

# Cork Oak Landscapes, Their Products and Climate Change Policies



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# Forests (are not only) Sequestration

# Forest Sequestration

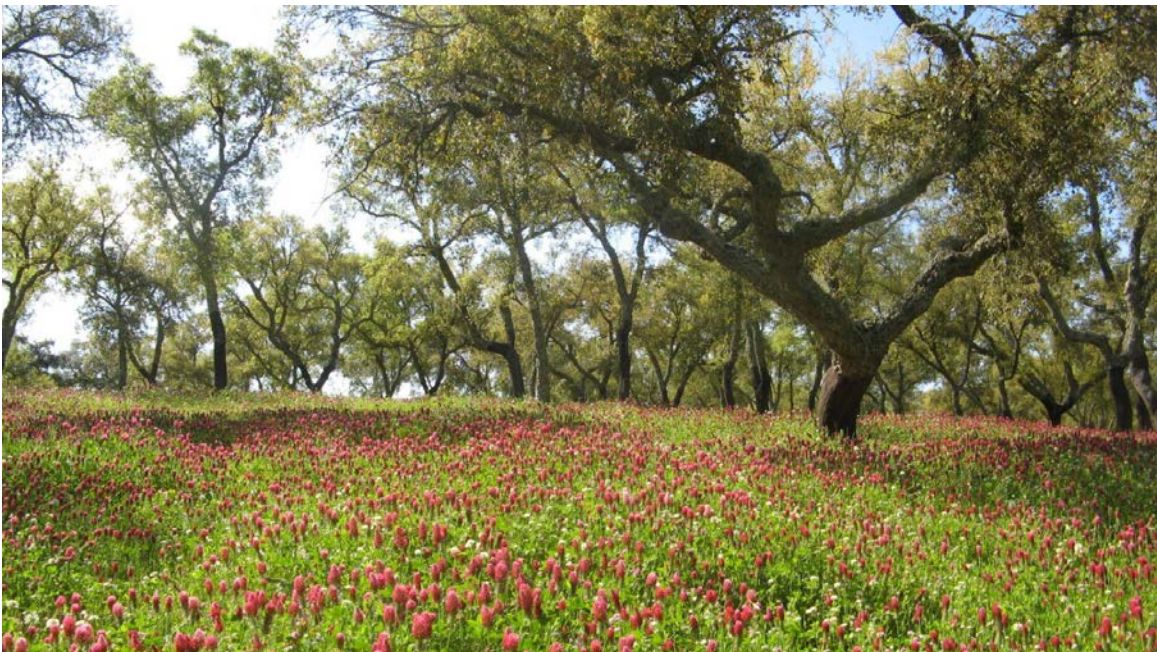
## Forests as Sources of Emissions



# Forests (are not only) Trees

# Case Study: Promoting Soil