

# GSEFM Forest Type Map: Product Sheet

## Product Description:

Maps where the forest class is sub-divided into several forest type classes

## Product properties:

Geometric accuracy	RMS error < 15 m for HR data with spatial resolution of 30 m
Map classes	<p>- <b>Option 1:</b> Forest Stratification for combined EO/NFI Products. <b>Forest Types Level 1:</b> Deciduous Forest, Coniferous Forest, Clearings</p> <p><b>Forest Types Level 2:</b> Within deciduous forest: 2-4 volume classes, within coniferous forest: 2-4 volume classes.</p> <p>This type of stratification is designed for central European forests. Other class definitions may be used for stratification in other ecological regions.</p> <p>- <b>Option 2:</b> Forest type map with Coniferous / Deciduous Species Mixture Classes Forest Types Level 1: Deciduous Forest, Coniferous Forest, Clearings</p> <p>- <b>Option 3:</b> Forest types for a basic forest GIS in central Europe Fir-dominated, Beech-dominated, Pine-dominated, Oak-dominated, Other; each of these classes separated in two age classes</p> <p>Further options for forest type maps, depending on regional conditions and requirements.</p>
Available class definitions	<ul style="list-style-type: none"> <li>- FAO standards definitions.</li> <li>- CORINE standard.</li> <li>- Customised user specific.</li> </ul>
Geometric resolution / spatial resolution	Pixel size 30m/ 20m / 15 m / 10m / 5 m depending on the optical EO data used.
Minimum mapping area	0.05 ha to 1 ha (depending on requirements)
Map projection	Standard formats and user specific formats available.
Data format	Standard raster data formats available (e.g. <a href="#">GEOTIFF GeoTIFF Format Specification GeoTIFF Revision 1.0</a> ). Complete coverage or user defined image blocks.

## Input data:

EO data	<p>Ortho-Images and mosaics of Landsat-5 TM, Landsat-7 ETM+, SPOT 5, IRS 1C/D (standard).</p> <p>Optional: Landsat ETM 7 (two data acquisitions in different years: target year plus previous year) increases accuracy in the range of 2 to 8 percent, depending on the regional land use and land use change characteristics.</p>
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**Optional additional or specific properties:**

High precision forest area map	Standard EO Data source: Spot 5 or IRS pan in combination with Landsat ETM or equivalent.
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