentation of the context, objectives and program of session 1
16.45-17.15	Lessons on territorial experiences of management of Mediterranean forest ecosystems. Case Study in Algeria (Wilaya of Khenchela, Aures), and Lebanon (Barouk Cedar forests, Maaser el Shouf)	M. Lalem Zighem et M. Nizar Hani	Synthetic presentation of experiences in different Mediterranean landscapes
17.15- 17.45	Debate with participants	Mr. Latreuch	Exchange and discussions on good practices with participants
17.45- 18.00	Conclusions of rapporteurs	Mr. Derioz and Mr. Chaudron	Presentation of key messages and lessons for policymakers in the Mediterranean region
Part 2: 18/03/13 – from 9.00 to 10.45			
9.00-9.45	Lessons on territorial experiences of management of Mediterranean forest ecosystems. Case Study in France (wood valorization, Luberon), Spain (Urbión, Castilla Leon, mushrooms traceability) and Turkey (Pine honey, Mugla region)	Mr. Martinez, Mr. Segur and Mr. Yilmaz	Synthetic presentation of experiences in different Mediterranean landscapes
9.45 – 10.30	Debate with participants	Mr. Latreuch	Exchange and discussions on good practices with participants
10.30 – 10.45	Conclusions of rapporteurs	Mr. Derioz and Mr. Chaudron	Presentation of key messages and lessons for policymakers in the Mediterranean region



## SESSION 2 - Maintain and enhance goods and services provided by Mediterranean woodlands: what innovative mechanisms/instruments?

### BACKGROUND

Mediterranean woodlands provide many goods and services which are essential to the well-being of people and contribute to the local economy. Growing pressure from human activities and climate change threaten forest ecosystems with degradation or destruction, reducing their ability to provide these goods and services and thereby affecting the life of local populations. In many cases, the unsustainable use of these goods and services, and sometimes the conversion of woodlands to other land uses, is precisely the major cause of the degradation or disappearance of these ecosystems.

It seems necessary that the value of ecosystem services - and their vulnerability - is better understood and recognized by all stakeholders, especially policy makers, so that management orientations and resource allocation choices directed at greater durability.

Assessing the value of ecosystem goods and services - even if it is not always monetized or even quantified - can help increase this recognition and enlighten decision-making by:

1. improving the understanding of issues related to these goods and services (including transfers of costs and benefits among stakeholders),
2. raising awareness of the multiple stakeholders about the economic importance of these services and opening dialogue processes with them, thus facilitating the integration of sectoral policies,
3. integrating the value of these services in socio-economic assessments and macroeconomic indicators to inform policy choices and trade-offs,
4. in some cases, even if it is not a prerequisite, justifying and sometimes calibrating the design and implementation of economic instruments for public policies.

The first part of session 2 will explore issues of valuation of goods and services, based on existing work, and will enable to share lessons and messages and to open the debate between the forest sector and other actors benefiting from forest goods and services and/or impacting their supply.

Sustainable management of woodlands in view of ensuring and improving the supply of goods and services also requires dedicated resources. In order to fund the efforts of managing, protecting or restoring woodlands, innovative instruments are developed and tested, at national or more local scale. The second part of session 2 will be an opportunity to present and debate around some innovative instruments, already into practice or under study, and the conditions for their implementation in the Mediterranean.

The session will consist of two parts, with the following focuses and specific objectives:

Part 1: The contribution of Mediterranean woodlands to the economy and populations' well-being.

**Objective 1:** Participants in the III MFW realize the extent of the economic and social value of goods and services provided by Mediterranean woodland ecosystems, and the distribution of related costs and benefits. They have ad hoc data to communicate effectively on these issues.



**Part 2:** Innovative mechanisms/instruments to help maintain and improve the supply of goods and services by Mediterranean woodlands.

**Objective 2:** Participants in the III MFW become aware of innovative solutions to help maintain and improve the supply of goods and services by Mediterranean woodlands, and understand the key issues for their implementation.

