**Map of tree carbon stock change, 16m, 2009**–**2015**

The map describes tree carbon stock changes between years 2009 and 2015 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 2009 and 2015. Detailed information on MS-NFI-2009 data sources is presented in working paper <https://jukuri.luke.fi/handle/10024/536180>, and for MS-NFI-2015 in working paper <https://jukuri.luke.fi/handle/10024/543826>. They also present coverage areas of different satellite images. 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 maps are 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 stock changes (10 kg C ha-1). Missing data is 32766 and non-forestry areas and background 32767.

Segmented biomass maps included above and below ground tree biomass and were converted to carbon stock map by factor 0.5. The carbon stock change is a difference between 2015 and 2009 maps. More detailed description on the method is presented in the research article.

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