Carbon Sequestration in Portugal

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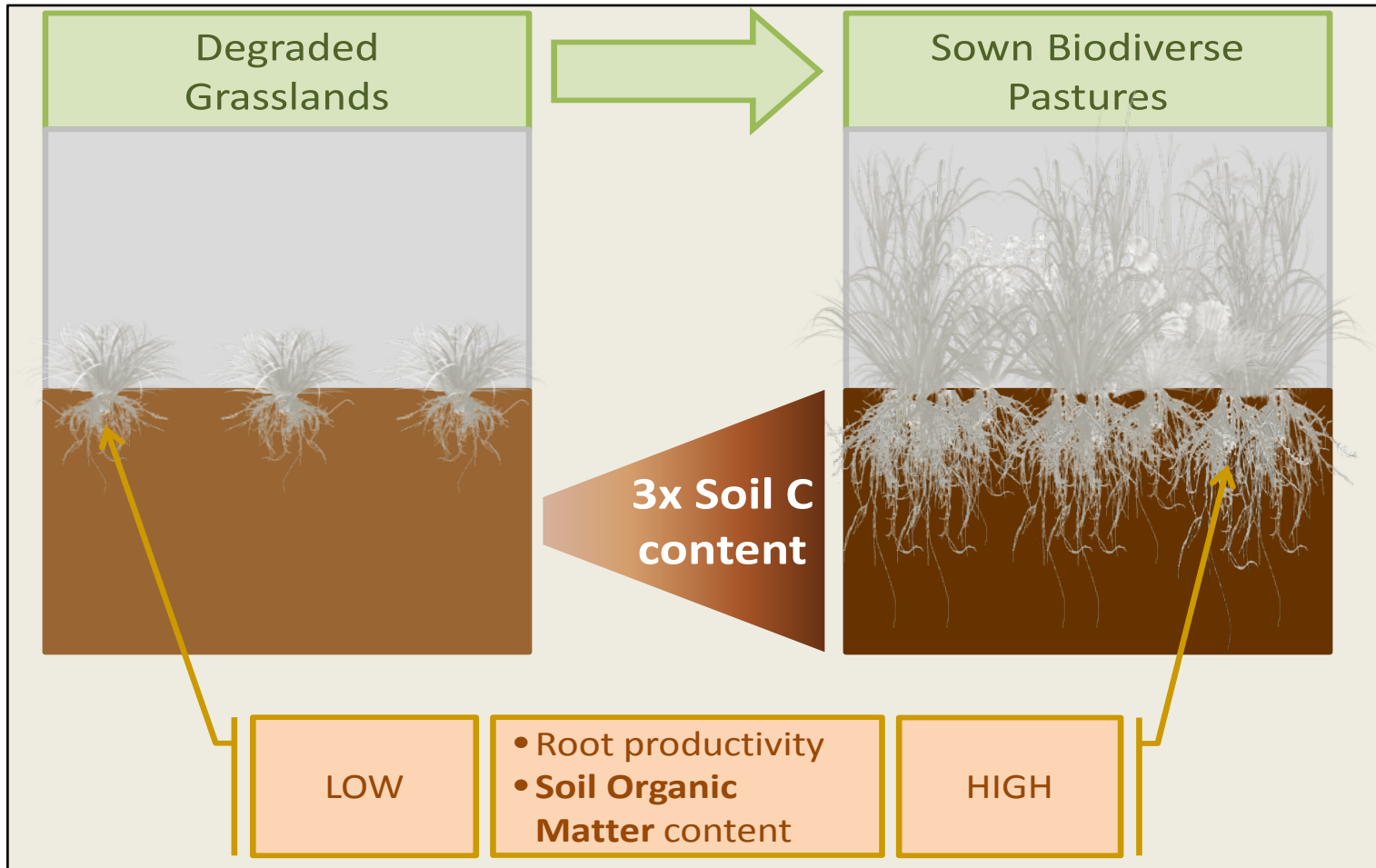
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Fundo português de Carbono

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# Case Study: Promoting Soil Carbon Sequestration in Portugal

