

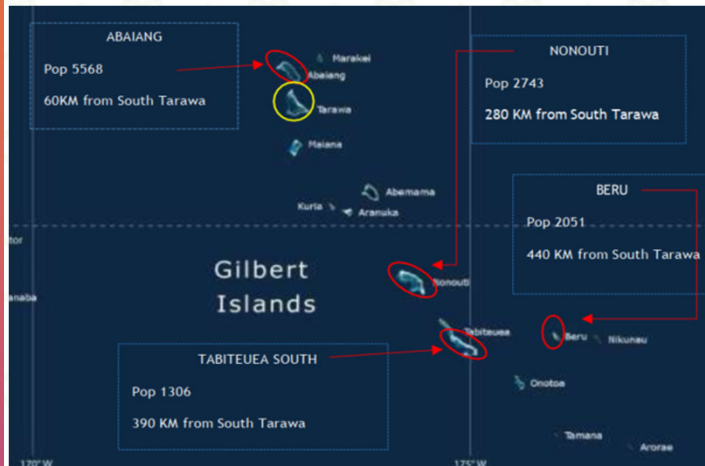
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# Kiribati

## Health & Safety Snapshot and case Studies

# Case Study One – KOITIIP



- Project: Kiribati Outer Island Transport Infrastructure Investment Project (KOITIIP)
- **Aim:** To improve the connectivity, safety, and climate resilience of maritime transport infrastructures on four selected outer islands of Kiribati.
- **Key Components:**
  - Hydrographic survey (inform locations of AtoNs (safe boats passages) and Maritime Facilities)
  - Construction of Maritime Facilities and rehabilitation of causeways
- **Challenges related to Health and Safety (including SEAH)**
  - Limited or poor access to emergency services due to remoteness of the Project islands
  - Lack of proper port infrastructures on the project islands which led to unsafe transfer of cargoes from ship to shore
- **Outcome**
  - **Expensive survey work:** The Hydrographic Survey Contractor has no other option but to charter a vessel throughout the duration of the survey that provides accommodation, office, food supplies, and medical services to the survey team
  - **Use of Landing Crafts,** which are limited in number in Kiribati and will always result in project delays, to transport heavy equipment to the remote project outer islands

# Photographs - KOITIIP



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## Case Study Two— KIRIBATI



- » South Tarawa Water Supply Project (STWSP)
  - **Aim:** Providing climate resilient water infrastructure in South Tarawa.
  - **Component:** GDW 1 – Building two desalination plants and two borehole fields in Betio and Mackenzie Bikenibeu.
- » **Issues: UXO**
  - Limitations on UXO clearance were accepted
  - Lack of national capacity to deal with UXO issues.
- » **Outcome**
  - High risk toward contractors and surrounding communities.
  - Delaying the project timeline.

# Photographs – STWSP

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## Photographs - STWSP

**BETIO**

Betio bulk water storage tank

Betio desalination Plant site

Product water pipeline

500 metre



## Case Study Three— KIRIBATI



- » South Tarawa Renewable Energy Project. (STREP)
- » **Aim:** Transition Kiribati to a climate resilient solar photovoltaic generation and a battery energy storage system.
  - **Component 1:** Solar photovoltaic and battery energy storage system installed.
- » **Issues: Community and Land.**
  - Communities' interventions
  - Land boundary disputes.
- » **Outcome**
  - Project delaying in timeline
  - Altercations between locals, the project and the contractors.

# Photographs - STREP



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# Country specific H&S Challenges – KIRIBATI



- » Geographical-led Challenges:
  - Remoteness & Limited space
  - Transportation difficulties.
  - Atoll Islands Topography and geological formation – surrounded by fringing reef .
- » Sectorial Challenges:
  - Community Opposition and intervention
  - Land boundary disputes
  - Absence of National standards for handling of UXO.
  - Lack of Capacity & Resources – capacity/human resource, facility/tools.
  - Prolonged review and approval processes
- Other country challenges:
  - Vulnerability to Climate change.

# H&S Opportunities/Solutions – KIRIBATI



- » Geographical based Solutions/Opportunities
  - Sustainable infrastructure for emergency responses.
  - Professional land surveys – technological solutions opportunities
- » Sectorial based Solutions/Opportunities
  - Community and social development
  - Improving legislations/guidelines
  - Capacity building Training/ Internships.
  - UXO standard and capacity training.
  - Resources / tools
- » Other country specific Solutions/Opportunities
  - » Climate change adaptation

# Country specific H&S Challenges – KIRIBATI



## » Burning Questions

- Would it be possible for ADB to support the following;
  - The development and implementation of national standards to deal with UXO issues?
  - The South-South cooperation – exchange program to learn from other islands lessons on Maritime Infrastructure projects?
  - Provide support on technological solutions (land surveys, marine quality surveys, etc)
  - The drafting/development of national OHS regulation?
  - In-country workshop on procurement – health and safety?
- What is the status on ADB's procedure/guideline on Human Remains?