

# GSEFM Clear Cut Maps / Burnt Area Maps: Product Sheet

## Product Description:

Selective mapping of areas with severe changes.

## Product properties:

Geometric accuracy	RMS error < 15 m
Geometric resolution	Pixel size 30m/ 25m / 20m / 15 m / 5m depending on the optical EO data used. The pixel size of SAR based maps is 50 meters.
Minimum mapping unit	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.
Map classes	<p>Options 1: Clear cut map: recent clear cut; historical clear cuts with year of change.</p> <p>Options 2: Clear cut &amp; burnt area map: recent clear cut and burnt area historical clear cuts and burnt areas with year of change.</p> <p>Option 3: Additionally (to the classes of option 1 or 2) the clear cut areas may be differentiated by complete clear cuts and clear cuts with standards.</p> <p>Option 4: Additionally (to the classes of option 1 or 2) a heavily cut or harvested area class with a severely reduced canopy closure is added.</p> <p>Option 5: Additionally or solely storm damages may be mapped.</p>
Available class definitions	Customised to regional needs.

## Input data:

EO data	<p>Standard: Landsat ETM 7 (one) or equivalent.</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 spatial precision option	Standard EO Data source: Spot 5 or IRS pan in combination with Landsat ETM or equivalent.
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