

VULNERABILITY ASSESSMENT OF ECOSYSTEM SERVICES FOR CLIMATE
CHANGE IMPACTS AND ADAPTATION (VACCIA)

ACTION 2: DERIVATION OF GMES-RELATED REMOTE SENSING DATA

DELIVERABLE 4: PROCESSED EO-DATA (EXTENDED GMES-PRODUCTS ON SNOW,
PHENOLOGY AND WATER QUALITY; DATA DELIVERY ALONG THE PROJECT FROM THE
VERY BEGINNING)

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PROCESSED EO-DATA (EXTENDED GMES-PRODUCTS ON SNOW, PHENOLOGY AND WATER QUALITY; DATA DELIVERY ALONG THE PROJECT FROM THE VERY BEGINNING)

VACCIA Action 2 deliverables 1-2 present the methods and data sets used to derive the "Indicator values estimated from derived time series". Results were provided for the end users in the deliverable 3 (31.12.2010). In addition, several other Earth Observation (EO) based data sets were provided for the other VACCIA actions. Requirements for EO data were specified in the early project with a short questionnaire survey targeted to the VACCIA Actions 5-13. Questionnaire defined remote sensing applications, areas and time periods of interest.

File size of EO based data sets are typically large and therefore a ftp-box was created for the data delivery. Gateway for the ftp-box was created via internet site where additional information and metadata related to the remote sensing applications were also provided (<http://wwwi4.ymparisto.fi/i4/fin/tietosivut/vacciaRsdata.html>). All the EO-data sets, graphs and documents provided during the VACCIA project are defined in Table 1.

Table 1. Processed EO-data sets that were provided according to the project plan or specific requests from the FinLTSER-sites.

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| 1. | VACCIA Action 2 Deliverable I: Time series of EO-data (http://wwwi4.ymparisto.fi/i4/fin%5Ctietosivut/vacciaRsData_deliverable1.html) |
| 2. | VACCIA Action 2 Deliverable II: Filtered and interpolated time series (http://wwwi4.ymparisto.fi/i4/fin%5Ctietosivut/VACCIA_A2_Deliverable2_filtered_interpolated_Time_Series.pdf) |
| 3. | VACCIA Action 2 Deliverable III: Indicator values estimated from derived time series (http://wwwi4.ymparisto.fi/i4/fin%5Ctietosivut/VACCIA_A2_DeliverableIII_indicatoryValues.pdf) |
| 4. | VACCIA Action 2 Deliverable IV: Processed EO-data (http://wwwi4.ymparisto.fi/i4/fin%5Ctietosivut/VACCIA_A2_DeliverableIII_indicatoryValues.pdf) |
| 4. | Processed FaPAR and LAI 8 day composites from Europe 2002-2009 (http://wwwi4.ymparisto.fi/i4/fin/tietosivut/vacciaRsData_FaPAR_LAI_EuropeGeotif.html) |
| 5. | High resolution NDVI mosaics from the years 2000 and 2006 based Image 2000 and 2006 resulted from Corine Land Cover projects (http://wwwi4.ymparisto.fi/i4/fin/tietosivut/vacciaRsData_ndvi.html) |
| 6. | EO based water quality estimates and interpolation analysis from Lakes Päijänne, Kitkajärvi and Lakes in Sotkamo area (http://wwwi4.ymparisto.fi/i4/fin/tietosivut/vacciaRsData_WQLakes_products.html) |
| 7. | Photochemical Reflectance Index (PRI) weekly composited from Europe 2001 – 2008 (http://wwwi4.ymparisto.fi/i4/fin/tietosivut/vacciaRsData_PRI_EuropeGeotif.html) |
| 8. | Estimation of the shares of green areas in three small urban drainage basins by using EO-data (http://wwwi4.ymparisto.fi/i4/fin/tietosivut/LahdenMetrop_viheraluetulkinnat.pdf) |
| 9. | Water surface temperature time series for Lake Päijänne (Paijanne LTER) (presented in the deliverable 1. of VACCIA Action/2) |
| 10. | Water quality time series from the areas of interest of WeIFIN FinLTSER site located at the coastal area of the Gulf of Finland (presented in the deliverable 1. of VACCIA Action/2) |