

***FINAL REPORT***

**Kastamonu,  
Turkey,  
13 – 15  
September  
2011**

**EUROPEAN FORESTRY COMMISSION**

**Working Party on the  
Management of  
Mountain  
Watersheds**

**Twenty-eighth Session**

**EUROPEAN FORESTRY COMMISSION**

**WORKING PARTY ON THE  
MANAGEMENT OF MOUNTAIN WATERSHEDS**

**TWENTY-SEVENTH SESSION**

**Kastamonu, Turkey**

**13 – 15 September 2011**

**FINAL REPORT**

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
Rome, 2012**

## **INTRODUCTION**

1. The 28<sup>th</sup> Session of the Working Party was held in Kastamonu, Turkey, from 13 to 14 September 2011. The session was jointly organized by the General Directorate of Forestry of the Ministry of Forest and Water Affairs of Turkey, and FAO. The main topic under discussion at the seminar on the first day was “Forests for water, water for forests”. The theme of the national reports presented on the second day was “Institutional settings of forest and water management”. The agenda and the session programme are presented in ANNEX A and ANNEX B respectively.
2. On 15 September the hosts of the session organized a study tour. Itinerary and themes are presented in ANNEX B.
3. The session was attended by delegates, lecturers and observers from the following countries and international organizations: Austria, Azerbaijan, Czech Republic, Finland, France, Hungary, Iraq, Japan, Kyrgyzstan, Poland, Slovak Republic, Tajikistan, Turkey, Uzbekistan, FAO and IUFRO. It is worth noticing the high level of participation from Turkey, and the first historical attendance of observer countries from Central Asia. The FAO Regional Office for Europe and Central Asia and the Sub-Regional Office for Central Asia were also represented at the Session. The list of participants is presented in ANNEX C.

## **OPENING OF THE SESSION**

4. At the opening of the Twenty-eighth Session, welcoming words were delivered by Mr. Ahmet Sırrı Beşel, Regional Forestry Directorate of Kastamonu, Mr. Matej Schwarz, Chair of the EFC Working Party on the Management of Mountain Watersheds, Mr. Mustafa Kurtulmuşlu, Director General of the General Directorate of Forestry of Turkey, Mr. Norbert Winkler, FAO Regional Office for Europe and Central Asia, and Mr. Erdoğan Bektaş, Governor of Kastamonu. The speakers welcomed the participants on behalf of the local organizing committee and FAO and thanked colleagues involved in the preparations for the session. The main topics of the session and the key features of Turkish forests were introduced, with a special emphasis on their protective functions and their relationships with water. Finally, the speakers wished attendees an interesting and successful session.

5. Keynote addresses were delivered by Mr. Muhammet Saçma, President of the Chamber of Forest Engineers, Mr. İsmail Üzmez, Deputy Director General of the General Directorate of Forestry of Turkey, Mr. Seyit Aydin, Rector of Kastamonu University, and Mr. Gernot Fiebiger, IUFRO. The importance of forest governance and policy in Turkey for integrated watershed management and its effective planning, also in terms of socio-economic implications, was acknowledged. Other problems discussed were coastal salinization, desertification, freshwater availability and scarcity of potable water.

## **ADOPTION OF THE AGENDA**

11. The agenda was discussed and adopted. It is presented in ANNEX A.

## **REPORT ON INTER-SESSIONAL ACTIVITIES FOLLOWING THE 27<sup>TH</sup> SESSION**

12. Mr. Thomas Hofer, Secretary of the Working Party, welcomed the participants on behalf of FAO Headquarters and reported on the inter-sessional activities conducted by the

Working Party Secretariat and the Steering Committee during the period between the two sessions and in preparation for the 28<sup>th</sup> Session. Six areas of work were highlighted under this agenda item:

