

# Synthesis on Nationally Determined Contributions at Mediterranean level



Sixth Mediterranean Forest Week  
Brummana, Lebanon, 1-5 April 2019

## Session 1: Where we stand

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**Food and Agriculture  
Organization of the  
United Nations**

# Mediterranean forests matter

- 88 million ha of forests in Mediterranean countries (10% of land area)
- 32 million ha of other wooded land



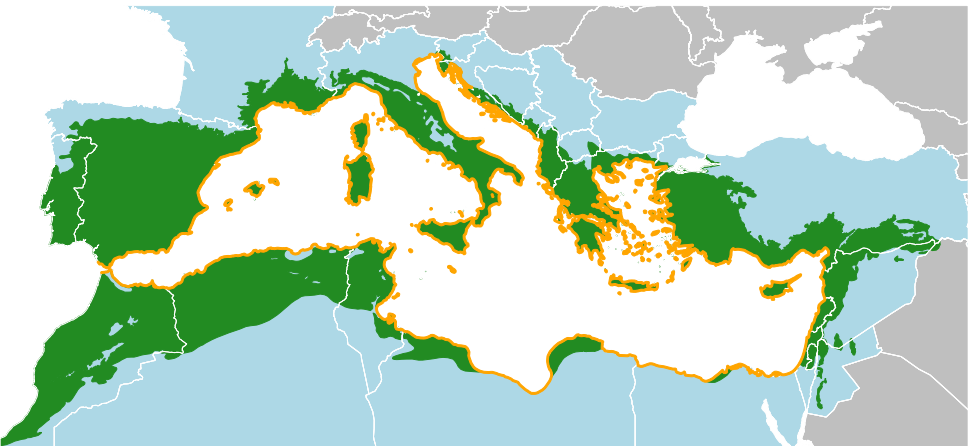
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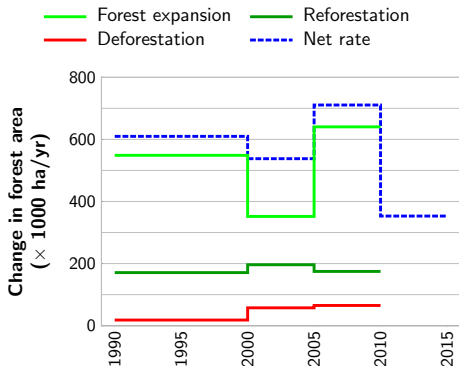
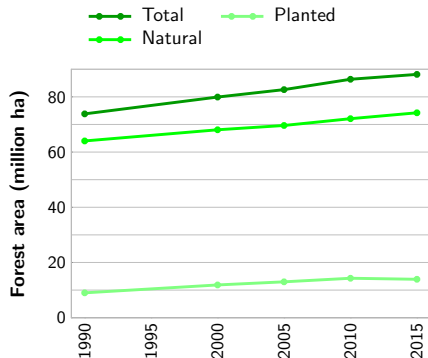
- 88 million ha of forests in Mediterranean countries (10% of land area)
- 32 million ha of other wooded land
- 25.5 million ha of Mediterranean forests (18% of biome area)
- 28% of the littoral area ( $\leq 5$  km from coastline)