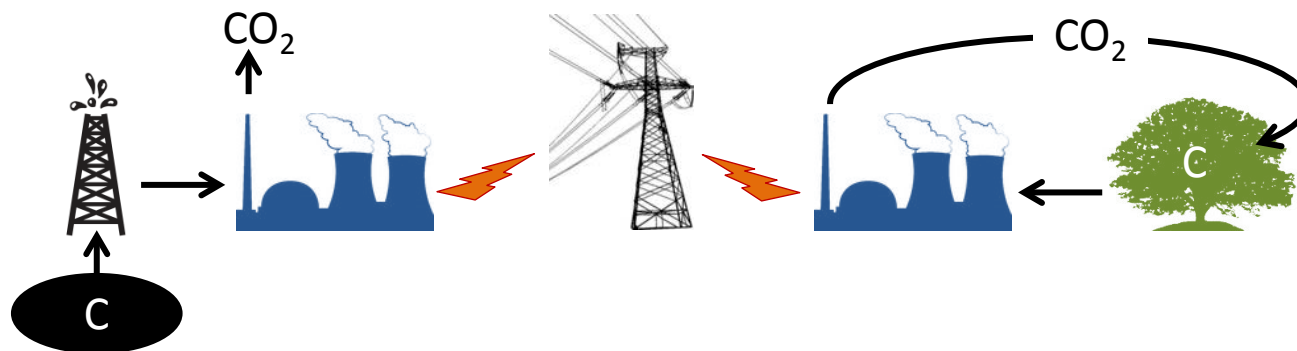


# Case Study: Promoting Soil Carbon Sequestration in Portugal

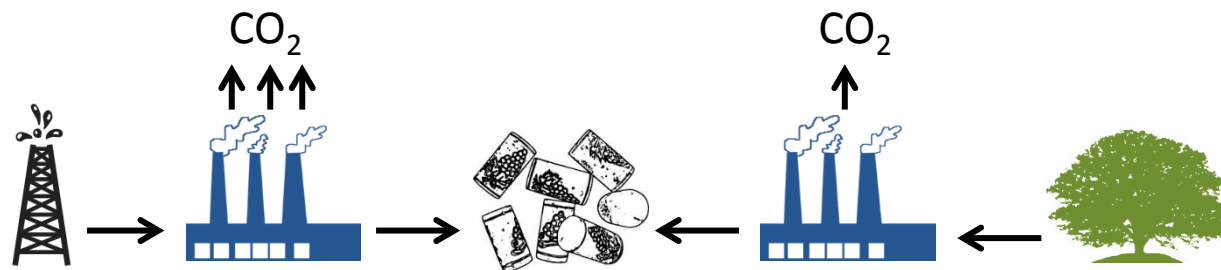
- The projects offered two alternatives for farmers:
  - Sown Biodiverse Pastures (SBP)
    - Increases of SOM at 10 cm depth: ~1.8tC/y for 10 years
  - Improved Shrub Control (ISC)
    - increases of SOM at 30 cm depth: ~1.6 tC/y for 10 years
- Overall impact
  - 130,000ha intervened;
  - >1,000 farmers involved;
  - 1.5 MtCO<sub>2</sub> of additional sequestration

