**Tree carbon stock map, 16m, 2017**

Tree carbon stock map describes the above ground and below ground carbon on forestry land. The map is based on segmentation of multi-source national forest inventory (MS-NFI) biomass maps. Satellite images are mainly from years 2017 – 2018. Detailed information on MS-NFI-2017 data sources is presented in working paper <https://jukuri.luke.fi/handle/10024/552462> , which also presents coverage areas of different satellite images. Older MS-NFI data was used in cloudy areas. Documentary is provided also in Paikkatietoikkuna <https://kartta.paikkatietoikkuna.fi/> and in Luke’s file service <https://kartta.luke.fi/index-en.html>. MS-NFI data source index map is provided in <http://kartta.luke.fi/>. MS-NFI-2015 data was used in determination of segment boundaries.

The values on the map are amount of carbon (10 kg C ha-1). Missing data is 32766 and non-forestry areas and background 32767.

Segmented biomass maps were converted to carbon stock map by factor 0.5. More detailed description on the method is presented in the research article. A difference to the description in the paper is that the data is MS-NFI-2017 instead of MS-NFI-2015.

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Resolution: 16\*16m
Coordinate system: ETRS89 / ETRS-TM35FIN (EPSG:3067)