

# *Interconnecting forests, science and people: the importance of forest science and education for a more sustainable world.*

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Nature

Forest

Carbon

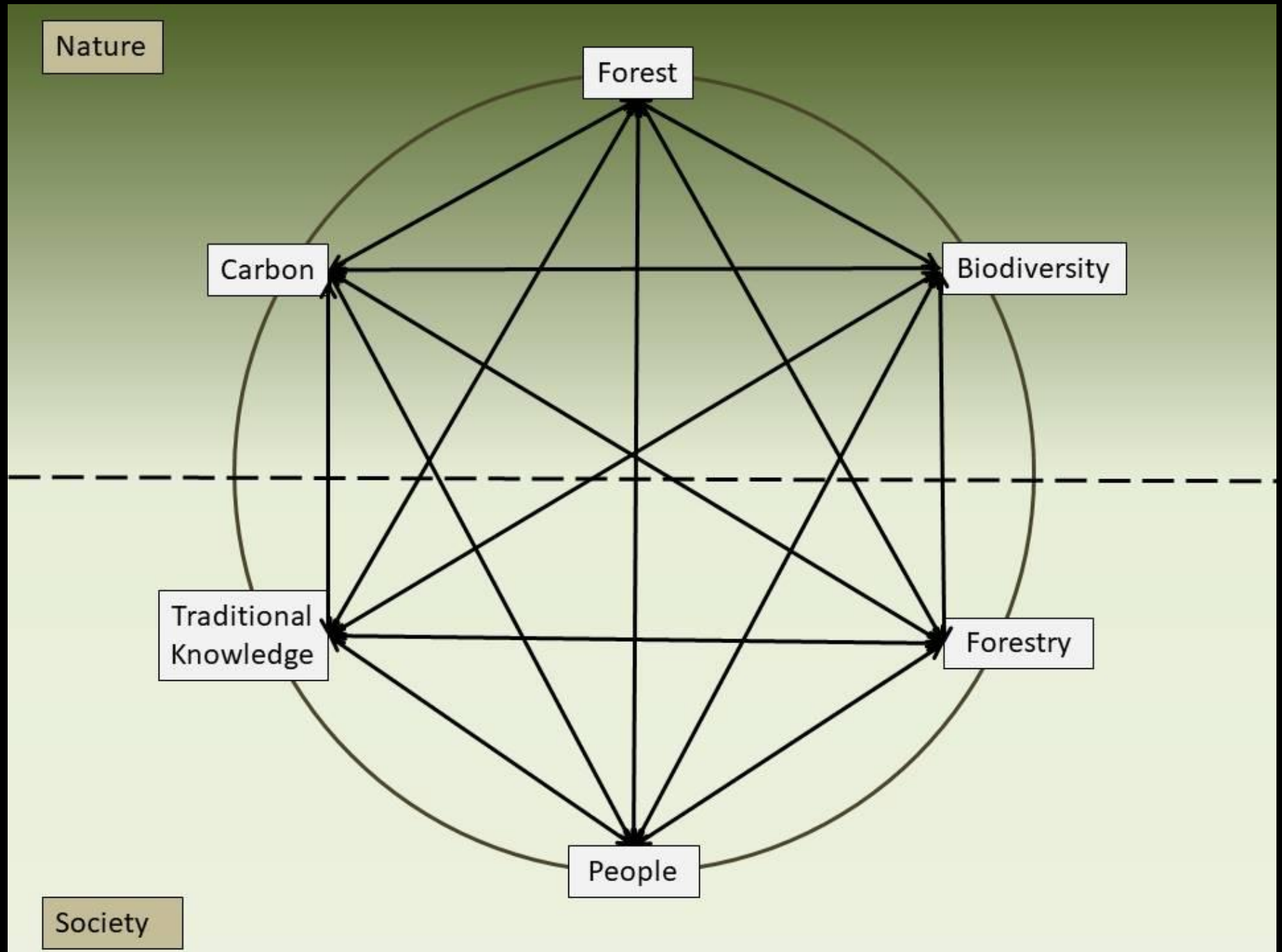
Biodiversity

Traditional  
