

Pillar D. Long term provision of Forest Ecosystem Services

Goal: Forest functions are identified and valued and payments for ecosystem services (PES) are established, encouraging sustainable production and consumption patterns

Possible actions		Possible actors
D.0	<i>Objective: to develop and communicate ambitious and realistic strategies for the valuation of and payment for forest ecosystem services.</i>	
D.0.1	Review and develop approaches to the valuation of and payment for different forest ecosystem services, in the UNECE region, and involve both research and policy bodies in this work.	UNECE/FAO, EFI, FOREST EUROPE, UNEP, JRC, TI
D.1	<i>Objective: To support the assigning of economic value to non-marketed forest goods and services and to enhance the understanding and recognition of the public goods provided by forests.</i>	
D.1.1	Intensify research on the valuation of forest goods and services, notably as regards policy objectives, possible funding sources, and the incorporation of values of forest ecosystems into national accounting frameworks. Build databases and online platforms for exchange, cooperation and data dissemination. Develop guidance for the valuation of forest ecosystem services.	Science, EFI, EEA, UNECE/FAO, JRC
D.1.2	Organize a policy forum, based on survey and analysis, leading to concrete recommendations on the valuation of the public goods provided by forests such as human health and well-being, as well as on emerging dilemmas and trade-offs for managers and policy makers.	FOREST EUROPE, science, EFI, certification systems; This could also be a country-led initiative
D.1.3	Cooperate with other communities such as health, biodiversity, climate change, energy, agriculture and business, including the insurance sector, to exchange knowledge on valuation methodologies.	UNEP, TEEB
D.1.4	Undertake national and regional reviews of forest ecosystem services and assess their values, with the participation of forest managers, researchers and consumers of forest ecosystem services with a view to enabling forest investments.	Governments, science, stakeholders, certification systems, FOREST EUROPE

Possible actions		Possible actors
D.1.5	Promote the disclosure of the values of forest ecosystem services (supplied or consumed/impaired) at the corporate level.	Private sector, governments, stakeholders, ARCMED
D.2	<i>Objective: To promote best practice in the development and implementation of Payment for Ecosystem Services (PES) in order to ensure the continued provision of forest environmental services.</i>	
D.2.1	Review and share experience on payment for forest ecosystem services, notably enabling conditions for PES and monitor progress, taking into account existing material (e.g. SoEF 2011) and identifying implications for PES design and implementation.	UNECE/FAO, FOREST EUROPE, EFI, certification systems, research community, EU: multi-level FP7 consortium and regional funds, JRC, ARCMED
D.2.2	Build capacity at the national level for PES development and implementation and incorporate PES into existing strategies on the basis of experience.	Governments, stakeholders, ARCMED
D.2.3	Develop guidelines for policies and instruments that will provide a framework for PES and identify potential PES funding options.	UNEP, certification systems, JRC, ARCMED
D.2.4	Empower forest owners and promote partnerships between forest owners and other actors/stakeholders in developing and providing ecosystem services, for instance forest tourism/ecotourism services.	Forest owner associations, state forest organizations, governments, certification systems, ARCMED
D.2.5	Capitalize on success stories for PES in the forest sector and use them to raise public awareness.	FCN, certification systems, stakeholders, ARCMED
D.2.6	Undertake a comparison between the value of marketed and non-marketed forest goods and services, and develop recommendations as to how academic valuation methods could be transformed into payment systems.	Science, private forest owners, financial services sector, JRC

Possible actions		Possible actors
D.3	<i>To review ways in which forests contribute to or endanger human health and well-being, and ascertain whether this information is properly incorporated into policies and practices.</i>	
D.3.1	Organise a regional forum on forests and human health to review the situation, opportunities and challenges including the specific hazards and risks (e.g., air pollution from forest and other vegetation fires affecting human health and security), as well as benefits to human health from forests, and make recommendations for future work, at the international and national level.	WHO, IUFRO, ministries of health, medical schools, forest owners, GFMC, UNISDR, JRC, ARCMED
D.3.2	Study on wellbeing in wooden buildings vs. buildings with other structures.	Building research organizations
D.3.3	Undertake a comprehensive evaluation of the health and recreational services provided by forests (capturing positive and negative aspects) and communicate findings and conclusions of this exercise.	WHO, IUFRO, ministries of health, medical schools, forest owners