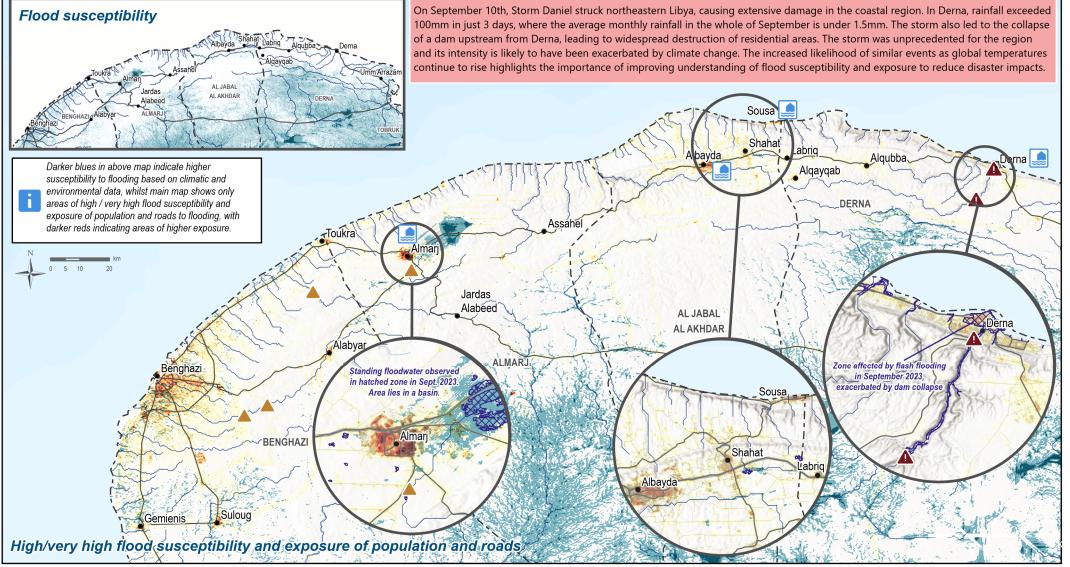
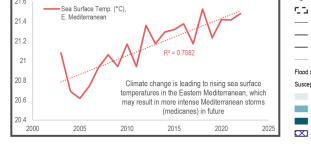
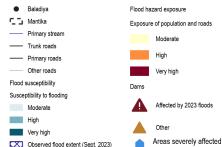
NORTHEAST LIBYA FLOOD SUSCEPTIBILITY AND EXPOSURE

Flood susceptibility and exposure of population and roads

For humanitarian purposes only Production date: 25 Oct 2023







by floods (2023)

Flood Hazard Exposure calculated based on overlay analysis as: Flood Susceptibility x (Flood Exposure /100), where: Flood Susceptibility = Topographic Wetness Index (30%) + Precipitation (15%) + Distance from primary channels (15%) + Distance from other channels (10%) + Land Cover (10%) + Soil Drainage (10%) + Elevation (5%) + Slope Angle (5%); and Flood Exposure = Population Density (85%) + Distance to major roads (10%) + Distance to other roads (5%).

Data sources: SRTM 90m DEM (Slope and Topographic Wetness Index derived in GIS); WWF HydroSheds streams; Africa Soil Grids Soil Drainage; ESA land cover; CHIRPS rainfall; Meta population density; OSM roads (2023); MODIS AQUA SST (2003-2022); observed flood extent (Copernicus).

Coordinate System:GCS WGS 1984 File: Libya_Flood_Risk Contact: reach.mapping@impact-initiatives.org

Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by REACH partners, associates or donors mentioned on this map.