**Moderator:** Mr. Gérard BUTTOUD

**Rapporteurs:** Mr. Hamed DALY-HASSEN (part 1) and Mr. Robert MAUSAR (part 2)

Schedule	Contents	Speakers	Expected results
Part 1: The contribution of Mediterranean woodlands to the economy and populations' well-being			
11.15-11.30	Introduction of session 2 (15')	Mr. Buttoud	Presentation of the context, objectives and program of the session
11.30-11.45	Contribution of forests in the MENA region to a green economy (15')	Mr. Liagre	Synthetic presentation of messages for policy makers
11.45-12.00	Synthesis of the achieved and ongoing work about the valuation of Forest Goods and Services (FGS) (mainly in the Mediterranean) conducted in the framework of the AFD / FFEM project (15 ')	Ms. Duclercq and Mr. Mausar	Presentation of key messages and lessons for policymakers of the region
12.00-13.00	Roundtable: representatives of different sectors benefiting from forest goods and services (tourism, agriculture, water, etc.).  Debate with participants (60')	Ms. Haddad (Ministry of Tourism, Lebanon) Ms. Khamassi (Ministry of Tourism, Tunisia) Mr. Guessous (Ministry of Economy and General Affairs, Morocco) Ms. Chenouf (TBC) (Ministry of Environment, Algeria) Mr. Türker (TBC) (Ministry of Food, Agriculture and Livestock, Algeria)	Exchange on benefits of forest goods and services and their recognition
13.00-14.30	Lunch		





## SESSION 2 - Maintain and enhance goods and services provided by Mediterranean woodlands: what innovative mechanisms/instruments?



Schedule	Contents	Speakers	Expected results
Part 2: Innovative mechanisms/instruments to help maintain and improve the supply of goods and services by Mediterranean woodlands			
14.30-16.00	<p>1- Presentation of the different types of instruments to preserve or restore woodlands and to improve the supply of forest goods and services (15')</p> <p>2- Examples of innovative financing instruments for sustainable forest management</p> <p>i) Environmental fund for maintenance of woodlands, in partnership with the private sector ("Partnership for Moroccan Forests") (15')</p> <p>ii) Croatian "Green tax" (15')</p> <p>3- Prospects for REDD+/LULUCF</p> <p>i) GEF/UNDP project in Turkey (15')</p> <p>ii) Cost-Benefit analysis of the REDD+ mechanism for Morocco (15')</p> <p>4- Bioprospecting agreements (APA mechanism – perspectives for Algeria and MENA) (15')</p>	<p>Mr. Petenella</p> <p>Mr. Benchekroun (HCEFLCD, Morocco)</p> <p>Mr. Posavec (University of Zagreb)</p> <p>Mr. Özbagdatli (UNDP, Turkey)</p> <p>Mr. Hammoudi (HCEFLCD, Morocco)</p> <p>Mr. Boumezbeur, (DGF Algeria)</p>	<p>Presentation of innovative financing initiatives /instruments, the expected or observed results, and the conditions for their implementation</p>
16.00-16.30	Coffee Break		
16.30-17.30	Questions / answers between participants and the panel of speakers + Debate (60')		Clarification on these innovative initiatives/ mechanisms/ instruments and debate
17.30-18.00	Conclusions and proposal of recommendations by the rapporteurs for their possible integration into the SFMF	Mr. Daly-Hassen and Mr. Mavsar	Summary of the session and discussion of recommendations that could be incorporated into the SFMF





## SESSION 3 - Vulnerability and resilience of forest ecosystems to climate change: impacts, degradation and desertification

### BACKGROUND

Mediterranean woodlands provide many goods and services essential to the well-being of people and contributing to local economy. Increasing pressure from human activities and climate change threaten forest ecosystems of damage or destruction, reducing their ability to provide these goods and services and thereby affecting the lives of local people. In many cases, unsustainable exploitation of these goods and services, and sometimes conversion of woodland to another use, are the major causes of the deterioration or disappearance of these ecosystems.

Vulnerability of these ecosystems to climate change is extremely variable depending on what species are present in landscapes, on the expected intensity of climate change on the adaptive capacities of populations affected (plants and human being).

Genetic diversity of forest communities is particularly important as it mainly defines capacity of adaptation of these populations, sometimes marginal or at the range limit of tree species, to climate change.

