

- User: Public administration, forest governing bodies, sectorial Ministries
- Challenge/Needs: Extensive monitoring of the status of forest ecosystem in the Spačva basin, the largest pedunculate oak basin in Europe
- Initiative: Use of a wide spectre of EO systems (MODIS, Landsat8, Sentinel-2) and various *in situ* techniques to monitor the health and productivity of the forest ecosystem and to visualize the dynamics of the spread of Oak lace bug, an invasive species infesting and destroying oak forests in Europe.
- Results: Forest ecosystem monitoring study, data on the spread of invasive species and suggestions on the way to control the effect.
- Service Provider: Oikon Ltd. – Institute of Applied Ecology

Target 15.1: By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements.

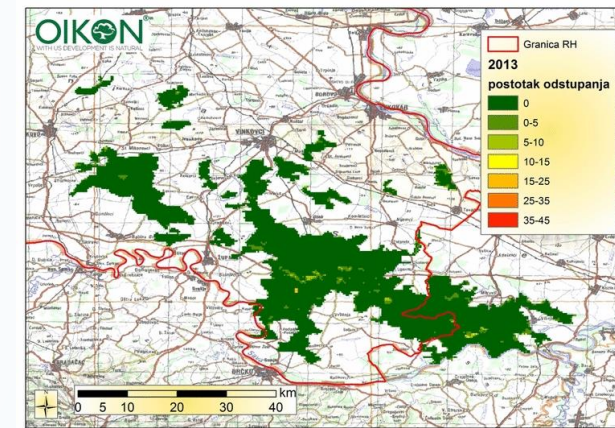
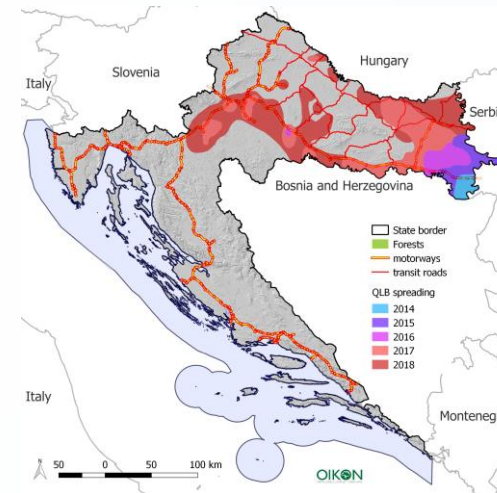


Figure: Routes of spreading of oak lace bug in Croatia (left), spread dynamics in the Spačva basin (right)