# Substitution Effects of Forest Products

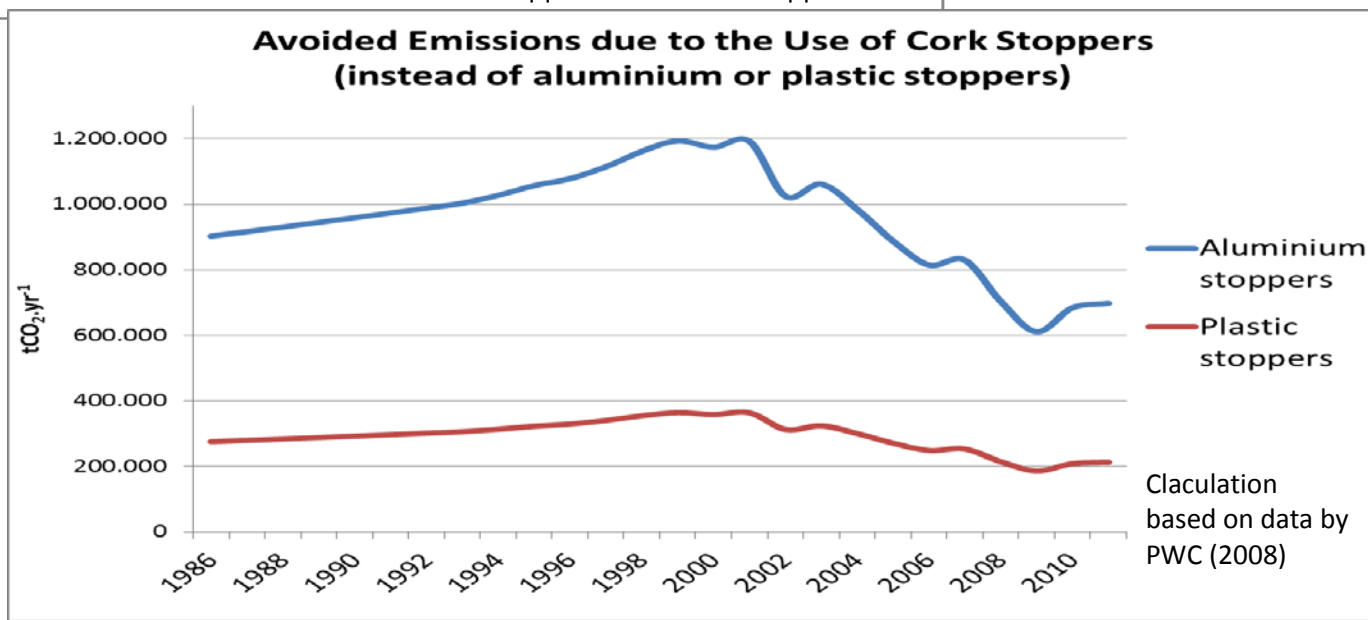
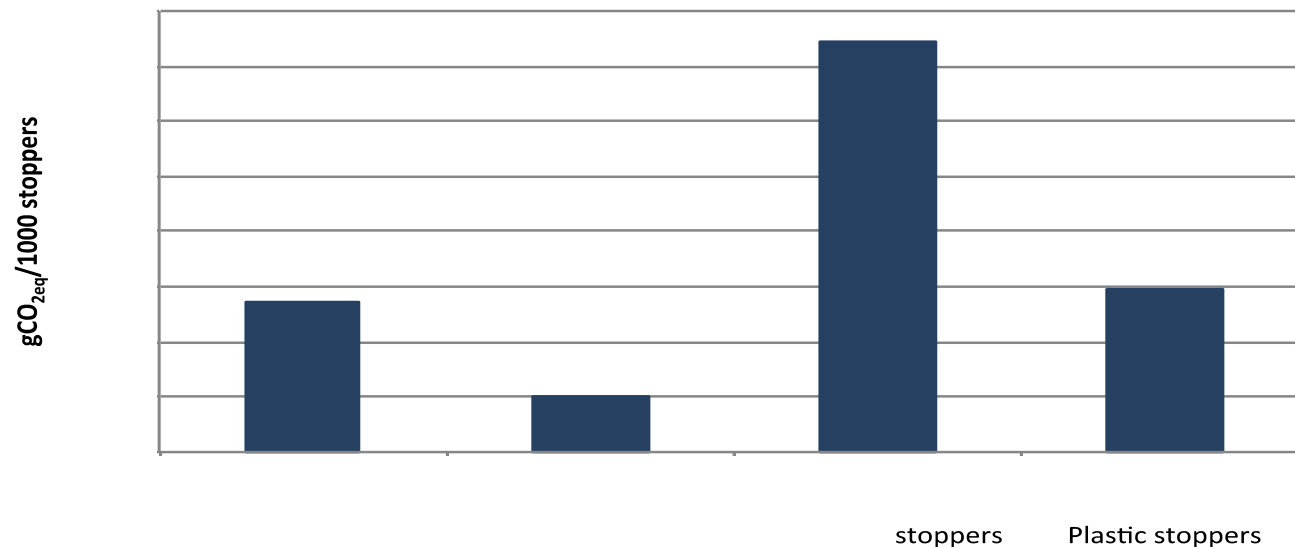
- **Energy Substitution:** compare two alternative energy carriers



