



Enhanced situational awareness

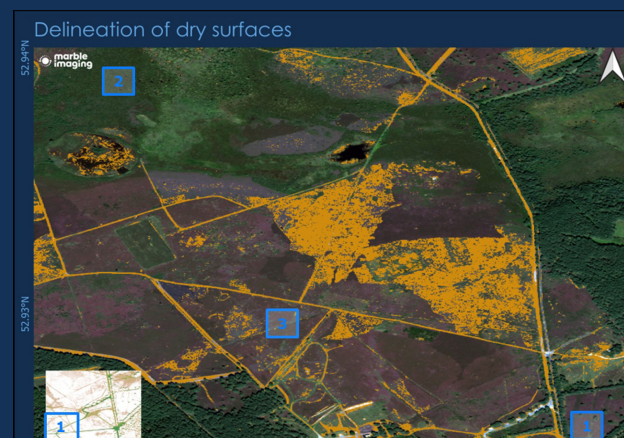
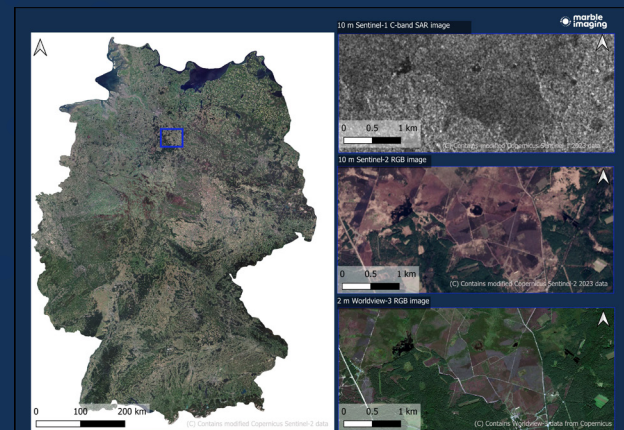
Our Earth Observation analytics support strategic and critical missions across:

- Disaster Management and Response
- Defense and Security
- Forestry and Logging Operations
- Precision Agriculture Operations and Food Industry

Terrain Trafficability Assessment

We help navigate tough terrains with increased confidence, enabling safer and more efficient movement in demanding landscapes for optimal route planning and decision making.

- **Rapid accessibility assessment** of areas impacted by disasters and crises using Earth Observation data, effectively improving the deployment of rescue equipment and emergency vehicles, supporting supply logistics and evacuation route planning
- **Multi-dimensional assessment of terrain properties** – such as soil type, moisture levels, land use/land cover, topography, vegetation density, and physical obstacles – to enhance performance of existing trafficability modeling frameworks
- **Estimation of load bearing capacity** ensuring suitable ground conditions for vehicle movement and operations, reducing risks of soil damage and compaction
- **Assessment of changing terrain conditions** to support planning of tactical and security operations in challenging landscapes such as off-road, undeveloped, wild and rural environments



Added value: Understanding trafficability reduces the risk of vehicles becoming immobilized in difficult environments, preventing delays and ensuring operational safety.