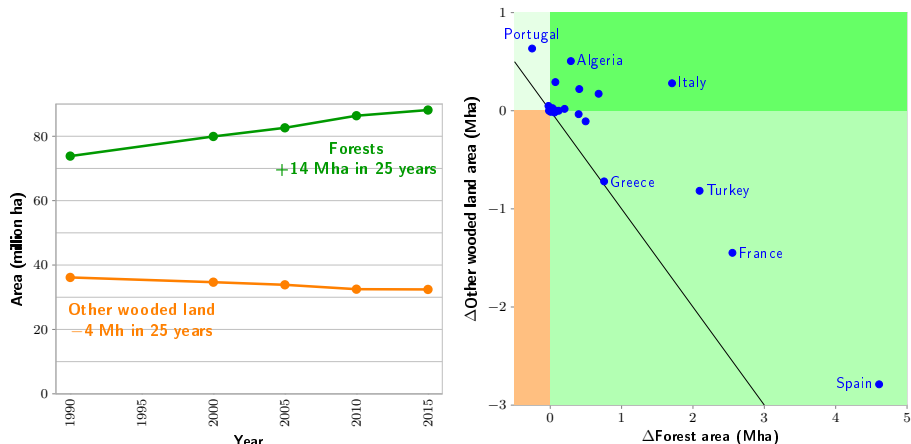


# Forest area in Mediterranean countries is **slightly increasing**

- 2% increase in forest area between 2010 and 2015
  - +0.67%/yr forest expansion
  - +0.23%/yr reforestation
  - -0.05%/yr deforestation
- } 0.85%/yr net increase between 1990 and 2010

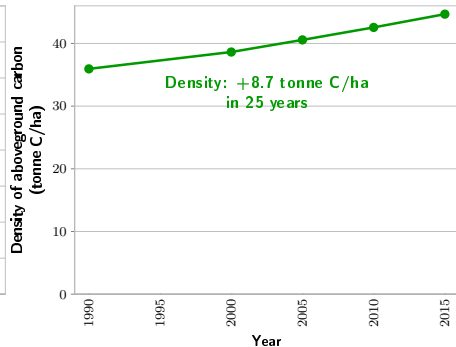
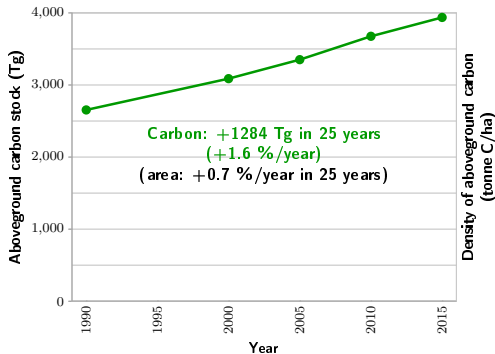


But the area of other wooded land in Mediterranean countries is **slightly decreasing**

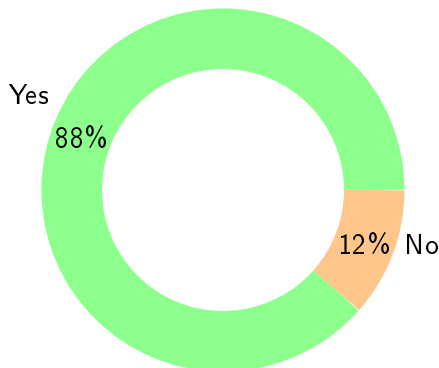


The increase in forest area is more than a conversion of other wooded land into forests

Both the carbon stock and its density are **slightly increasing** in Mediterranean countries

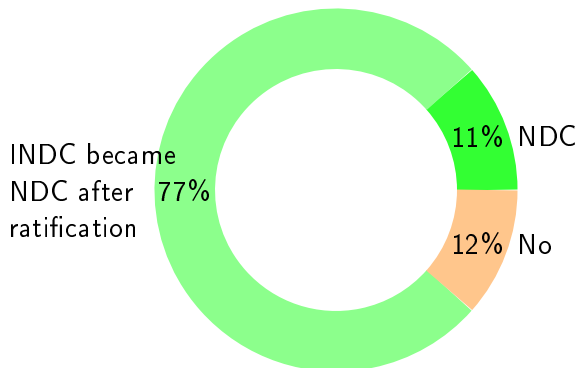


# Status of ratification of the Paris Agreement in the Mediterranean



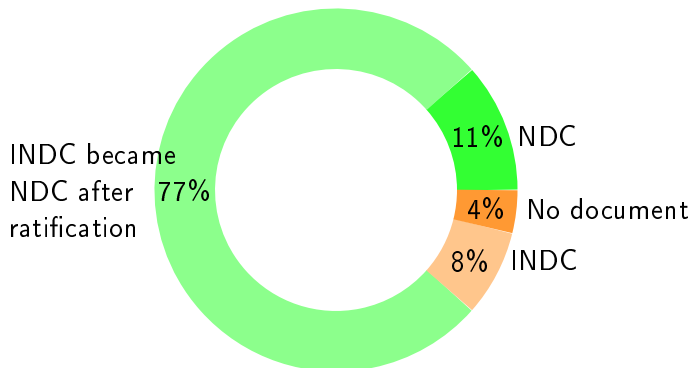
Has the Paris Agreement been ratified?