Knowledge

Forestry

People

Society

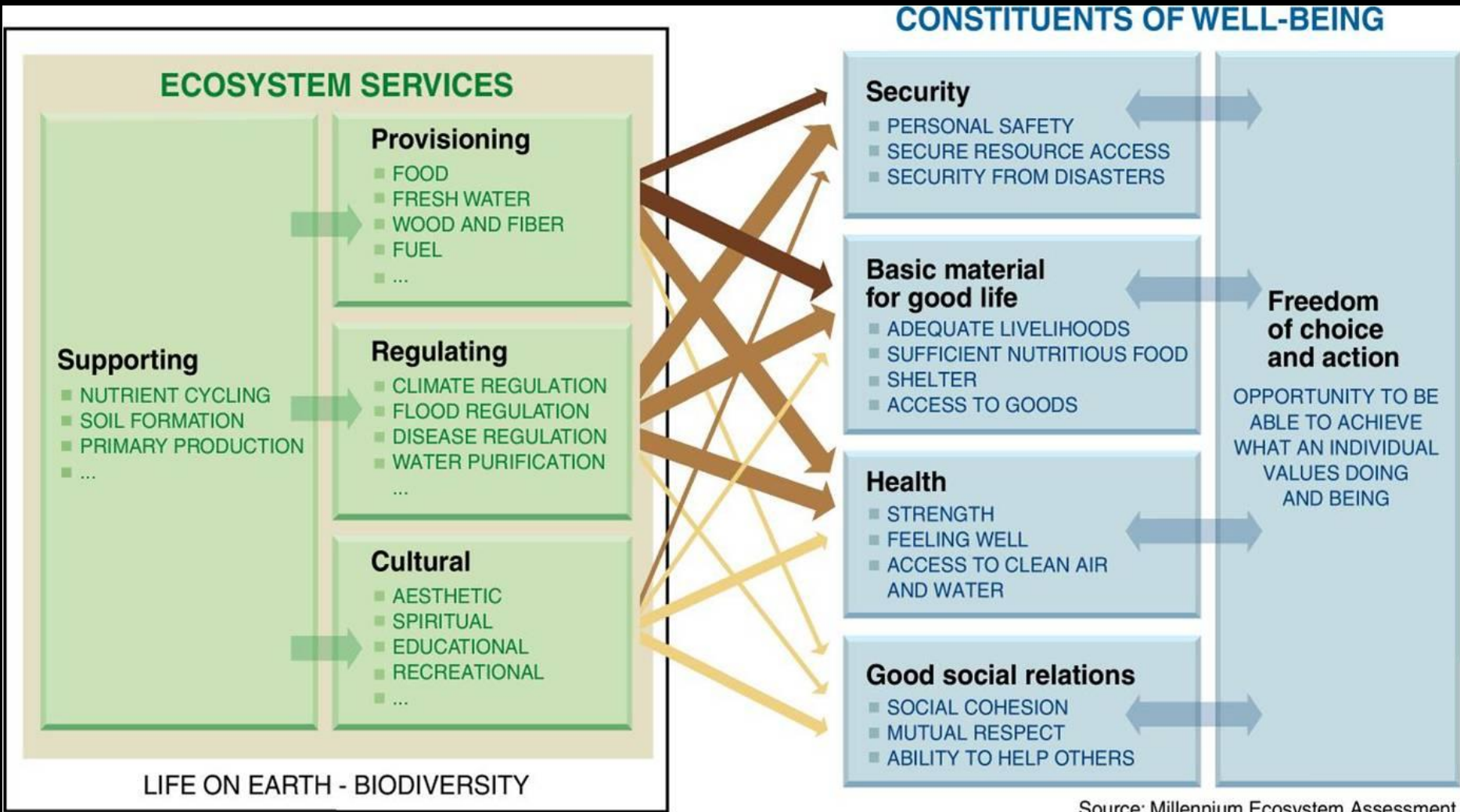


- Forests worldwide play a major role in supporting the quality of life of people worldwide by providing a broad array of environmental, cultural, social and economic goods and services.

