EO services contributing to Biodiversity

Detection of invasive alien plant species trough EO data

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Target 15.1: Conserve and restore terrestrial and freshwater ecosystems; Target 15.5: Protect biodiversity and natural habitats; Target 15.8: Prevent invasive alien species on land and in water ecosystems

·**Users:** National environmental and nature protection Agencies and Ministries, managers of protected areas, public health institutions, Forest industry sector...

·**Challenge:** Detection of invasive alien plant species trough the use EO data processing and statistical analysis.

·**Initiative:** The initiative was to utilise the capabilities of Earth Observation, together with our professional background, and develop a system for near real time detection of several invasive alien plant species.

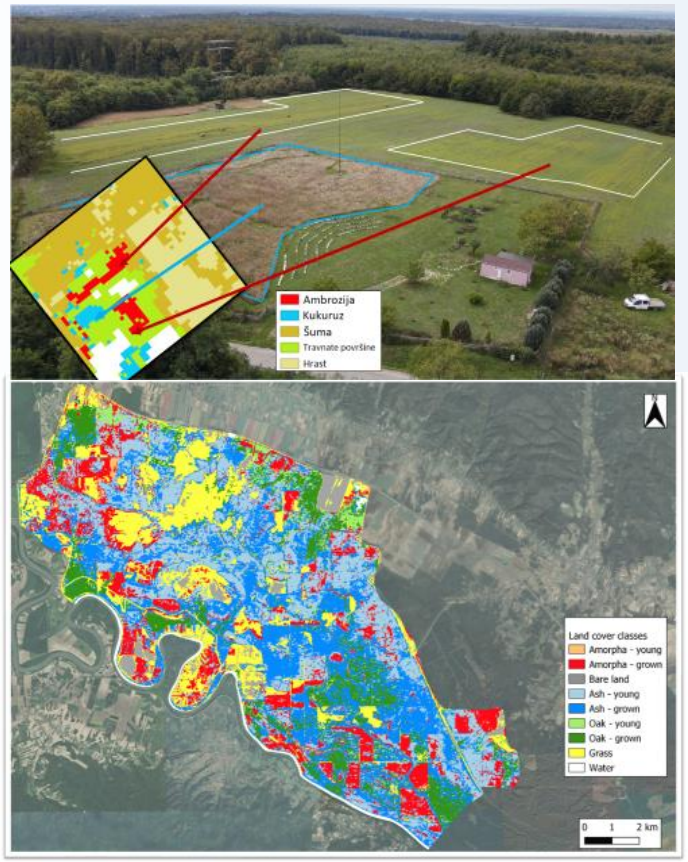
·**Results:** A robust and transferable model for the detection of two dominant invasive alien plant species in Croatia which are affecting flooding forest ecosystems, agriculture and public health. The service is being continuously developed and upgraded

·**Service provider:** Oikon d.o.o. – Institute of Applied Ecology (cooperation with the European Space Agency)

·**References:**

https://huszpo-konferencija.com/wpcontent/uploads/2022/10/ZBORNIK-SAZETAKA-2022-digitalna-verzija.pdf (page 190)

https://oikon.hr/esa-conference-new-capabilities-and-countries-in-european-space/



Detection of *Amorpha fruticosa* and *Ambrosia artemisiifolia* using EO data

EARSC
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