# Status of ratification of the Paris Agreement in the Mediterranean



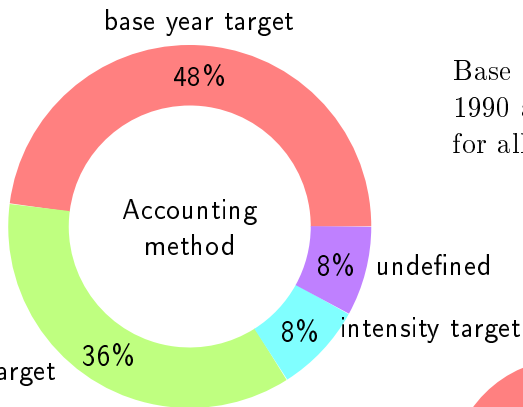
Has the Paris Agreement been ratified?  
Type of NDC document

# Status of ratification of the Paris Agreement in the Mediterranean



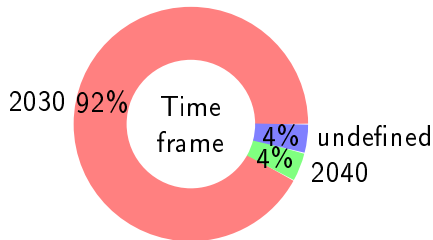
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# Type of accounting method and time frame

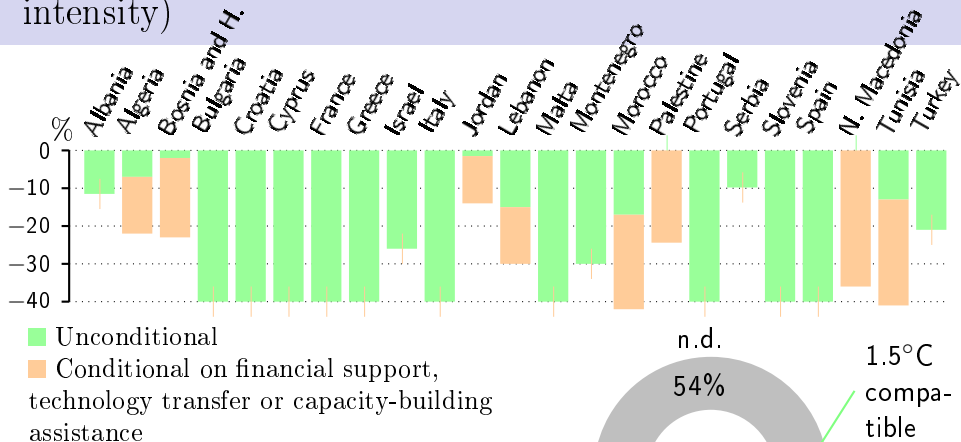


Base year target:  
1990 as reference year  
for all countries

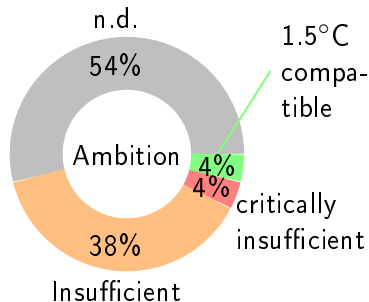
Intensity target: reduction in  
tCO<sub>2</sub>eq emissions per capita  
(compared to 2005) or per GDP  
(compared to 2010)