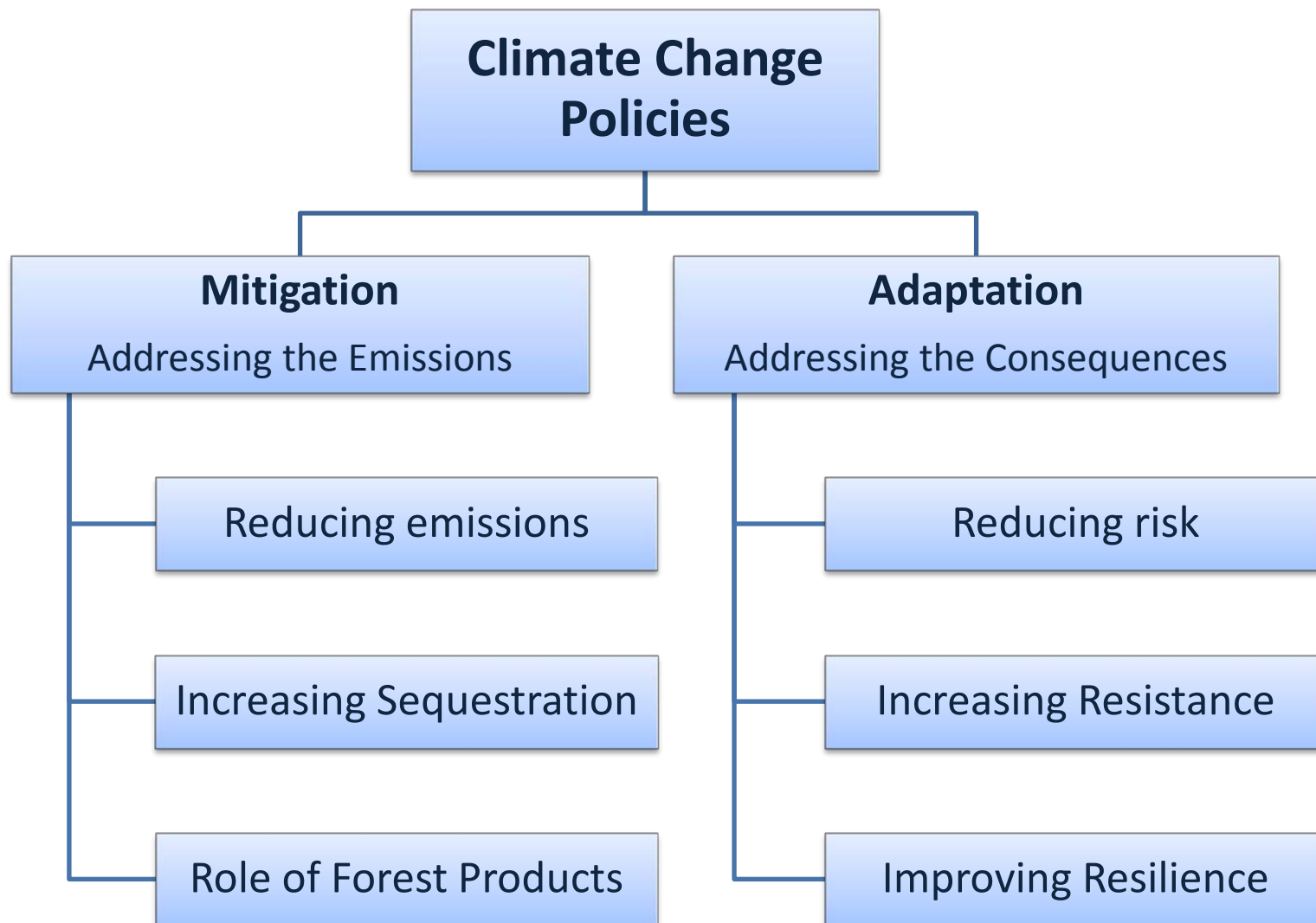
- **Material Substitution:** compare two alternative raw materials



