



GLOBAL WILDFIRE INFORMATION SYSTEM (GWIS) NEAR REAL TIME² DETECTION

- Burnt areas³ 1 Jan – 10 Oct above Lat. 57N²
- Arctic Monitoring and Assessment Programme boundary
Source: [AMAP](#)

LANDCOVER

- Tundra
- Forest
- Continuous Permafrost
Source: [ESA-GlobPermafrost](#)
- Glaciers
Source: [NSIDC](#)
- Sea Ice
Source: [NOAA-NATICE](#) as of 7 Oct

COPERNICUS EMS ACTIVATION

- Area of Interest localization
- Arctic Circle
- International border

¹Each thermal anomaly represents a hotspot (active fire) detected by the Moderate Resolution Imaging Spectroradiometer (MODIS) instrument aboard NASA's Terra and Aqua Earth-observing Satellites. GWIS uses the active fire detections provided by the NASA FIRMS (Fire Information for Resource Management System). More info about these data on: [JRC-GWIS Active Fire](#)

²GWIS Near Real Time (NRT) is only based on thermal anomalies.

³Burnt area included in this map are only those from Lat. 57N degree. The information is based on the MODIS burned area product (MCD64A1) which provides burning and quality information on a per-pixel basis. More info on limitations and the use of these data on: [JRC-GWIS Burnt Areas](#).

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