- **Secretariat and Steering Committee**
  - a. Follow up to the 27<sup>th</sup> Working Party Session and final report (En, Fr, Sp).
  - b. 35<sup>th</sup> EFC Session (Lisbon, April 2010): Session on Forests and Water organized by FAO and UNECE, METLA participated in the panel. Endorsement of the proposal to review the mandate of the Working Party.
  - c. Committee on Forestry (Rome, October 2010): Session on Forests and Water in the Context of Climate Change.
  - d. Steering Committee meeting of the Working Party (Rome, October 2010).
  - e. Launch of the review of the mandate and modus operandi of the Working Party (March 2011).
  - f. Forests and water press release for International Year of Forests (March 2011).
  - g. Participation in the joint meeting of the TC/EFC Bureaux (Geneva, May 2011).
  - h. Steering Committee meeting of the Working Party (Vienna, June 2011).
  - i. International conference on forests and water in drylands, organized by UNECE Water Convention, Swiss Government and FAO (Geneva, July 2011).
  - j. Reorganization of FAO's Forestry Department (July 2011).
  - k. Preparations for the 2<sup>nd</sup> WLF of ICL (Rome, October 2011): FAO participates in the Organizing Committee and the Scientific Committee and organizes a session on landslides, land use systems and food security.
  - l. Rio+20: FAO contributes to ensuring that mountain issues are on the agenda and in the reports of Rio+20 (with focus on green economy and governance).
- **Communication**
  - a. 7<sup>th</sup> Issue of the Working Party Newsletter.
  - b. Update of the web site.
- **Capacity building**
  - a. FAO-Turkey Partnership Programme: project on capacity building on watershed management for Central Asian countries.
  - b. Participation in IPROMO course 2011 on disaster risk management in mountains, organized in the context of the Mountain Partnership.
- **Publications**
  - a. “Why invest in sustainable mountain development?”
  - b. Synthesis document on forests and water-related events held from 2008 to 2011.
  - c. Contribution of a chapter for the EFIMED publication “Water for Forests and People in the Mediterranean - A Challenging Balance”.
  - d. Contribution to the publication “Highlands and Drylands” (FAO, Mountain Partnership Secretariat, UNCCD, SDC and CDE).
  - e. Introductory chapter for the Springer publication “Management of Mountain Watersheds”.

- f. Contribution of a case study on Pakistan for the publication “Mountain Forests in a Changing World” (FAO, Mountain Partnership Secretariat, UNCCD, SDC and CDE).
- **Tasks from United Nations General Assembly (UNGA)**
  - a. International Mountain Day 2010 – Indigenous issues in mountains;
  - b. International Mountain Day 2011 – Mountain forests (in line with International Year of Forests 2011).
  - c. United Nations Secretary General report on Sustainable Mountain Development to the 66<sup>th</sup> UNGA (July 2011).
- **Preparations for the 27<sup>th</sup> Session**
  - a. Session planning with Turkish hosts and Steering Committee.
  - b. Invitation to countries via national Heads of Forest Services (EFC members).
  - c. Follow up with countries.
  - d. Coordination with Turkish hosts.

13. Mr. Norbert Winkler, Forestry Officer, FAO Regional Office for Europe and Central Asia (REU), and Mr. Ekrem Yazici, Forestry Officer, FAO Sub-Regional Office for Central Asia (SEC), gave a presentation on FAO’s forestry priorities and activities in the region and on FAO’s assistance to countries with regard to forest-related issues. The presentation also provided an overview of the major ongoing forestry projects and recently conducted workshops.

## **SEMINAR: FORESTS FOR WATER, WATER FOR FORESTS**

14. Mr. İsmail Üzmez, Deputy Director General of the General Directorate of Forestry of Turkey, chaired the first part of the seminar on “Forests for water, water for forests”. Mr. Thomas Hofer set the stage with a presentation which highlighted the international momentum gained by forest and forest issues and provided an overview on forest and water interactions, in particular as regards water quantity, water quality and mitigation of natural hazards. Forest and water relationships in drylands and in the context of climate change were also illustrated.

15. Mr. Rüstem Kiriş, Head of Forest Management Division, General Directorate of Forestry of Turkey, gave a presentation entitled “Forest and Water Management in Planning”. Due to population growth and connected increased needs, water availability is more and more a concern in Turkey. Appropriate planning is required in order to ensure constant supply of high quality water for society. In particular, forest planning and management heavily impact on water quality and quantity. The management of Turkish forests is periodically planned by the General Directorate of Forestry under the Forest Management Plans. In recent years, forested areas with protective functions for water have been designated and managed according to specific plans. Also, relevant legislation has been developed.

16. Mr. Özden Görücü, from the Forestry Faculty of Kahramanmaraş Sütçü İmam University, gave a presentation entitled “The Sectoral Relationships and Tentative Evaluation Developments between Forests and Water in Turkey”. The presentation focused on weaknesses of natural resource management in Turkey. Forest ecosystems are vital to water resources, however they are often perceived as costless and inexhaustible sources of externalities. Ecosystem services provided by forests should be valued and paid for. Turkey

aims to implement schemes of payments for ecosystem services in line with the requirements of a green economy.

17. Mr. Mahmut Temiz, Head of the Soil Protection Department, General Directorate of Forestry, gave a presentation entitled “Integrated Watershed Rehabilitation Activities in Turkey”. The Anatolian Watersheds Rehabilitation Project (AWRP) started in 2005 and will be completed in 2012. Activities related to the component “Reduction of Agricultural Pollution in the Black Sea” are funded through a World Bank/GEF grant. The environmental objective of the project is to introduce farming practices which can reduce the amount of pollutants from agriculture into the watersheds draining into the Black Sea.