# Material Substitution in Cork Products – Wine Stoppers



# Climate Policy (is not only) Mitigation



# Mitigation or Adaptation?

## Mitigation AND Adaptation!

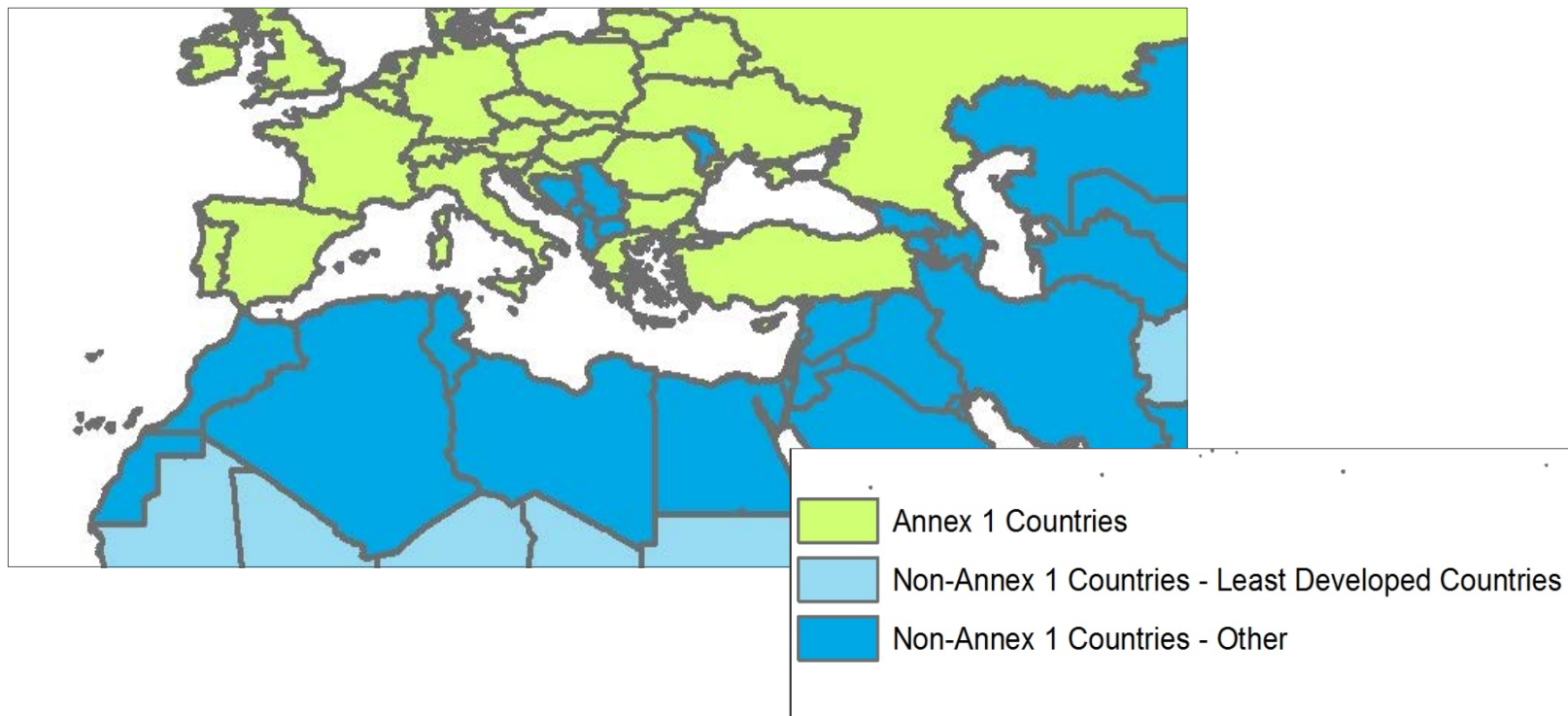
*Some examples...*

Action	Mitigation	Adaptation
Eliminate soil tillage	Improves soil sequestration Reduces fuel emissions	Improves resistance to drought
Increase fire prevention management	Reduces fire emissions	Improves resistance to fire Improves post-fire resilience
Eliminate over grazing	Improves soil and tree sequestration Reduces animal emissions	Improves resistance to climate change

# Climate Finance (is not only) Carbon Markets

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- **Clean development mechanism** can be used to promote afforestation projects (non A1-countries)



# Climate Finance (is not only) Carbon Markets

- **REDD+ finance** can be used to finance capacity building and “reward” emission reductions in forest landscapes (non-A1 countries)
- **NAMA finance** can be used to finance climate mitigation resulting from activities that reduce emissions or increase sequestration in the forest, agriculture and grazing sectors (non-A1 countries)
- **Adaptation finance** can be used to promote forest resilience and resistance to climate change (non-A1 countries)
- **Common Agriculture Policy finance** can be used for both mitigation and adaptation (EU countries)
- **Life Programme finance** can be used to promote best practices and demonstration projects in both mitigation and adaptation (EU countries)
- **Voluntary carbon market finance** can so far be used only for a limited number of practices (all countries)

# Summary of Key Messages

- **Forests (are not only) Sequestration**
  - Address Sources of Forest Emissions
- **Forests (are not only) Trees**
  - Don't Forget Soils, other Vegetation, Grazing Animals
  - Consider the Substitution Effects of Forest Products
- **Climate policy (is not only) Mitigation**
  - Try to Develop Win-Win Strategies for both Mitigation and Adaptation
- **Climate finance (is not only) Carbon Markets**
  - Consider which is best source of finance (and most likely to succeed) for your ideas



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