



# THE CARPATHIAN FORESTS

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By the law only 3% of the forests are  
free from the wood extraction

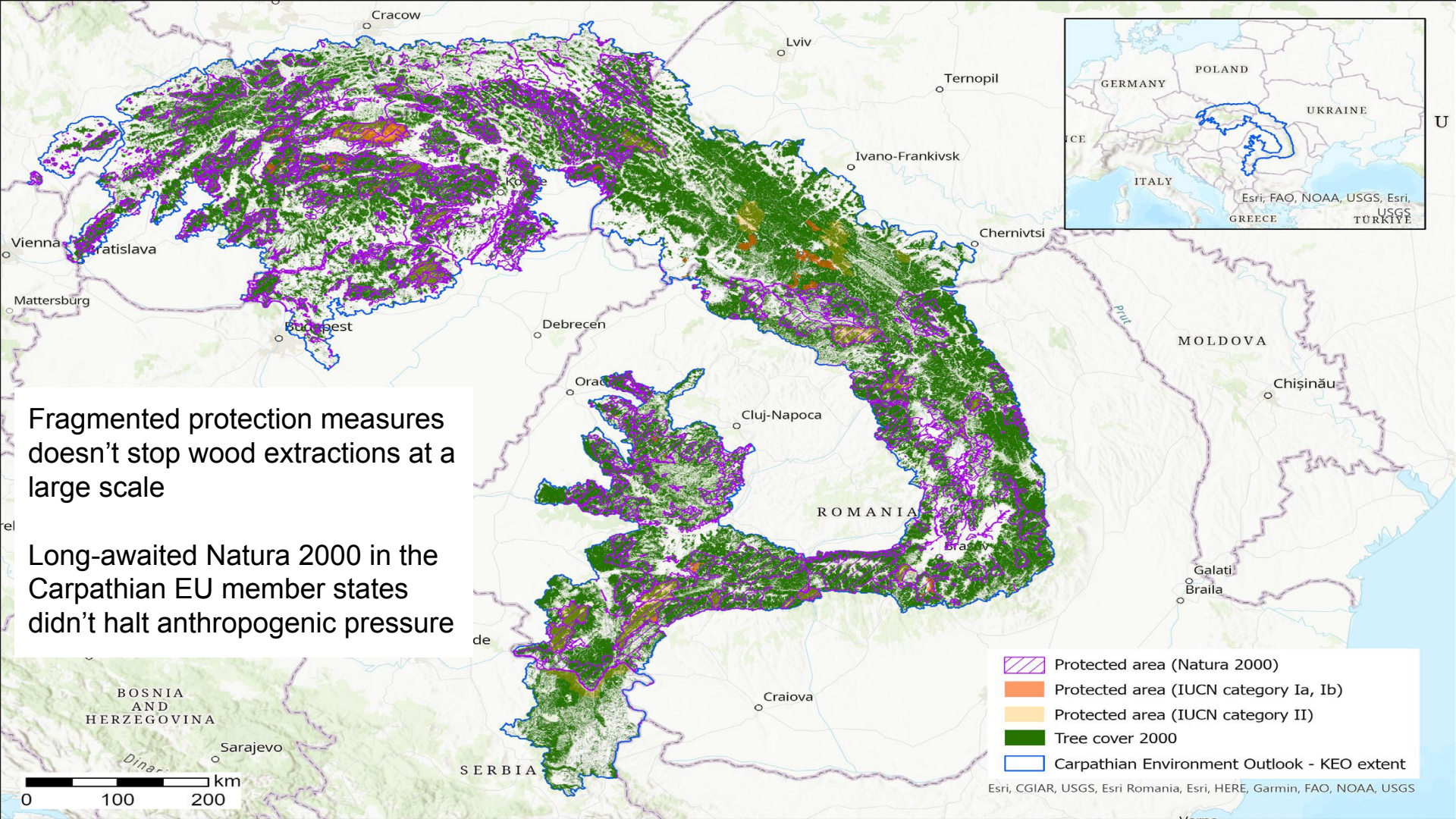
5 football fields / hour lost

Growing number of forestry roads  
altering fragile mountain ecosystem

Large areas of valuable forests  
are unmapped

KEO Documentation and methodology published as an [appendix to the report](#)





Fragmented protection measures doesn't stop wood extractions at a large scale

Long-awaited Natura 2000 in the Carpathian EU member states didn't halt anthropogenic pressure

Esri, CGIAR, USGS, Esri Romania, Esri, HERE, Garmin, FAO, NOAA, USGS

# IRRESPONSIBLE FORESTRY STANDS FOR

*maximum wood output regardless of biome health, ecological, climatic, and social imperatives. It is highly speculative, usually against functioning ecosystem and local rural communities and businesses that add maximum value to the wood products while preserving forests...*



**Logging in high elevation forests above 1000 meter of sea level**

**Extraction of remaining virgin, old-growth and other high conservation value forests** with all types of cuts leading to removal of trees and dead woods

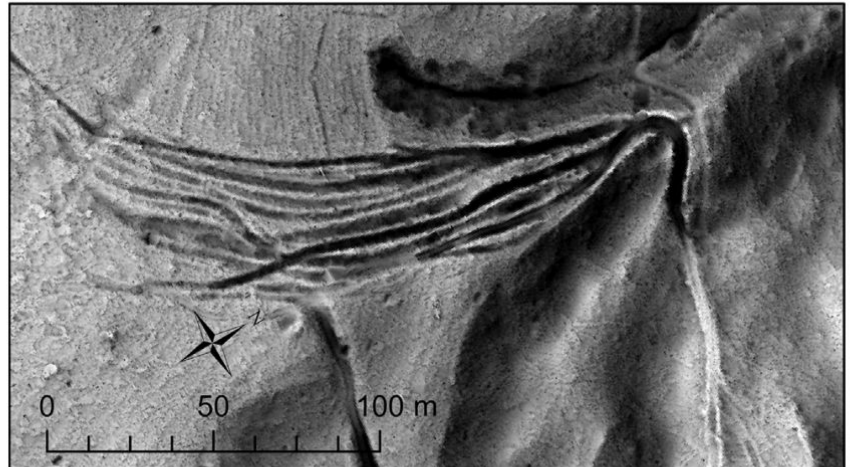
**New forestry roads that enters valuable forests or alters fragile mountain ecosystem**

## IRRESPONSIBLE FORESTRY BY EXAMPLE...

New forestry roads are built to extract wood from areas that would otherwise not be accessible.

The first research estimating the forestry road network in the Polish part of the Carpathians revealed the highest density ever reported in literature (108.5–140.7 m ha<sup>-1</sup>).

Affek, A.N. & Kowalska, A. 2017. Ecosystem potentials to provide services in the view of direct users. *Ecosystem services*, 26: 183-196.



**Fig. 7.** Traces of multiple parallel logging roads (DEM visualisation – Sky-View Factor; resolution: 0.5 m).

# IRRESPONSIBLE FORESTRY BY EXAMPLE...

## Site inspection on 4th of December 2022 in Romania

Wood extraction from the virgin forests has started with the construction of new logging road.

New road crosses 10 streams of different types.

Alters natural water flows and increase erosion. Cumulative impact to be seen with expected new skid rails that would follow logging at larger scale.

A number of protected and rare lichens and mosses has been spotted. Three of them marked on the trunk of the removed tree you can see at the photo. All of them are indicative species for primeval (virgin) Carpathian forests.