# NDC target (% reduction in emissions or emission intensity)

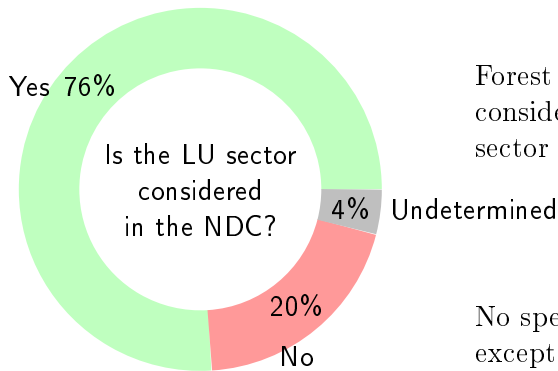


Ambition (Climate Action Tracker) taking account of national circumstances (state of the forest, economical dependency on forests, etc.)





# Role of the LU/forest sector in the NDC



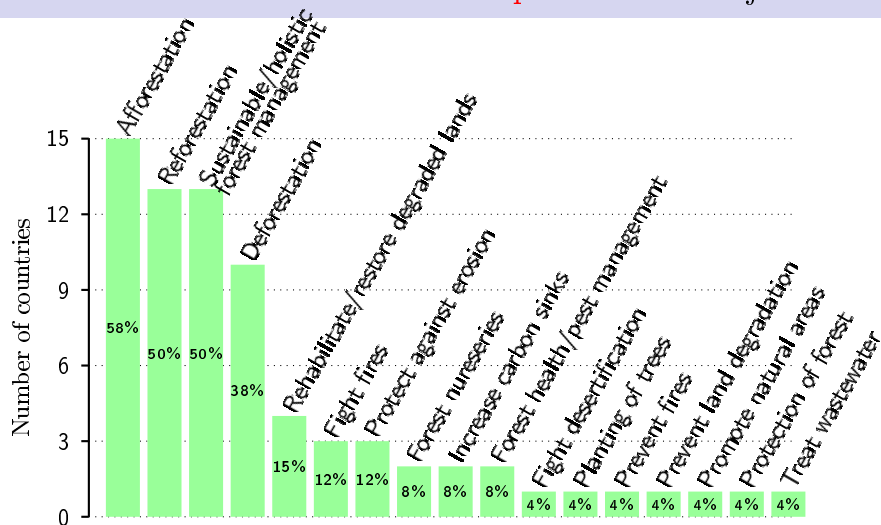
Forest sector always considered when the LU sector is considered

No specific forest target, except in Morocco:

- 11.6% of Morocco's mitigation effort between 2020 and 2030 will come from forests
- 12.1% in 2010

In half the cases when LU is not considered, it is to be later considered (when more data are available, etc.)

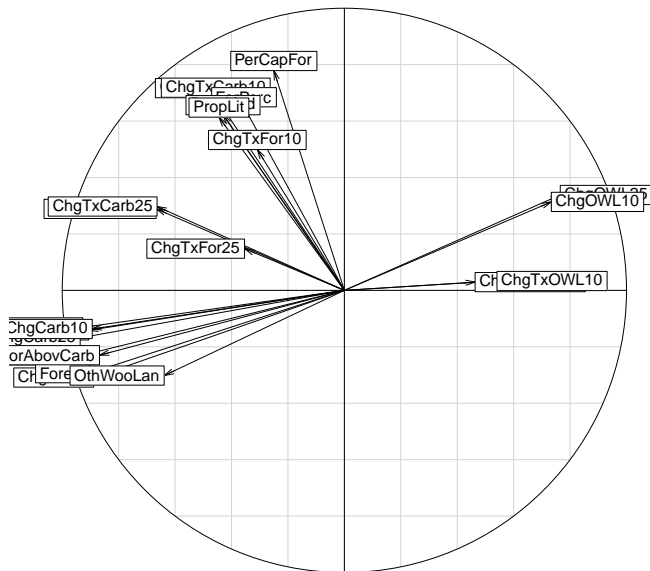
# Forest measures in NDCs: Few quantitative objectives