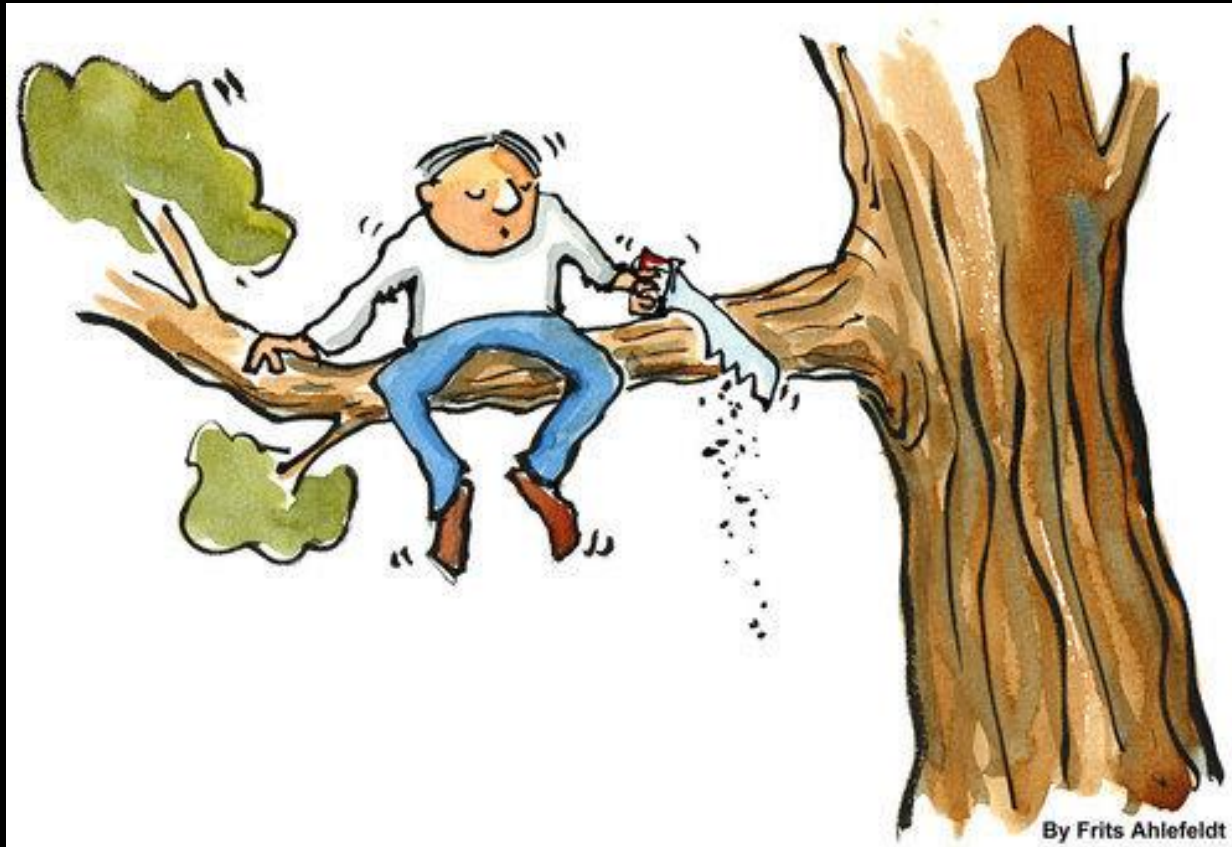




# Overview of forest ecosystem services (MEA, 2005)



Human demands on forests are increasing,  
deforestation and forest degradation are working  
against us....





Deforestation continues in many parts of the world, due primarily to land conversion for food, livestock production and industrial crops such as oil palm, mining, energy and industrial infrastructure development, and urbanization:





Forest degradation, less obvious but even more widespread, is reducing the capacity of forests to provide the goods and services demanded by the world's growing population.



## But there is some good news....

*01 MAR 2019:* The UN Decade on Ecosystem Restoration, declared today by the UN General Assembly, aims to massively scale up the restoration of degraded and destroyed ecosystems as a proven measure to fight the climate crisis and enhance food security, water supply and biodiversity.