On the basis of existing knowledge, what can we say today about the vulnerability of landscapes facing these global changes and what impact can we already notice in certain situations especially in populations at the range limit of main Mediterranean forest species?

Session 3 will give a brief overview of existing knowledge on the vulnerability of forest ecosystems to climate change, and also it will show the urgent need to develop strategies of adaptation of Mediterranean landscapes (object of Session 4) to cope with these changes. Some examples and ongoing projects on some marginal populations located at the edge of the range of certain Mediterranean tree species, areas where degradation and desertification are already visible will be illustrated in session 3.

Objective: Participants of the III MFW become aware on vulnerability of Mediterranean forested areas affected by climate change and on impacts of climate change already observed in some forest populations.

Moderator: Mr. Giuseppe SCARASCIA MUGNOZZA Professor University of Tuscia

Rapporteur: Mr. François LEFEURE Director of Research of INRA



## SESSION 3 - Vulnerability and resilience of forest ecosystems to climate change: impacts, degradation and desertification

Schedule	Contents	Speakers	Expected results
9.00-9.15	Introduction of session 3 (15')	Mr. Scarascia Mugnozza	Presentation of context, objectives and program of session 3
9.15-9.45	Climate change scenarios based on outcomes of project Circe	Ms. Sanna	Participants are informed about expected climate scenarios
9.45-10.15	Synthesis on the impacts of climate change on ecosystems in the Mediterranean	Mr. Centritto	Participants of the III MFW are aware of available knowledge on vulnerability of Mediterranean landscapes to climate change
10.15-10.30	Ongoing projects on the impacts of climate change on forest populations at the edge of their Biodiversity range and importance of genetic diversity of species	Mr. Besacier	Participants of the III MFW are informed about ongoing projects and impacts of climate change already visible in some marginal populations
10.30-10.45	Summary of discussions by rapporteur of the session 3	Mr. Lefèvre	Summary and keyfindings for decision makers
10.45-11.15	Coffee Break		

I tried to discover, in the rumor of forests and waves, words that other men could not hear, and I pricked up my ears to listen to the revelation of their harmony." - Gustave Flaubert



## SESSION 4 - Adaptation of Mediterranean landscapes at different scales to face global changes

### BACKGROUND

The Mediterranean is considered one of the most sensitive regions to climate change and global change. Region especially sensitive to higher temperatures, frequency and excess of climatic phenomena and also to the decrease of precipitation. The impact of these factors on ecosystems is already evident, if we consider migration of species to higher altitudes, extinction, declining of forest stands, increased risk of forest fires, torrential erosion, damage caused by parasitic infestations, desertification, etc. Despite their exceptional ability to adapt, forests are seriously threatened and a bad impact on economy and biodiversity is expected.

Due to their multifunctionality, Mediterranean forests should be managed with an integrated approach. In order to promote resilience of forest systems to climate change, it is especially important to develop forestry approaches and thus allow sustainable development and balance in the Mediterranean. To address these threats, three types of efforts should be combined: transfer new knowledge of scientists to professionals working in the field, improve information system and monitoring, increase cooperation between stakeholders and countries.

Projects at the local level have already developed new practices whose results are realistic. It is time now to capitalize and share these experiences through the development of synergies between Mediterranean landscapes. In this context, initiatives have been developed to promote exchanges in Mediterranean regions with a forest territorial and sectorial management approach.

**Objective:** Promote a territorial and intersectorial approach of forest management and improve forest governance initiatives in the context of climate change.

Session 4 has the following specific objectives:

1. Promote information systems on ecosystem changes;
2. Develop adapted silvicultural practices to protect biodiversity while maintaining the economic activities of local communities (e.g. by promoting mixed and irregular stands with locally adapted species, etc.);
3. Capitalize methods of restoration and reforestation of degraded landscapes;
4. Information, raise awareness and improve governance.

