

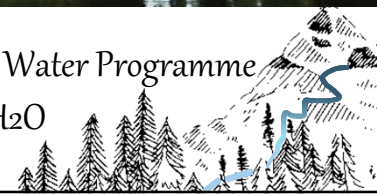
# Forest & Water in the Mediterranean Region

**Elaine Springgay**  
Forestry Officer – Forests and Water  
FAO – Rome, Italy



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# Why Forests and Water?

Approximately **80% of the global population** live in areas where **water resources are insecure**

**Forested watersheds and wetlands supply 75% of the world's accessible fresh water** for domestic, agricultural, industrial and ecological needs

Every **US\$1 invested** in watershed protection **can save anywhere from US\$7.5 to nearly US\$200** in water treatment

Forested watersheds provide high quality water to **90% of the world's largest cities**

**Yet 75% of the world's forests are not managed for soil and/or water conservation as a main objective**



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# Dryland Forests and Water



- More the 1/3 of world's population in drylands – 35% of the global land area
- Dryland trees are “water harvesters”
- Without trees, overland flow would occur in 71% of dryland area
- Tree density, canopy cover and spatial distribution of trees affect hydrology
- Sahel case study (Tobella, 2014; Ilstedt et al., 2016) estimates 5-10% tree cover ideal to improve water availability



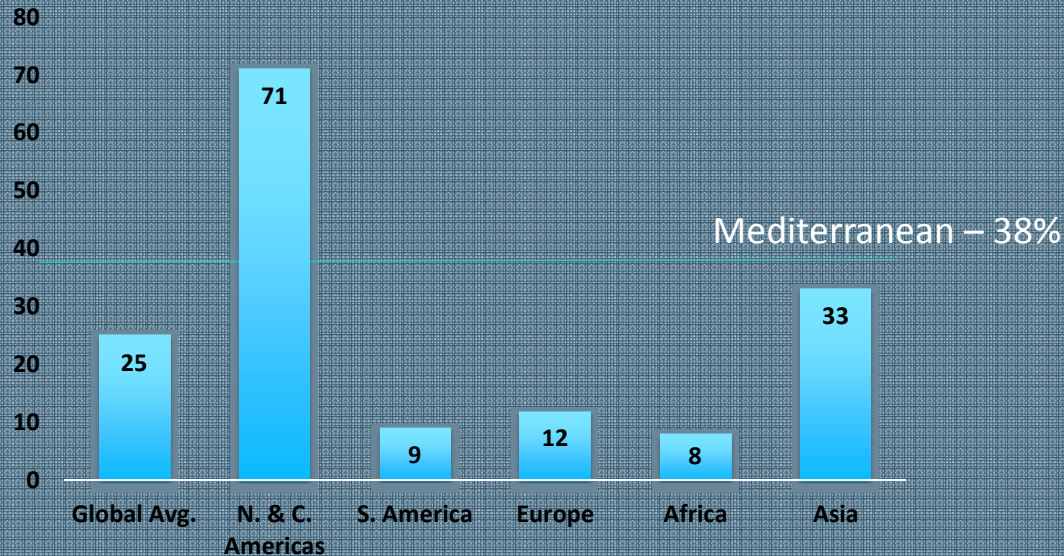
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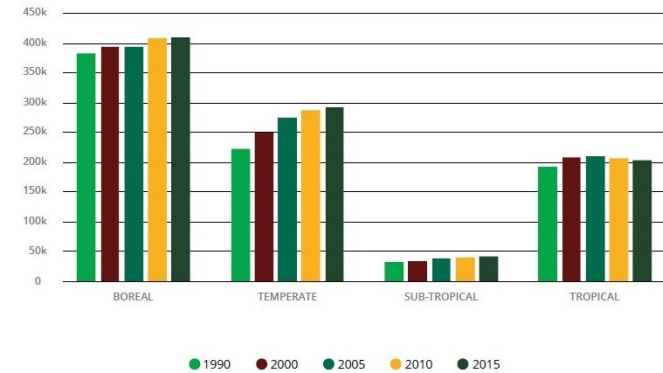
# Forests and Water - Globally

## % Forested Area – Water / Soil Conservation 2015



## Trends in management of forests for soil and water conservation, by forest type

Forest for Soil and Water Conservation (ha) by Forest Type



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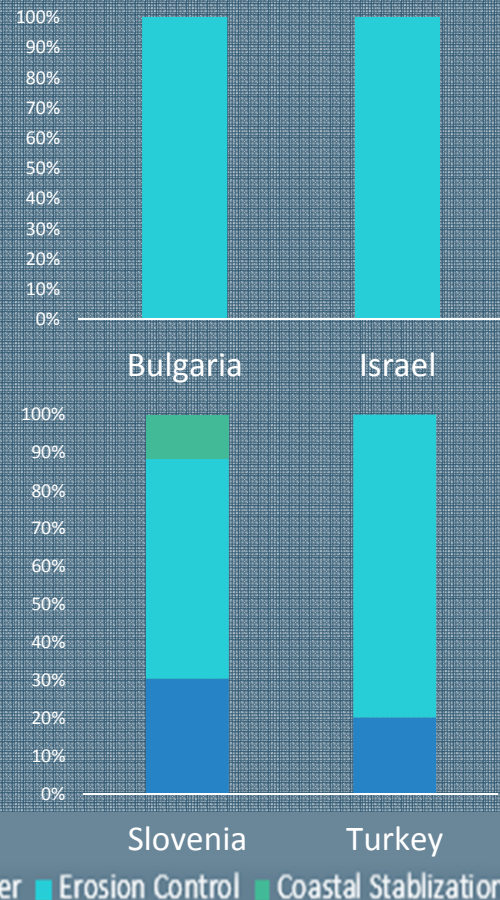


# Forests and Water - Mediterranean

% of forested area for water and soil conservation - Mediterranean



Priorities for soil and water conservation



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# Forests and Water in the NDCs

- Overall **35% of NDCs** report on forest-water linkages
- **5 out of 26** Mediterranean countries mention water services of forests
- **4 out of 26** Mediterranean countries mention integrated resource management

Country	Forest-Water	Watershed
Jordan	1	0
Lebanon	1	1
Morocco	1	1
North Macedonia	0	0
Palestine	1	0
Tunisia	0	1
Turkey	1	1
<b>TOTAL</b>	<b>5</b>	<b>4</b>



# FAO's Forest and Water Programme



## Technical Assistance

- Forest management for water
- Online forest-water monitoring tool
- Project Development



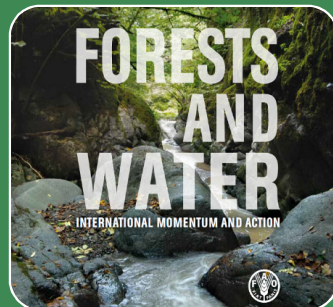
## Knowledge Management

- Study on risks of forested watersheds supplying water to fastest growing cities
- Study on forest and water nexus recognition in Nationally Determined Contributions



## Capacity development

- Training Guide on Forest and Water nexus
- Workshops and training of trainers
- E-learning courses



## Advocacy

- International network of researchers / practitioners
- Coordinated events / webinars
- Publications
- Social Media



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# Thank you



**Elaine Springgay**

*Forestry Officer (Forests & Water)*

[elaine.springgay@fao.org](mailto:elaine.springgay@fao.org)

FAO Forest and Water Programme: [www.fao.org/2/ForestsAndWater](http://www.fao.org/2/ForestsAndWater)

Forests and Water Network Discussion Group: <https://dgroups.org/fao/forestwaternetwork>

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