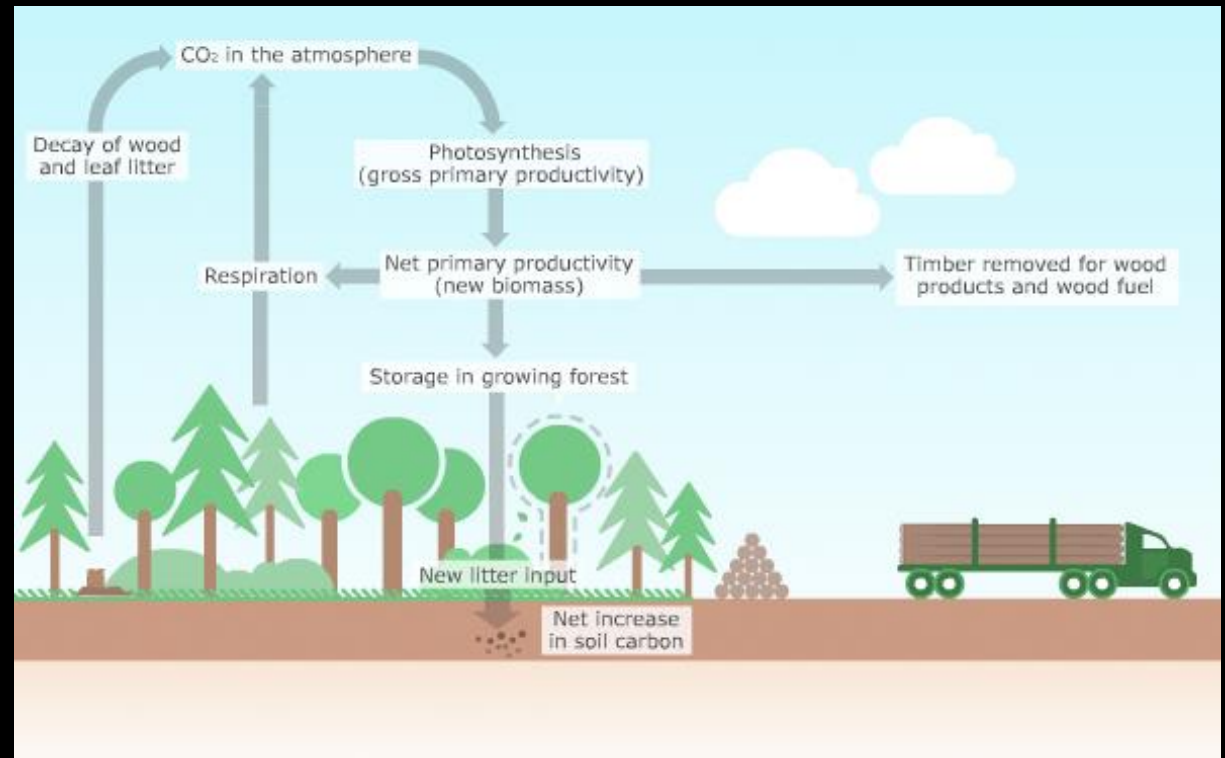




# SUSTAINABLE DEVELOPMENT GOALS



**Goal 13: Climate action:** "Take urgent action to combat climate change and its impacts by regulating emissions and promoting developments in renewable energy."