Moderator: Mr. Chadi MOHANNA (Ministry of Agriculture Lebanon)

Rapporteur: Ms. Patrizia TARTARINO (University of Bari) and Mr. Francisco REGO (AIFM)



## SESSION 4 - Adaptation of Mediterranean landscapes at different scales to face global changes

Schedule	Contents	Speakers	Expected results
Part 1: 19/03/13 – from 11.15 to 13.00			
11.15-11.30	Introduction of session 4 (15 ')	Mr. Mohanna	Presentation of the context, objectives and program of the session
11.30-12.15	Territorial experiences on woodland ecosystems management in the Mediterranean. Case Study of Portugal (Vale do Guadiana, ForclimAdapt project), and Algeria (Belezma Cedar Forest)	Mr. Rosario (Portugal) and Mr. Messaoudene (Algeria)	Identification of good forestry practices and their disclosure
12.15- 12.45	Debate with participants	Mr. Mohanna	Exchange and highlighting the results through experiences of participants
12.45-13.00	Conclusions of rapporteurs	Ms. Tartarino and Mr. Castro Rego	Presentation of key messages and lessons for policymakers in the Mediterranean
Part 1: 19/03/13 – from 14.30 to 16.00			
14.30-15.15	Territorial experiences on woodland ecosystems management in the Mediterranean. Case Study of Turkey, Tunisia and Morocco	Mr. Mokhtar (Tunisia), Mr. Tufekcioglu (Turkey) and Mr. Hammoudi (Morocco)	Synthetic presentation of experiences in different Mediterranean landscapes
15.15– 15.45	Debate with participants	Mr. Mohanna	Exchange and highlight of results through experiences of participants
15.45 – 16.00	Conclusions of rapporteurs	Ms. Tartarino and Mr. Castro Rego	Exchange and highlight of results through experiences of participants





## FIELD TRIP - Tlemcen National Park

20-03-2013

Organization: Algerian Authorities - Director of Tlemcen National Park

Three buses will be available for the field trip. A bus for each official language of the III MFW (Arabic, English and French). Every bus will take a different itinerary in order to avoid too many visitors at the same stop. Megaphones will be available on buses to facilitate explanations.

The field trip has the purpose to identify sites that better illustrate issues that will be discussed during the Third Mediterranean Forest Week (forests and impacts of global changes on population, provision of goods and services by forests, recreational areas and preservation of water supply in cities).

Three stops were selected for this field trip:

### First site: National forest close to Tlemcen National Park

Aleppo pine reforestation accomplished at the end of the nineteenth century. It is a suburban forest of 280 ha which serve as a recreational area for local population thought as an investment for tourism. It includes a 2 km walking trail. There is no forest exploitation. Trees are cut down only when dead or in case of danger to safety. Several objectives are followed in the current reforestation:

1. Protection of the city of Tlemcen against floods;
2. Addressing forest degradation due to aging of trees. Reforestation is done with holes not bigger than half a hectare not to affect landscape and to respect panorama;
3. Species used in reforestation are *quercus suber*, *quercus canariensis* (which regenerates naturally). Regarding the use of the forest, there is no ban on visitors, but all uses are regulated:
  - Places grazing are granted to residents;
  - Population has the right to walk through;
  - Population has the right to use water resources.

In the last decades, it was observed a decrease of low temperatures and an increase of semi-arid areas. The park has planned a management plan of five years and a development plan for forests which extend over 20 years. It started in 2005. This conversion is very long because the *quercus canariensis* is very difficult to produce in the nursery on site and the lack of water prevents the reforestation (long periods with no rainfall recorded recently), set up a watering system is expensive and difficult to manage.

### Second site: Cork Oak landscapes in Hafir and Zarifet

This stop in a settlement of cork oak where we can observe effects of climate change. 40 years ago, it was a typical sub-humid zone that became semi-arid today due to the decrease of rainfall in recent decades. A valuable cork forest is now present but natural regeneration of cork oak is no longer assured. Instead, *quercus canariensis* and other xerophytes species are gaining ground. Therefore, the natural regeneration of cork oak is difficult without human actions.





## FIELD TRIP - Tlemcen National Park 20-03-2013



### Third site: Hunting reserve

In order to protect the regeneration of the flora and fauna of the National Park, development programs are conducted for several endangered species (Mouffle, Gazelle, etc.).

The reserve is currently developing its second management plan (2010-2015).

During this stop the following issues will be illustrated: Conservation/preservation and/or management of biodiversity (plant and animal).

