Mali ECHO 2014 activities
Emergency Response Coordination Centre (ERCC)
– DG ECHO Daily map | 13/11/2017

**IRAQ**

*Recent seismic activity in the area* > 4.5 M

Source: GDACS, USGS, CRED - EMDAT

**History significant earthquakes in the area**

- M 6.6, 26 Dec. 2003
  - Deaths: 26,797
- M 7.4, 21 Jun. 1990
  - Deaths: 40,021
- M 7.4, 16 Sept. 1978
  - Deaths: 25,045
- M 7.1, 1 Sept. 1962
  - Deaths: > 12,000
- M 7.4, 31 Aug. 1968
  - Deaths: 10,038

**Recent seismic activity in the area** > 4.5 M

- M 7.3, depth: 23 km, 12 Nov. 2017
  - Approx. 400 mostly in Kermanshah province (Iran)
  - > 6,000 mostly in Kermanshah province (Iran)
  - > 500 in Iraq
  - > 70,000 (in Iran)

**Modified Mercalli Scale (MMI)**

- VII (Very Strong)
- VI (Strong)
- V (Moderate)

**Moment Tensor**

*Moment tensor is a mathematical representation of the movement on a fault during an earthquake that shows a visual illustration of the focal mechanism derived from the estimated moment tensor. The shaded areas show quadrants of the focal sphere in which the P-wave first-motions are away from the source. The form of the 'beach ball' as illustration of the moment tensors allows to understand if an earthquake was characterized by a more horizontal or more vertical movement and this has an influence on the potential damage on the surface. For more information please visit USGS.*

**Forshocks and Aftershocks within 150 km > 4.5 M** (Source: GDACS)

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