



Horizon Europe Brokerage Event  
Cluster 6 Calls 2025  
Warsaw , 27 May 2025

# Observing the Adverse Effects of Climate Change and Developing New Strategies and Methods for Adaptation.

Name of the speaker (Yakup KILIÇ )

Institution/ organisation (Kayseri Regional Directorate Of Forestry )



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## Topic(s) addressed :

- HORIZON-CL6-2025-03-GOVERNANCE-08: Effective environmental observing systems and associated governance

## Other topics of interest:

- HORIZON-CL6-2025-01-BIODIV-06: Assessing and modelling socio-economic impacts of nature restoration
- HORIZON-CL6-2025-01-BIODIV-06: Assessing and modelling socio-economic impacts of nature restoration

## Project idea

- **Project Concept and Overview**
- **Title:** Observing the Adverse Effects of Climate Change and Developing New Strategies and Methods for Adaptation
- **Project Summary:**

This project aims to observe, analyze, and mitigate the negative impacts of climate change on forest ecosystems through innovative, data-driven, and nature-based adaptation strategies. Forests in Turkey, particularly those managed by Kayseri Regional Directorate of Forestry, are highly vulnerable due to their exposure to a mix of continental, Mediterranean, and Black Sea climates, diverse elevations, and rich biodiversity.

## Project idea

- **Objectives:**
- Monitor climate -induced changes in forest health using remote sensing, GIS, and AI -based tools.
- Analyze spatial vulnerability by elevation and climate zone.
- Develop region -specific adaptation strategies aligned with EU climate and biodiversity policies.
- Strengthen institutional capacity and public awareness on climate resilience.
- **Existing Consortium (Indicative):**

The project will build on national forestry expertise and collaborate with universities, research institutes, and local governments. Kayseri Regional Directorate of Forestry, with access to national -level support from the General Directorate of Forestry and affiliated research institutions, will serve as a strong technical partner.

## Main expertise offered / sought

- Institutional Expertise

Kayseri Regional Directorate of Forestry has institutional expertise in monitoring climate change impacts on forest ecosystems and developing adaptation strategies.

As one of 30 regional directorates under the General Directorate of Forestry, it benefits from centralized technical and financial support..

It collaborates with national forestry research institutes

Its organizational structure and capabilities position it as a strong implementation and solution partner in the project.

## Main expertise offered / sought

- Kayseri Forestry Regional Directorate is implementing the Turkey Resilient Landscape Integration Project (TULIP), which is approved by the World Bank and continues. This project was implemented to reduce the effects of climate change and natural disasters, protect natural resources and support rural development.
- We would like to take part in the project as a project partner. If requested, we can also consider project coordinatorship.

## Main expertise offered / sought

- The requirements for additional partners
- Expertise in Climate Projections and Modeling
  - Ability to apply IPCC-based scenarios (RCP/SSP) and generate regional risk forecasts.
- Competence in Remote Sensing for Forest Ecosystems
  - Capable of detecting forest health issues such as drought stress, storm damage, broken/uprooted trees, and mistletoe infestation using satellite (e.g., Sentinel, Landsat) and drone imagery.
- Elevation-Sensitive Spatial Risk Analysis
  - Ability to analyze the correlation between elevation, slope, and forest damages using digital elevation models (DEM).

## Main expertise offered / sought

- The requirements for additional partners
- Experience in Developing Adaptation Strategies and Policies
  - Proven ability to create strategies aligned with EU climate adaptation and nature-based solution frameworks.
- Track Record in EU-Funded Projects (e.g., Horizon Europe, LIFE, Interreg)
  - Prior participation as partner or coordinator in European-funded environmental projects.
- Technical Capacity in GIS, AI, and Automated Damage Detection
  - Research and application of machine learning tools to assess forest health.
- Training, Dissemination, and Capacity Building
  - Ability to lead awareness campaigns, prepare training materials, and support stakeholder engagement.



## Contact details

- Your name; **Yakup KILIÇ**
- The name of your organisation; **Kayseri Regional Directorate of Forestry**
- The nature of your organisation; **Governmental Organisation**
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THANK YOU FOR YOUR ATTENTION