Practical information:

Departure: 8:30 a.m.

Arrival: 4:00 p.m.

Meeting point: In front of the main door of Tlemcen National Park

Equipment: In order to enjoy your field trip, it is advised to bring comfortable clothes and shoes

Temperature: The average temperature during March is usually between 10 and 19 C°.

Lunch: Bag lunches will be given to all participants after visiting the second stop (12:30)

For more info about the National Park of Tlemcen please visit the following website:

<http://www.pntlemcen.com/accueil.php>



"The clearest way into the Universe is through a forest wilderness" - John Muir





## PROFILES





Ms. Farcy has a PhD in Agricultural and Biological Engineering. She is teaching at the University of Leuven forest planning and forest policy.

She created and coordinate a interdisciplinary research group aiming to analyse forest issues through natural and social sciences.

Ms. Farcy is also the president of the high level evaluation panel for the working groups of the Committee on Mediterranean Forestry Questions- Silva Mediterranea.

Moderator Session 0



Irina Kouplevatskaya-Buttoud, PhD in forest policy, is acting as forestry officer (forest policies) at FAO headquarters in Rome since October 2009. She is backstopping projects and programmes in various emergent and developing countries, including the Mediterranean area.

From 1996 to 2004, she was deputy-leader of the Swiss Programme in support to Kyrgyz forest sector (for forest policy, research and education) and from 2005 to 2009, a researcher at AgroParisTech, Nancy, France, specialising in forest governance analysis. She has published 20 scientific and technical papers, and took part in the organising committee of 6 international conferences.

Rapporteur Session 0



Plácido Plaza is an Agricultural Engineer from the University of Louvain (Belgium) with an extensive experience in applied agronomy both in Latin America and in the Mediterranean.

Principal Administrator at the General Secretariat of CIHEAM, he has a long experience in coordinating research networks with universities, research bodies and institutions on Mediterranean Agricultural and Natural Resources-related issues. He has also managed EU-CIHEAM cooperation programs and coordinates CIHEAM educational and research activities.

Rapporteur Session 0







Rapporteur Session 1

Alain Chaudron, former general engineer of civil works, water and forests, is member of the board of the International Association for Mediterranean Forests (AIFM). This non-governmental organization representing the civil society facilitates exchanges between all people associated to Mediterranean natural areas and forests, linking them in a network.

Previously, Alain has acted for 7 years as the head of department of Bouches-du-Rhône at the National Forestry Board (ONF) in Aix-en-Provence. He worked for cooperation in Africa and was responsible for international forestry affairs at the Ministry of Agriculture in Paris where he has contributed mainly to the renewal of activities of Silva Mediterranea Committee and the birth of the Collaborative Partnership on Mediterranean Forests (CPMF).



Moderator Session 2

Gérard Buttoud, has acted since 2009 as a visiting professor (forest policy and governance) at the University of Tuscia, Viterbo, Italy. He was based before in Nancy, France, as a director of the Laboratory of Forest Economics (INRA) and 1998 to 2009 he was director of the Laboratory of Forest Policy (AgroParisTech).

His research and expertise mainly concern formulation and evaluation of policies, strategies and programmes at national level, especially in European and developing countries. He has conceived a "mixed model" for formulation and evaluation of forest policies and programmes, today widely spread out, and has taught in various forest universities and institutes. He has published more than 180 papers and 8 books on forest policy and economics.



Rapporteur Session 2

Robert Mausar is head of the Mediterranean Regional Office of the European Forest Institute (EFIMED) in Barcelona.

He has a degree in forestry and holds a PhD in economics, and has more than 10 years of research experience mainly related to environmental, forest and fire economics.

His main interest lays in the field of economic valuation of ecosystem services. He has been coordinating (e.g., STAR TREE, FORVALUE, MASIFF) and working (e.g., FIRE PARADOX, EXIOPOL, CREEA, NEWFOREX) in a number of EU funded projects.



Rapporteur Session 2

Dr. Hamed Daly-Hassen is currently Director of Research in Economics of Natural resources at INRAT (National Institute for Agricultural Research of Tunisia) in Tunis, and he is the focal point for EFIMED, Barcelona.