The project also aims to rehabilitate natural resources and decrease rural poverty in upper watersheds as well as to strengthen the cooperation among the actors involved in natural resource management.

18. Mr. Özden Görücü chaired the second part of the seminar. Mr. Yasar Dinçsoy, General Directorate of State Hydraulic Works of Turkey, gave a presentation entitled “DSI – Erosion and Sediment Control Works within the Context of Forest and Water Relationships”. Turkey is widely exposed to wind and water erosion as well to sedimentation in water courses. The General Directorate of State Hydraulic Works (DSI) of the Ministry of Forestry and Water Affairs is responsible for the management of water resources in Turkey. DSI has been implementing several preventive measures to address soil erosion in dam basins including afforestation and terracing of steep slopes.

19. Mr. Mevlut Düzgün, Head of the Strategic Development Department, Ministry of Forestry and Water Affairs of Turkey, gave a presentation entitled “Sustainable Mountain Development Strategies in Turkey: The Outcomes of Yuntağı Pilot Project”. The project “Development of public participation and improvement of socio-economic prosperity in mountain communities: Yuntağı Model (TCP/TUR/3102)” was funded by FAO and implemented between 2008 and 2010 under the coordination of the Ministry of Forest and Water Affairs in the Yuntağı region of Manisa Province. The aim of the project was to improve the livelihoods of mountain people through viable and area-specific income generating activities. One of the main outputs of the project was a strategic document on the development of sustainable mountain management policies and strategies, a document which defines legislative and institutional mechanisms for mountain management measures at the national level.

20. Mr. Ömer Eker, from the Faculty of Forestry of Kahramanmaraş Sütçü İmam University, gave a presentation entitled “Externalities in the Context of Forest and Water Relationships: Socio-Economic Effects”. The presentation focused on socio-economic aspects of water-related forest externalities and provided a comparative analysis of the social dimension of natural resource use and management, based on some watershed management projects carried out in Turkey.

21. Mr. Stanislaw Niemtura, Head from the Forest Research Institute of Poland (IBL), gave a presentation entitled “Ecological Practices in Mountain Watershed Management”. The presentation provided an overview of projects and methodologies for the conservation and management of upland forest and water resources in Poland as well as recommendations for avoiding water quality impairment within forested catchment.

22. The third part of the seminar was chaired by Mr. Ömer Kara, from the Forestry Faculty of the Black Sea Technical University. Mr. Josef Krecek, from the Department of Hydrology of the Czech Technical University, gave a presentation entitled “Possibilities and Limits of Ellenberg's Environmental Values to Indicate Forests and Water Relationships”. He explained that Ellenberg's indicator values (simple ordinal classes of plants with a similar ecological niche along a gradient) were successfully tested in the past two decades to describe the environmental changes and the recharge of water resources in the forested upper plateau of the Jizera Mountains, Czech Republic.

23. Mr. Hubert Siegel, from the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management, gave a presentation entitled “Outcomes of the EU project CC-Waters”. In the framework of CC-Waters project, a transnational and sustainable water management framework will be developed in collaboration with Slovenia, Hungary, Italy, Romania, Bulgaria, Greece, Croatia and Serbia. The Federal Research and Training Centre for Forests, Natural Hazards and Landscape, together with the Institute of Silviculture of the University of Natural Resources and Life Sciences of Vienna are currently conducting research aimed at enhancing water production functions of forests. Additionally, the governmental initiative on “Protection through Forests” will have a module on sustainable forest management for water production.

24. Mr. Eduard Hochbichler, from the University of Natural Resources and Applied Life Sciences of Vienna, gave a presentation entitled “Silvicultural Principles for Forest Management for Ensuring Drinking Water Protection”. The presentation was about a research conducted in the northeastern calcareous Alps of Austria, an area of approximately 30 000 hectares which is managed to ensure drinking-water supply to the city of Vienna. The research aimed at understanding the impacts of dwarf pine stands and alpine pastures on local hydrology in order to define principles and objectives of sound forest management and relevant silvicultural practices. This approach allowed to identify best management practices which in turn result in enhanced hydrological forest functions, improved soil infiltration capacity and increased resilience against erosion and floods.

25. Mr. Ádám Kertész, from the Geographical Research Institute of the Hungarian Academy of Sciences, gave a presentation entitled “Gully Development in the Forested Area of Börzsöny Mountain”. A study on gully development and distribution in a forested area of the Börzsöny Mountains in Hungary was conducted with the aim to understand the factors which trigger gully formation. Research results show that topography is the major driving force in gully formation, followed by land use type, parent rock and soil properties.