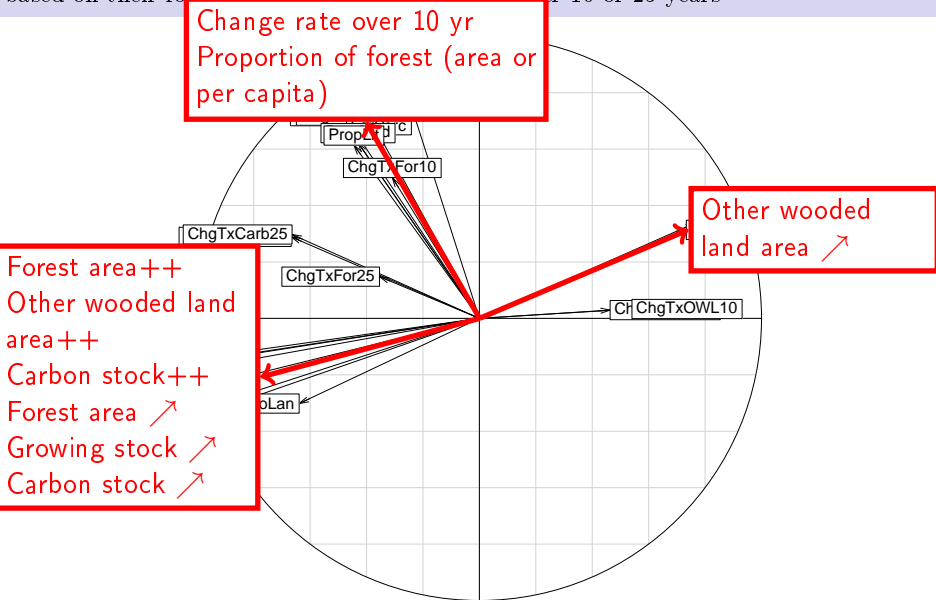
- Algeria: National Reforestation Plan of 1,245,000 ha by 2030
- Jordan: afforesting 25% of barren forest areas
- Morocco: afforestation of 50,000 ha/year; Etc.

# Ordination of countries

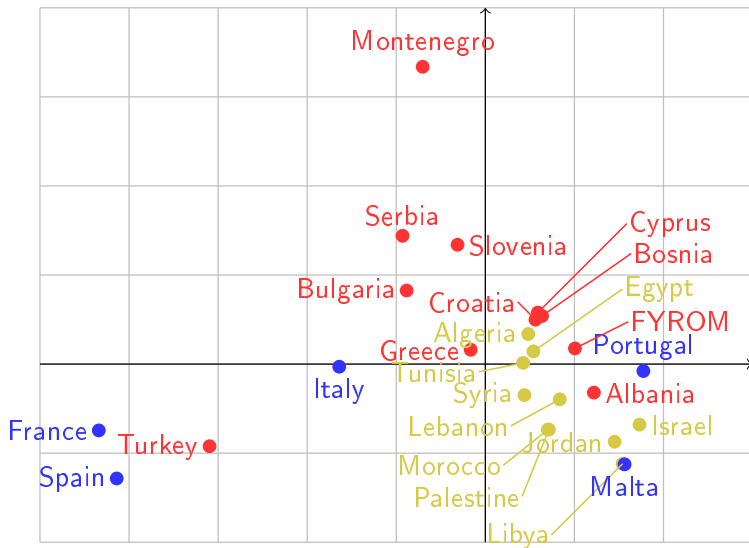
based on their forest attributes or their change over 10 or 25 years