He has coordinated several national and European and international cooperation projects, and has worked in research programs related to forest economics, especially on forest valuation, forest evaluation, and marketing of forest products, for twenty years.

He has published about one hundred scientific papers in international and national refereed journals and in scientific books.



Moderator Session 3

Giuseppe Scarascia-Mugnozza graduated in Agricultural Sciences and Forest Sciences has a PhD in Forest Ecophysiology. Professor of Silviculture and Forest Eco-physiology at University of Tuscia, Viterbo, Italy, he has published more than 200 scientific papers and books. Former Director of the Institute of Agroenvironmental and Forest Biology of National Research Council of Italy (IBAF-CNR), is presently Head of Department of Agronomy, Forestry and Land Use of the Italian Research Council for Agriculture.

Coordinator of the European Large Infrastructure POP/EUROFACE and partner of several EU research projects, Chair of Scientific Council of the EU-Forest Technology Platform, Italian national delegate of ESF-COST Domain "Forests, their Products and Services" and member of the Board of the European Forest Institute (EFI) and of the Advisory Committee of EFIMED-Mediterranean Regional Office of EFI, in Barcelona.



Rapporteur Session 3

François Lefevre is a director of research. His research is targeted at issues of sustainable management of forest genetic resources and adaptation of forests to climate change. He has personal expertise in genetics and evolutionary biology and collaborates to investigate on the evolutionary processes of forest genetic resources. He is also involved in application of research activities, mainly at national level, as president of the national Commission on Forest Genetic Resources and at European level, as national coordinator and member of the steering committee of the European Programme on Forest Genetic Resources (EUFORGEN). Member of the Working Group on Forest Genetic Resources FAO Silva Mediterranea and of the scientific council of the Program Biodiversity, Forest Management & Public Policies of GIP-ECOFOR.





Moderator Session 4

Chadi Mohanna, graduated as an Agriculture engineer in 1993 from the Lebanese university, has a PhD from the Ecole Nationale Supérieure Agronomique de Rennes obtained in 1998. Director of the institute of Oceanography and Fisheries from 1998 to 2008, from 2008 till present he is the Director of the Rural Development and Natural Resources Directorate at the Ministry of Agriculture in Lebanon. This directorate is in charge of forestry, fisheries, pastures, irrigation and agroindustry.

Mr. Mohanna is also Professor at the Saint Joseph University of Lebanon. Team leader in charge of the National Forestry Program and the National Reforestation Program of Lebanon. He is also the national focal point for UNFF, FAO forest activities, the GIZ project and the FFEM project.



Rapporteur Session 4

Patrizia Tartarino graduated in Forest Sciences at the University of Bari (Italy), is Associate Professor of Forest Management and Restoration of forest vegetation in the same University.

In 2010, she was a visiting professor at the University of Provence Aix-Marseille. She is a corresponding member of the Italian Academy of Forest Sciences Florence, a member of the Italian Association of botany, the Italian Society of forest restoration (SIRF) and of the Vegetation Science (SISU). She is a member of the Board of the International Association for Mediterranean Forests (AIFM). She is vice-president of For.Rest.Med. s.r.l. (Forests Restoration Mediterranean), a spin-off of the University of Bari Aldo Moro.



Rapporteur Session 4

Francisco Castro Rego, professor in the Agronomy Institute, Technical University of Lisbon, with Degree in Forestry and PhD in Forestry and Wildlife and Range Management. Since 1990, Professor at ISA; Chair of Statistics; Landscape ecology, Fire Ecology. Since 1995, Coordinator of the Centre for Applied Ecology "Baeta Neves" of the Agronomy Institute. From 2005 to 2007, General Director of the General Directorate of the Forest Resources of the Agriculture Ministry. From 2003 to 2004 Vice President of the International Association of Mediterranean Forests. From 2001 to 2003 - National Coordinator of the Specialized National Commission of Forest Fires. From 2002 to 2004 Director of the European Forest Institute. From 1996 to 2000 Director of the National Forest Station. From 1999 to 2009 - National Coordinator of the COST Domain on Forestry and Forest Products.





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