## **PROGRAMME OF THE WORKING PARTY UNTIL 2016**

26. Mr. Thomas Hofer chaired this part of the session. Mr. Paolo Ceci, from the Forestry Department of FAO, presented the preliminary results of the review of the mandate and modus operandi of the Working Party, which he was in charge of. This review had been endorsed on the occasion of the 35<sup>th</sup> Session of the EFC and was officially launched in March 2011.

The presentation was followed by an extended discussion about the options for the new structure of the Working Party. Delegates agreed on the necessity to keep the Working Party as an institutional “chapeau” under which thematic Working Groups would be established. With a Working Group structure, the Working Party will be able to more specifically respond

to the diverse needs and priorities within the European region. Each Working Group should have a leading country, detailed terms of reference, a work plan, clear outputs and expected results, and a defined budget to accomplish its tasks. Each Working Group would be responsible for the fundraising for its activities, e.g. through the development of project proposals to be submitted to the EC and other relevant donors. Every leading country would be a member of the Steering Committee of the Working Party, thus ensuring a greater commitment and a more motivated participation in pursuing the theme of interest. Therefore, the Steering Committee would receive a stronger mandate. Each EFC member country could obviously choose to participate in several Working Groups.

Working Groups may be in place for a limited duration, until the task is accomplished. A number of Working Groups were already proposed by the session participants in Kastamonu: forests and water (main advocating countries: Finland, Switzerland and Turkey), disaster risk management in mountains (main advocating countries: France and Austria), climate change, mountain meadows and forest fires.

In this new institutional structure, the services and responsibilities of the Secretariat would certainly increase. In particular, its role would be to coordinate the activities between the Working Groups and to support the work of the Steering Committee. A dedicated staff person, e.g. through secondments or through the APO programme, would be required in the Secretariat to deliver on these responsibilities.

It was decided to enhance the collaboration and to intensify the exchange of experiences and lessons learnt with countries from the Mediterranean region and Central Asia as well with other relevant institutional mechanisms such as for example FOREST EUROPE, the UNECE Water Convention, INTERPRAEVENT, etc.

Working Party sessions will continue to take place on a biennial basis. They will provide sound occasions for exchange, whereas the main agenda items will be the progress reports of the different Working Groups.

Additionally, it was decided to keep the name of the Working Party as it is at the moment. In fact, although it is a bit long, the present name allows for the accommodation of all the country needs and priorities.

According to the deliberations of the 35<sup>th</sup> EFC Session, the findings of the review and the recommendations from Kastamonu would be presented at the 36<sup>th</sup> EFC Session for consideration and guidance for future course of action.

27. Ms. Sibylle Vermont, from the Swiss Federal Office for the Environment, could not participate in the session but sent a note concerning the official position of Switzerland in regard to the review of the mandate and modus operandi of the Working Party. Switzerland is in favour of a Joint Working Group on Forests and Water encompassing the UNECE Convention on the Protection and Use of Transboundary Watercourses and International Lakes, UNECE Timber Committee and FAO European Forestry Commission. This institutional set up would ensure the participation of both forest and water experts with rich exchange. Non-governmental organizations should also be encouraged to participate in such Working Group.

## **PRESENTATION OF NATIONAL REPORTS**

28. Mr. Mevlut Düzgün chaired this part of the session. Ms. Maria Patek, from the Federal Ministry of Agriculture, Forestry, Environment and Water Management, presented the Austrian national report on the institutional settings concerning forest and water management. The presentation provided an overview of the main natural hazards which Austria is exposed to, the organizational and legal framework related to forest and water management, the

contribution of the Austrian Service for Torrent and Avalanche Control to integrated forest and water management and the activities carried out under international cooperation programmes. Capacity building, monitoring, awareness raising, interdisciplinary as well as international communication and cooperation were identified as key factors for integrated forest and water management. The importance to develop a transnational Protection Forest Strategy with attention to climate change and the resulting impacts on mountain forests was also stressed.

29. Mr. Josef Krecek presented the national report of Czech Republic. He provided an overview of the environmental features of the country, in particular as regards forest and water resources. Mountain forests play an important role in flash flood control, which is a severe problem in Czech Republic. Further, he explained how integrated flash flood prevention is organized in the country. Forests are presently being taken into account for the development of schemes of payments for ecosystem services. In particular, different types of protection forests need to be carefully identified in order to design and implement sound watershed planning schemes. For example, forests have a great potential to contribute to mitigating the impacts of climate change.

