

Vulnerability assessment

Vulnerability indicators

- Socio-economic
- Health
- Coping capacity

Domain vulnerability

- Equal-weight
 - PCA
- Composite vulnerability

Impact assessment

Affected population
(forecast and satellite)

Averaged vulnerability of
affected population

Spatial dataset

- Flood forecast
- Satellite inundation
- Population data

Observed flood
impacts record
(August 2017 event)

Validation