

Abstract EFGS 2018 Helsinki

Theme: International and national cooperation

Birgitta Olsson, Swedish Environmental Protection Agency,  
[birgitta.olsson@naturvardsverket.se](mailto:birgitta.olsson@naturvardsverket.se),

**National cooperation to create a Swedish National Land Cover Database**

Seven Swedish authorities cooperate to produce and maintain a new national land cover database. The project uses satellite data from the Sentinel-2 satellites and national databases. Methods were developed in an ESA-financed project, CadasterENV, <https://www.naturvardsverket.se/upload/sa-mar-miljon/kartor/cadenv-executive-summary-english-version.pdf>. Based on the promising results from CadasterENV and the identified needs from many agencies and other users the Swedish Environmental Protection Agency took the lead for a national cooperation with the goal to produce a national database and form an agreement for a continues maintenance of the information. The initial production phase is on-going and data for approximately 50% of Sweden is published as open data, a complete coverage will be ready in January 2019. The steering group has agreed that an updated version should be published every 5<sup>th</sup> year, responsibilities and financing still must be solved. A lot of use cases are identified and to some extent already implemented e.g. statistical calculations, analyses of ecosystem services, green infrastructure and fire risks. The presentation will focus on the national cooperation both related to the project performance, communication with user groups and the challenging work to set up the structure and cooperation for a sustainable maintenance of the database.