30. Mr. Eero Kubin, from the Forest Research Institute of Finland (METLA), presented the Finnish national report. Finland is the most extensively forested country in Europe and is situated mainly in the boreal coniferous zone. Forest management focuses on wood production, biodiversity conservation and protection of watercourses. Finland's National Forest Programme (NFP) was revised and adopted for implementation by a Government Decision in December 2010. The purpose is to pioneer the inclusion of biodiversity and other environmental benefits into the forest sector. The Finnish government is committed to foster cooperation on forests and water issues in the Baltic Sea Region. River basin management plans have been systematically drafted for all Finland's river basins to achieve a good state of surface water and groundwater by the end of 2015.

31. Mr Ádám Kertész presented the national report of Hungary. Most of the rivers crossing Hungary come from the neighboring countries. The Ministry of Rural Management is responsible for water resources with the support of the State Secretariat for Environmental Affairs. 12 Regional Directorates monitor the state of rivers by conducting surveys and collecting data on several parameters, under the supervision of the Central Directorate of Water and Environment.

Hungarian forests are managed by the Ministry of Agriculture and Rural Development. 56% of national forests are state-owned, 43% are private and 1% are community forests. The fragmented estate system hinders appropriate management, the improvement of the situation is one of the main national objectives for forestry.

32. Mr. Edward Pierzgalski from the Polish Forest Research Institute presented the national report of Poland. Hydrological conditions in Poland are greatly unfavourable due to relatively low and variable precipitation over space and time. Trends of decreasing water resources in forests are observed in some areas and should be prevented by controlling outflow, increasing the number of small surface water reservoirs and improving soil retention capacity through appropriate silvicultural treatments. This situation requires the mutual cooperation of the forest and water sectors. Further institutional development is needed at several levels as well as water management plans for river basins. Relevant administrative procedures should be streamlined and regulations to implement water management projects in forested areas should be simplified.

33. Mr. Matej Schwarz from the National Forest Centre of Slovakia, Chair of the Working Party, presented the Slovak national report. He gave an overview of the institutions concerned by the management of forests and water, explaining that two Ministries (the Ministry of the Environment and the Ministry of Agriculture and Rural Development) share the responsibility over watercourses leading to lack of coordination. He informed the participants about the work of the research institutes affiliated to the two ministries and reported about progress concerning the commitments under the EU Water Framework Directive. He further illustrated the stewardship and management frameworks hampering a more effective inter-sectoral collaboration between the forest and water communities, whereas most of the provisions in relevant programmes do not take into account mutual interactions and only set general rules.

34. Mr. Ümit Turhan, from the General Directorate of Forestry, presented the Turkish national report. Turkey has 21.2 million hectares of forests which correspond to 27.2% of the total country area. All forests are under state control and supervision. They are generally located in mountain areas and host rich biological diversity. Turkey is divided into 25 hydrological districts, with an annual water flow of about 186 billion cubic meters. Water and wind erosion is a serious problem in the country. The Ministry of Forest and Water Affairs is responsible for the coordination and implementation of forest and watershed management projects. The following large-scale integrated watershed management projects have been recently implemented in Turkey: Eastern Anatolia Watershed Rehabilitation Project; Anatolia Watershed Rehabilitation Project; Çoruh Watershed Rehabilitation Project Master Plan Works; Middle East Watershed Monitoring and Evaluation Project. In all these projects the participation of local communities, non-governmental organizations and relevant state agencies was essential in decision-making, activity implementation and funding processes.

35. Mr. Abdulkarim Abdujamilov, Director of Ugam-Chatkal National Park, presented the national report of Uzbekistan. The whole land of the Republic is state-owned, and land can be leased for growing trees and forests, although almost the entire forest area is under state management. Forests are unevenly distributed in Uzbekistan, according to soil and climatic conditions three different forest types can be found in the country: mountain, riparian and dry forests. The presentation provided insight into the main tree species and composition of these forest types as well as into national priorities and activities concerning forest management. They include: reinforcement and application of forest legislation, governance for forest use and conservation, coherent national policies, inventory of forest resources and mapping of forests with protective function, development of forest management plans, implementation of afforestation and reforestation projects, desertification control, forest fire and pest disease management, and illegal logging control.

## **PRESENTATION OF OBSERVER REPORTS**

36. Mr. Mevlut Düzgün continued to chair the session. Mr. Hideaki Marui, from the Research Center for Natural Hazards and Disaster Recovery, Niigata University, gave a presentation entitled “Landslide Disasters Caused by the 2011 Tohoku-Pacific Ocean Earthquake”. The magnitude of the earthquake was extremely high (M9.0) and resulted in various types of landslides. However, the total number of landslides caused by the earthquake was not so high, as the epicenter was far away from the coast. Landslides occurred in a very

wide area ranging up to 300 km from the epicenter. Detailed analysis should be carried out in order to better understand the dynamic of individual landslides.