## Ordination of countries

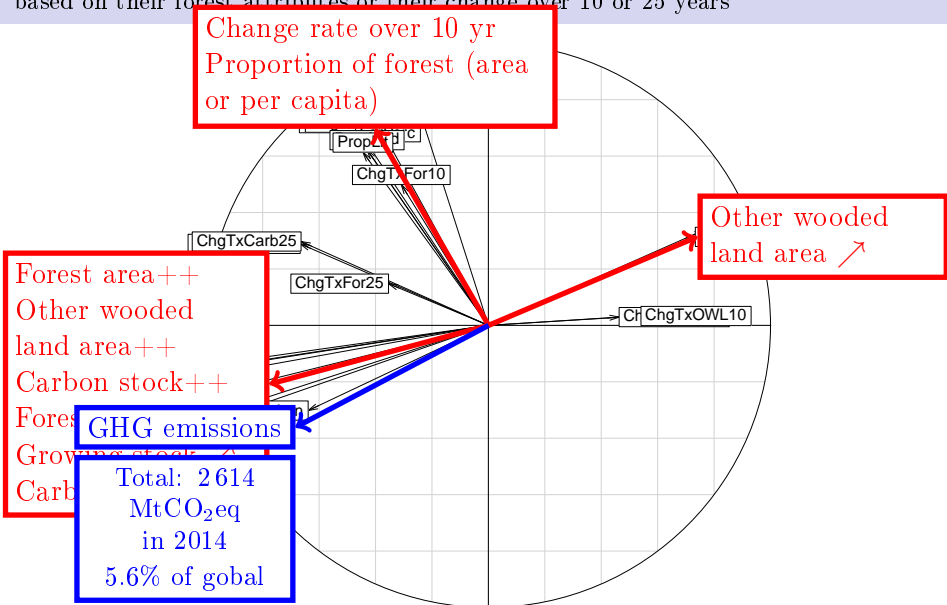


The overall forest typology reflects geography...



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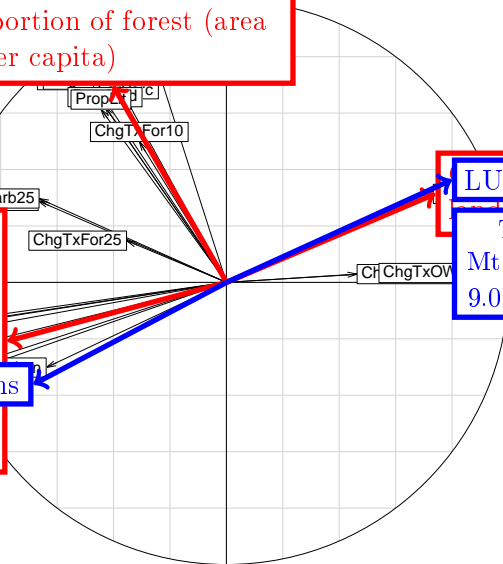
Change rate over 10 yr  
Proportion of forest (area  
or per capita)

Forest area++  
Other wooded  
land area++  
Carbon stock++  
Forest  
Growing stock ↗  
Carbon stock ↗

