Republic of the Marshall Islands

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Where is the Marshall Islands?
Aerial View – Urban Centers

Figure 1.1  Aerial view of the two islands of Ebeye (left figure) and of the DUD (Delap-Uliga-Djarrit) main population centre of the island of Majuro (right figure).
Critical Infrastructure
Drought 2013
King Tides

March 04, 2014

July 06, 2015

March 09, 2016
Disaster Risk = Exposure X Vulnerability

- **EXPOSURE (natural hazards)**
  - Tropical cyclones
  - Droughts
  - Sea-level rise

- **Vulnerability / Inability to Cope**
  - Low literacy rate among women and children
  - Poor health
  - Poor living standards
Climate Risks

• Sea Level Rise → potentially lead to more severe inundation events
• Increase Sea Surface Temperatures → Frequent and intense storm systems associated with (ENSO)
• Prolonged Droughts – El Nino Southern Oscillation (ENSO)
Climate Risks

\[(\text{Exposure} \times \text{Vulnerability}) \times (\text{Climate Change})\]

\[\text{OR}\]

\[(\text{Disaster Risk}) \times (\text{Climate Change})\]