37. Mr. Aun Dh. Abdullah, Director General of the National Center for Water Resources Management of Iraq, Mr. Adilaga Malikov, from the Ministry of Ecology and Natural Resources of the Republic of Azerbaijan, Mr. Oskombayev Turgunbek, Head of the Issyk-Kul Division of Environmental Protection and Forestry of Kyrgyzstan, and Mr. Dorobov Khursand, Chief Specialist of the Committee on Environmental Protection of Tajikistan, presented the observer reports of their respective countries. The presentations stressed the importance of the relationships between forests, water and wetlands in countries experiencing problems of water scarcity, water impairment and salinization, land degradation and desertification. The importance of international technical cooperation was also acknowledged.

## **DATE AND PLACE OF THE TWENTY-EIGHTH SESSION**

38. Mr. Matej Schwarz chaired this part of the session. Mr. Olivier Marco, the focal point of France, informed the participants that France is willing to host the 29<sup>th</sup> Session of the Working Party in 2013. The official communication and confirmation will arrive at a later stage. Mr. Adam Kertesz announced that Hungary might be the host country of the 30<sup>th</sup> Session in 2015, yet this offer needs to be confirmed.

## **ELECTION OF OFFICERS OF THE STEERING COMMITTEE**

39. As the official nomination of the focal point of Turkey was still pending, the new Chairperson of the Working Party could not be elected. Further, pending the confirmation of the host countries of the next two sessions, no new Steering Committee members were elected. Accordingly, the composition of the Steering Committee remains unchanged with the following composition:

- Poland
- Austria
- Finland
- Slovak Republic
- Turkey (Chair)

## **ANY OTHER MATTERS**

40. Two events of relevance for the Working Party are foreseen for April 2012: the side event on watershed management in the context of the FAO Regional Conference in Baku and the INTERPRAEVENT Conference in Grenoble. As 2012 is the 60<sup>th</sup> anniversary of the Working Party, a celebration is being proposed within the INTERPREVENT Conference.

## **CLOSING OF THE SESSION**

41. In his closing remarks, Mr. Hofer expressed high appreciation for the richness of the discussions and the quality of the presentations. The strategic discussions about the future of the Working Party resulted in clear and well structured recommendations to the EFC for

informed decision making on the new mandate and modus operandi of the group. He thanked the organizers, who, in spite of a period of change and transition in the relevant ministry, were able to organize perfect logistics in a very suitable location. Further, he thanked all participants for their presence and for their highly interesting and relevant presentations. Mr. Schwarz formally closed the 28<sup>th</sup> Session. He acknowledged and thanked the organizers, the lecturers, the delegations and the Secretariat for their active participation and their contribution to the success of the session.

## **STUDY TOUR**

42. The destination of the study tour, which was held on the third day, further fostered the dialogue among experts from different disciplines and countries. Watershed management practices put in place in Hacet Mountain, Black Sea region catchment, evidence the strong influence of forests and forestry on water resources for both drinking-water supply and diversified economic activities, such as power generation and aquaculture.

**ANNEX A****Agenda**

1. Opening of the Session
2. Adoption of the Agenda
3. Report on inter-sessional activities following the 27<sup>th</sup> Session of the Working Party (Štrbské Pleso, Slovak Republic)
4. Seminar on “*Forests for water, water for forests*”
5. Presentation of the findings of the consultancy to review mandate and modus operandi of the Working Party and relevant discussion
6. Presentation of country reports on “*Institutional settings concerning forest and water management*”
7. Presentation of observer reports on the topics of the session
8. Programme of the Working Party until 2016 – defining long term programme, inter-sessional activities
9. Collaboration and linkages between the Working Party and the European Forestry Commission
10. Presence of the Working Party at the 36<sup>th</sup> Session of the European Forestry Commission in October 2011
11. Election of officers of the Working Party
12. Date and place of the 29<sup>th</sup> Session
13. Any other matters
14. Closing of the session
15. Study tour

## ANNEX B

### Programme

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#### **Sunday 11<sup>th</sup> September**

Till 20:00	Arrival of some participants at Atatürk Airport in Istanbul and transfer to the guest house of the Regional Directorate of Forestry in Istanbul organized by the hosts
21:00	Dinner in the guest house Stay in the guest house over night

#### **Monday 12<sup>th</sup> September**

Till 16:00	Arrival of participants at Atatürk Airport in Istanbul and transfer to the session venue organized by the hosts
19:00	Stopover in Adapazarı Dinner in the guest house of the Regional Directorate of Forestry of Adapazarı
23:00	Arrival of participants at <a href="#">Ilgaz Mountain Resort Hotel</a> near Kastamonu