GHG emissions

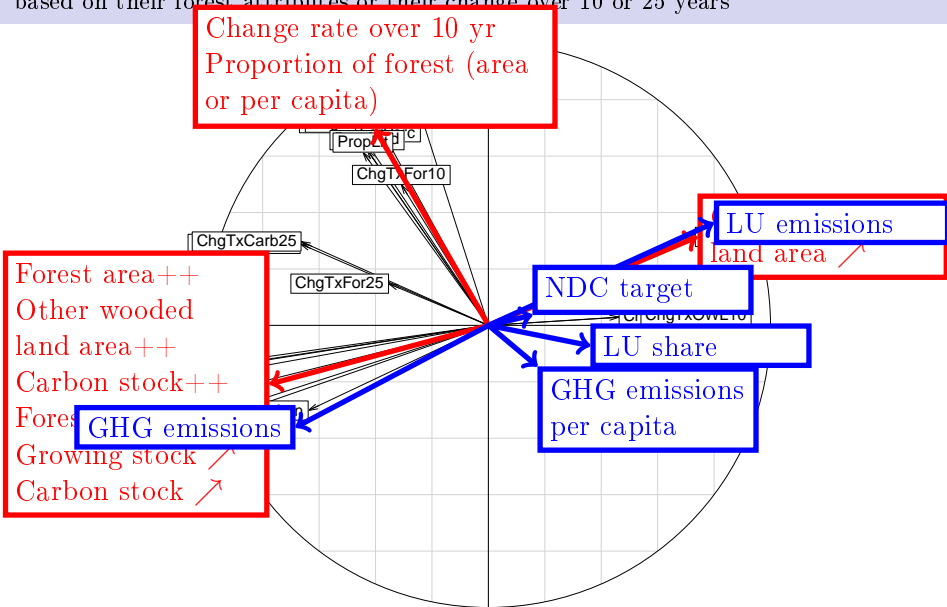
LU emissions

Total: -235  
MtCO<sub>2</sub>eq in 2014  
9.0% of emissions



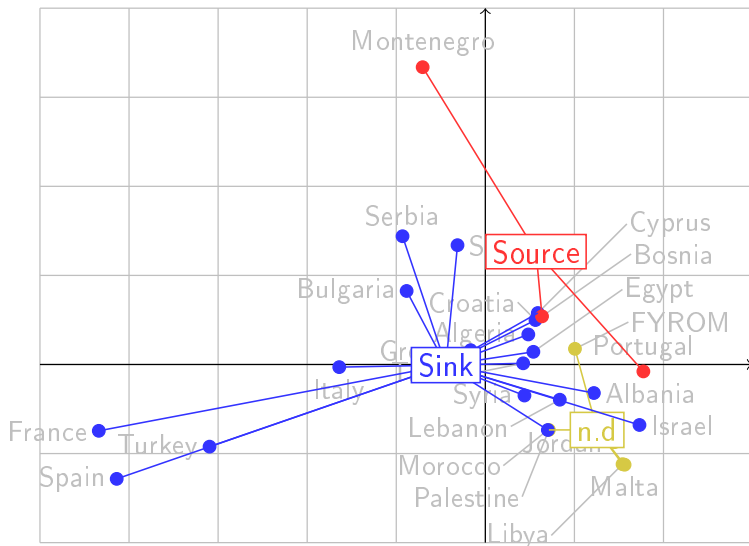
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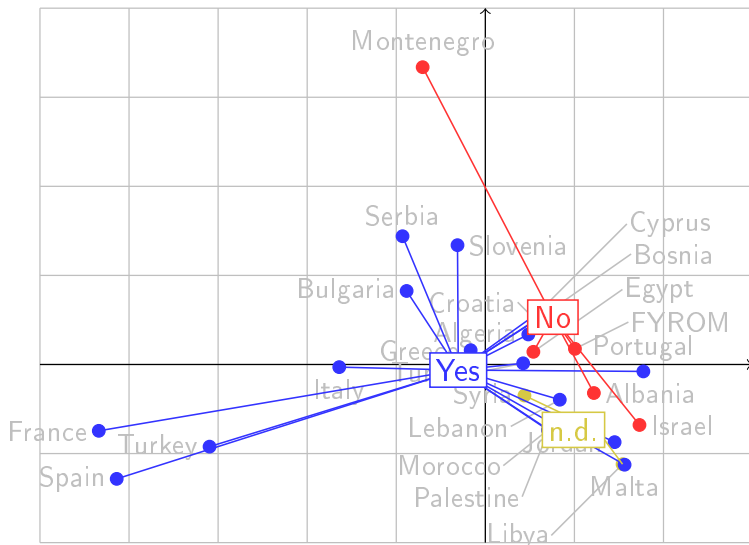




The overall forest typology reflects geography...  
and is linked to the status of forests as a sink or source of carbon



The overall forest typology reflects geography...  
and also to the inclusion of the LU/forest sector in the NDC



- ① Although threatened by drivers of degradation, forests are a natural capital for the Mediterranean region
- ② Even if three-quarters of Mediterranean countries have included the LU and forest sector in their NDC, there are contrasted targets in terms of GHG emission reductions
- ③ The inclusion of the LU/forest sector in the NDC is linked to the country profiles in terms of forest attributes
- ④ Forest action types (both for climate change mitigation and adaptation) are clearly identified
- ⑤ The contribution of the forest sector to the NDC targets should be further clarified

Thanks for your attention!



<http://www.fao.org/docrep/017/i3226e/i3226e.pdf>



<http://www.fao.org/3/CA2081EN/ca2081en.PDF>