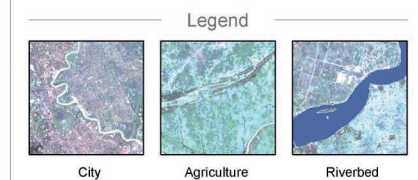
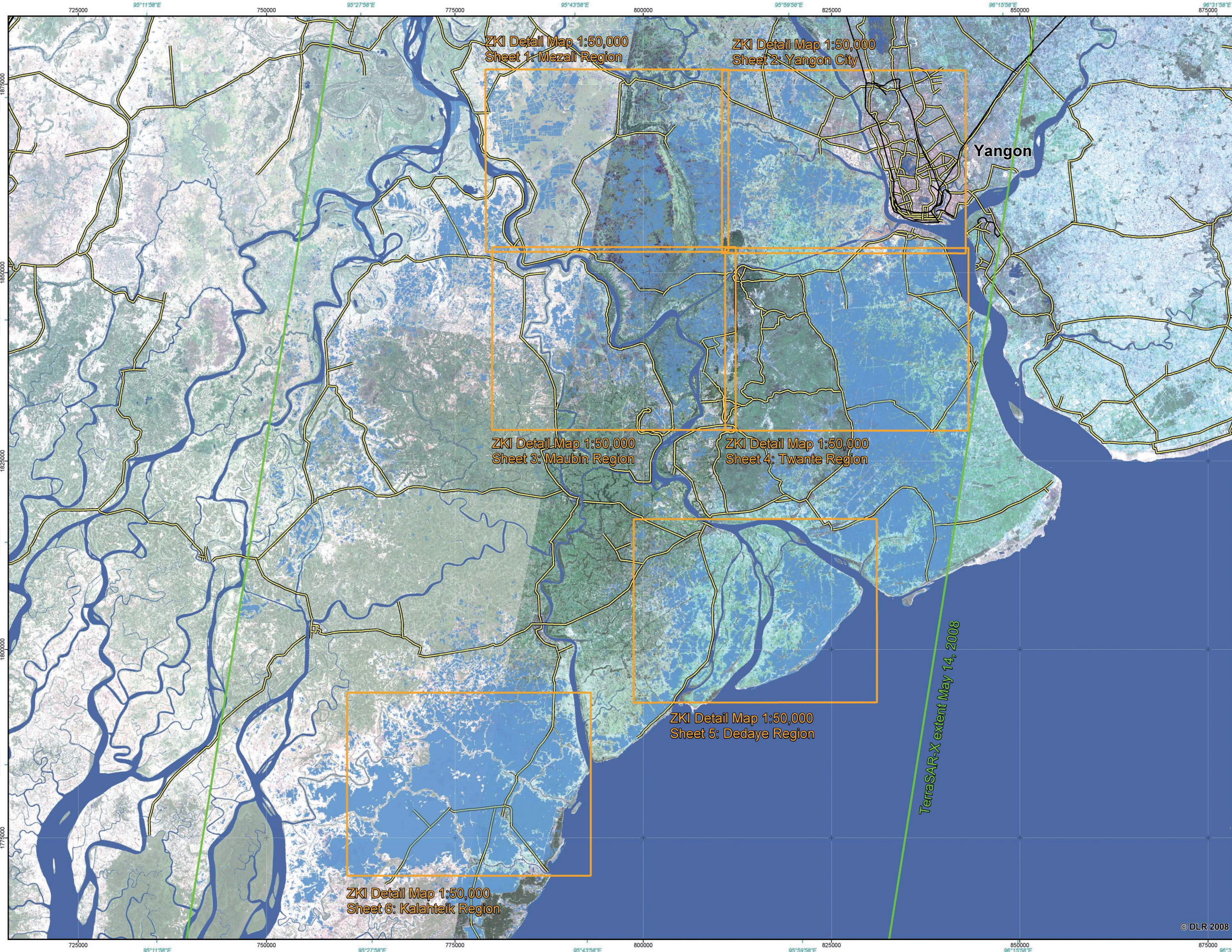
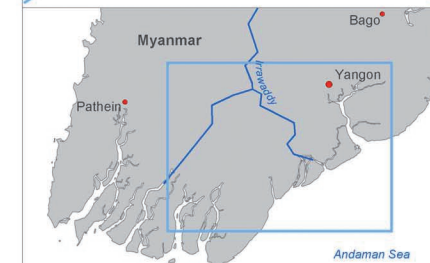


# Myanmar - Cyclone "Nargis" - Flood Extent from TerraSAR-X, May 14, 2008 - Overview Map

1:250,000



- Flood Situation:**
- Pre-flood water surface (November 7, 2000)
  - Flood water surface (May 14, 2008)
- Boundaries:**
- TerraSAR-X scene outlines May 14, 2008
  - Outlines of ZKI detail maps 1:50,000
- Infrastructure:**
- Roads
  - Railroads

**Interpretation**

On May 2nd, 2008 the tropical cyclone "Nargis" hit the coast of Myanmar southwest of the capital Yangon causing major damages.

On May 9th a first analysis of the flood situation derived from TerraSAR-X data acquired on May 6th was generated. This second analysis shows the inundated areas derived from TerraSAR-X radar satellite imagery of May 14th and the pre-disaster water level derived from LANDSAT-7 ETM of November 7th, 2000 around Yangon.

Due to heavy rainfall the water level did not change significantly within the 8 days between both images. As mentioned for the first analysis inundated areas may also contain regions which were covered by water before the disaster due to the prevalence of wet-rice cultivation. The results are superimposed on LANDSAT-7 ETM imagery of November 7, 2000.

**Scale**

0 5 10 15 20 km

Scale: 1:250,000 for DIN A1 printing

**Reference coordinate system:**

Geographic coord. info:  
 Projection: UTM Zone 46 N  
 Spheroid: WGS 84  
 Datum: WGS 84

**Data Sources**

LANDSAT-7 ETM © USGS 2000  
 TerraSAR-X © German Aerospace Center (DLR) 2008  
 Commercial exploitation rights:  
 inoterra

Vector data © Vmap (Towns/Villages), MIMU/WHO (Health Facilities, Boundaries), KEYOBS (Settlements) and derivation from LANDSAT-7 ETM (Roads, Railroads)

**Processing/Analysis**

Image processing and map creation by DLR:

- Derivation of flooded areas from TerraSAR-X
- Derivation of normal water levels from LANDSAT-7 ETM imagery of 2000
- Roads digitized from LANDSAT-7 ETM imagery of 2000

Map created May 16, 2008 by ZKI@DLR.DE  
 The map was created in cooperation with RESPOND.