#### **Tuesday 13<sup>th</sup> September**

08:00 – 09:00	Registration of participants
	Opening of the Twenty-eighth Session of the European Forestry Commission Working Party on the Management of Mountain Watersheds
09:00 – 09:50	Welcoming words by the organizers <ul style="list-style-type: none"> <li>• Ahmet Sırı Beşel, Regional Forestry Directorate of Kastamonu</li> <li>• <i>Matej Schwarz</i>. Chair of the EFC Working Party on the Management of Mountain Watersheds</li> <li>• <i>Mustafa Kurtulmuşlu</i>. Director General, General Directorate of Forestry</li> <li>• <i>Erdoğan Bektaş</i>. Governor of Kastamonu</li> </ul>
09:50–10:05	Coffe break
10:05–10:40	Keynote addresses <ul style="list-style-type: none"> <li>• <i>Muhammet Saçma</i>. President, Chamber of Forest Engineers</li> <li>• <i>İsmail Üzmez</i>. Deputy Director General, General Directorate of Forestry</li> </ul>

- *Seyit Aydin.* Rector of Kastamonu University
- *Gernot Fiebiger.* IUFRO

Adoption of the agenda

Report on inter-sessional activities following the 27th Session of the Working Party (Slovak Republic)

10:40 –  
11:15

- The Perspective from the Secretariat of the Working Party. *Thomas Hofer.* Forestry Officer, Team Leader Watershed Management and Mountains, Forestry Department, FAO
- The Collaboration with the FAO Sub-Regional Office for Central and Eastern Europe (SEU) and the Regional Perspective. *Norbert Winkler.* Forestry Officer, SEU, FAO

11:15 –  
11:30

Coffee break

Press conference. *İsmail Üzmez, Thomas Hofer, Matej Schwarz*

Seminar “Forests for water, water for forests”

Chair: *İsmail Üzmez.* Deputy Director General, General Directorate of Forestry

11:30 –  
13:00

- Opening the seminar. *Thomas Hofer.* FAO
- Forest and Water Management in Planning. *Rüstem Kiriş.* Head, Forest Management, General Directorate of Forestry
- The Sectoral Relationships and Tentative Evaluation Developments between Forests and Water in Turkey. *Özden Görücü.* Kahramanmaraş Sütçü İmam University
- Integrated Watershed Rehabilitation Activities. *Mahmut Temiz.* Head, Soil Protect Department, General Directorate of Forestry

13:00 –  
14:00

Lunch at Ilgaz Mountain Resort Hotel

Seminar continues

Chair: *Özden Görücü.* Forestry Faculty, Kahramanmaraş Sütçü İmam University

14:00 –  
15:30

- DSI Erosion and Sediment Control Works within the Context of Forest and Water Relationships. *Yasar Dinçsoy.* General Directorate of State Hydraulic Works
- Sustainable Mountain Development Strategies in Turkey: The Outcomes of Yuntağı Pilot Project. *Mevlüt Düzgün.* Head, Strategic Development Department, Ministry of Forestry and Water Affairs
- Externalities in the Context of Forest and Water Relationships: Socio-Economic Effects. *Ömer Eker.* Kahramanmaraş Sütçü İmam University
- Ecological Practices in Mountain Watershed Management. *Edward Pierzgalski, Stanislaw Niemtus, Marcin Jachym.* Forest Research Institute, Poland (IBL)

15:30 –  
16:00

Coffee break

Seminar continues

Chair: *Ömer Kara*. Forestry Faculty, Black Sea Technical University

- Possibilities and Limits of Ellenberg's Environmental Values to Indicate Forests and Water Relationships. *Josef Krecek*. Czech Technical University
- Outcomes of the EU Project CC Waters. *Hubert Siegel*. Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management
- Silvicultural Principles for Forest Management for Ensuring Drinking Water Protection. *Eduard Hochbichler*. University of Natural Resources and Life Sciences, Vienna
- Gully Development in the Forested Area of the Börzsöny Mountain. *Ádám Kertész*. Hungarian Academy of Sciences

16:00 – 17:30	
17:30 – 18:00	Coffee break
18:00 – 19:30	Visit to Kastamonu
20:00	Dinner at Ilgaz Mountain Resort Hotel

**Wednesday 14<sup>th</sup> September**

Outcomes of the review of the Working Party mandate and modus operandi.  
*Paolo Ceci*. FAO