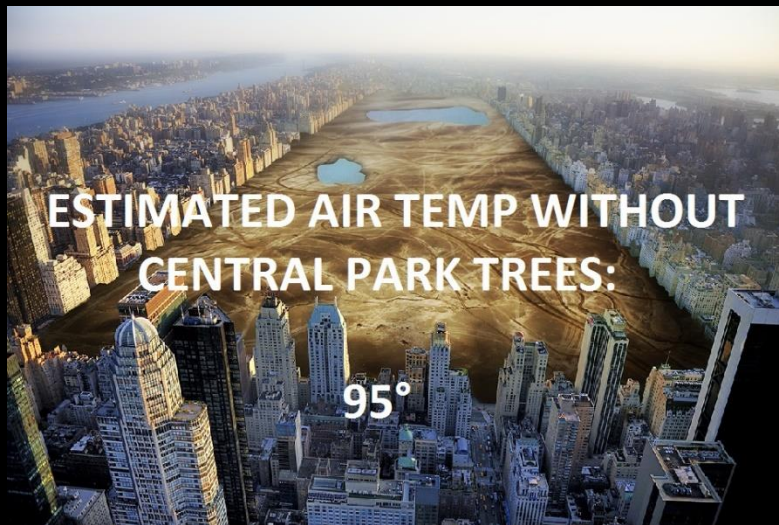


## Goal 2: Zero hunger: "End hunger, achieve food security and improved nutrition, and promote sustainable agriculture".



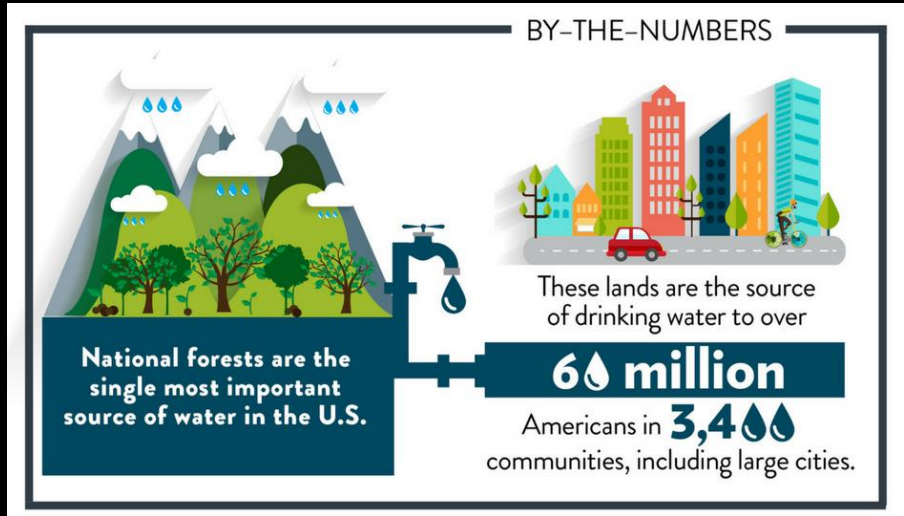


# Goal 11: Sustainable cities and communities: "Make cities and human settlements inclusive, safe, resilient, and sustainable."

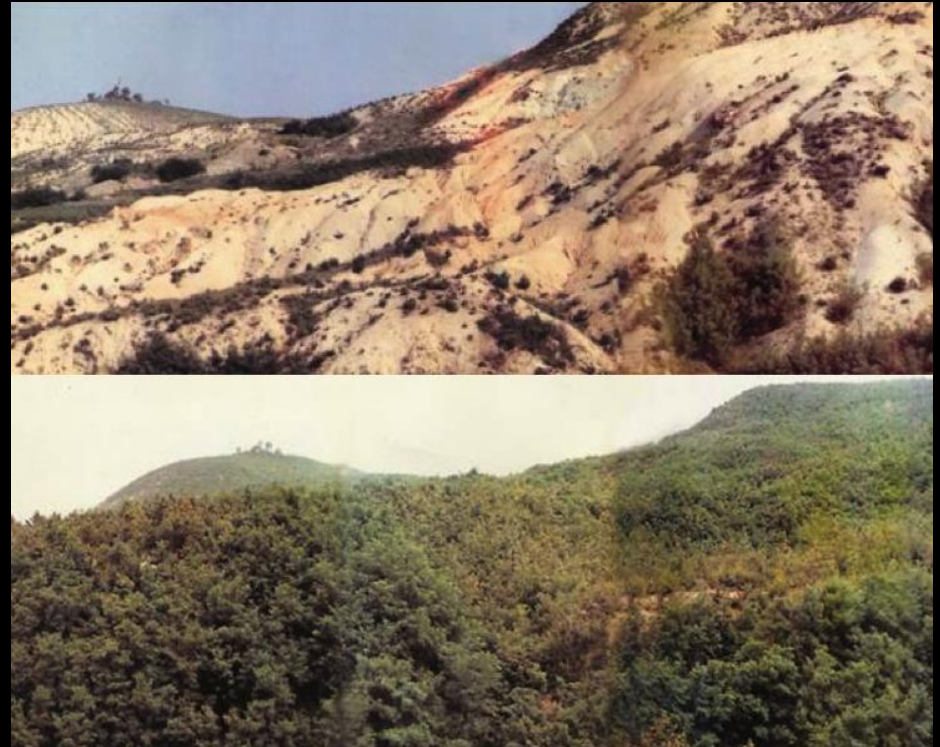




## Goal 6: Clean water and sanitation: "Ensure availability and sustainable management of water and sanitation for all."



**Goal 15: Life on land:** "Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss."





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- Greater emphasis is needed in both education and research to better understand these connections in different geographic, social and cultural contexts.
- While specialized work in traditional disciplines remains essential to the development of forest science, we must also look beyond the forest and work with other technical disciplines and with colleagues in the social sciences



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  - Public education, via traditional and social media
  - Focus on children and youth
  - Collaboration with civil society, community groups, and journalists
  - Engagement with decision-makers – e.g., land managers, business, and public sector agencies, as well as political leaders to better provide scientifically-grounded information that they can use.

Thank you for your attention  
Dziękuję za uwagę