09:00 – 11:00	Discussion on the future mandate of the Working Party Programme of the Working Party until 2016. Defining long-term programme and inter-sessional activities Collaboration and linkages between the Working Party and the European Forestry Commission
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11:00 – 11:30	Coffee break
11:30 – 13:00	National reports on “Institutional settings concerning forest and water management”
13:00 – 14:00	Lunch at Ilgaz Mountain Resort Hotel
14:00 – 15:30	Section on national reports continues
15:30 – 16:00	Coffee break
16:00 – 18:00	Observer reports on the topics of the session
18:00 –	Coffee break

18:30

Presence of the Working Party at the 36th Session of the European Forestry Commission in October 2011

18:30 – Election of officers of the Working Party  
19:00 Date and place of the 29<sup>th</sup> Session

Any other matters  
Closing of the 28<sup>th</sup> Session of the Working Party

20:30 Typical Turkish dinner at Ilgaz Mountain Resort Hotel

## **STUDY TOUR**

### **Thursday 15<sup>th</sup> September**

08:15 – Depart from Ilgaz Mountain Resort Hotel and moving by bus to the first site of  
08:45 the study tour

Theme 1. "Watershed management within forest and nature protection"

08:45 – 09:15 • Çatören wood storage area - from upstream to downstream. Explanations by *Ahmet Sivacıoğlu* and *Ruknettin Tekdemir*, Regional Directorate of Forestry of Kastamonu  
• Questions and discussion

09:15 – 09:45 Moving by bus to the next site

Theme 2. "The relationships between forest management and watershed protection"

09:45 – 10:30 • Hacet Hillside. Explanations by *Ahmet Sivacıoğlu* and *Ruknettin Tekdemir*, Regional Directorate of Forestry of Kastamonu  
• Questions and discussion  
• Coffee break

10:30 – 10:45 Moving by bus to the next site

Theme 3. "Forest and water ecosystems and payments for ecosystem services"

10:45 – 14:00 • Hacet Hillside. Mountain ecosystem and geological structure.  
Explanations by Özden Görücü, Faculty of Forestry, K.Maraş Sütçü İmam University and by Miraç Aydin, Faculty of Forestry, Kastamonu University  
• Questions and discussion  
• Lunch in Hacet Plateau area

14:00 – 14:15 Moving to Kastamonu by bus

14:15 – Sightseeing in Kastamonu, in particular the Castle and traditional handicraft

16:30 shops

16:30 – 17:00 Return by bus to Ilgaz Mountain Resort Hotel

17:30 Depart to Istanbul

20:30 Stop over in Adapazarı  
Dinner in the guest house of the Regional Directorate of Forestry of Adapazarı

23:30 Arrival in Istanbul and stay over night in the guest house of the Regional Directorate of Forestry

**Friday 16<sup>th</sup> September**

All time Transfer to Atatürk Airport in Istanbul organized by the hosts

**ANNEX C****List of participants**

Chairman	<b>Matej Schwarz (Slovak Republic)</b>
Vice Chairmen	<b>Maria Patek (Austria)</b>
	<b>Eero Kubin (Finland)</b>
	<b>Edward Pierzgalski (Poland)</b>
	<b>Turkey - Pending designation</b>
Secretary	<b>Thomas Hofer (FAO)</b>

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Sırri KÖSTERELİ	Regional Director of Forestry for Bolu
Ali ŞAHİN	Regional director for Sinop
ALİ GÖKÇÜL	Regional director for Antalya
Hakki ÜNAL	Regional director for Amasya
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Mithat KOÇ Division Director	Forest planning department
Ziyaeddin AKKOYUNLU Engineer	
DR. Ahmet İPEK Dep. Chief	
Hülya KILIÇ Engineer	
DR.Kenan KILIÇ Engineer	Foreign relations, training and research department
Kiymet KELEŞ Expert	
Şenay ÇELİK Engineer	
Aşkın KIRAÇ	ORKÖY Daire Bşk.
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Mahmut TEMİZ	Department chief for soil conservation and watershed management
Süleyman Işık DERİLGEN	Head of Forest seeds research directorate
Mevlüt DÜZGÜN	Strategy department of the ministry
Yaşar DİNÇSOY	State Hydraulic Works
Hüseyin Baltalı	Department chief for general directorate of desertification and erosion control
Ramazan Çelikten	
Hakan Musluoğlu	Ministry of Food, Agriculture and Livestock
Hüseyin ŞENSOY	Forestry Faculty of Bartın
Temel SARIYILDIZ	
Ahmet SIVACIOĞLU	Forestry Faculty of Kastamonu
Miraç AYDIN	
Mehmet ÖZCAN	Düzce University forestry faculty
Ahmet Alper BABALIK	Süleyman Demirel University forestry faculty

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