Building resilient infrastructures in small atolls

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GOAL: The physical infrastructure required to establish an enabling infrastructure that contributes to the resilience of our people from the impacts of climate change and natural disasters is established.

- Infrastructure development is fundamental to resilience development in atolls. It strengthens the enabling environment to allow economic growth and resilience development.
- Infrastructure has multiplier effects – it create jobs, facilitate services engagement, and support adaptive capacity.
Tuvalu Infrastructure Investment Plan

• Infrastructure Plan prioritises climate change, economic, and social infrastructure vital for Tuvalu’s sustainable development

• Prioritisation methodology
  • Strategic alignment to the National Strategy for Sustainable Development
  • Timing to confirm the investment is required for the next 5 years
  • Clarity of scope to confirm the project is at a point that warrants prioritisation

• Criteria groups:
  • Climate change/environment = 30%
  • Economic = 20%
  • Social = 30%
  • Project sustainability = 20%
Challenges of climate change on infrastructure

- Atoll countries expose to high risks, that destroy existing infrastructures. Intensive tropical cyclones has significantly destroy infrastructures in Tuvalu;
- Environmental conditions that deteriorate physical infrastructures;
- Governments are required to invest in resilient infrastructures, which are normally very costly to small economy;
- The need to revised policies and legislations to foster community resilience and sustainable development;
- Investments in information and telecommunication (ICT) infrastructures to better facilitate trade and service delivery.
Role of infrastructure in improving resilience and sustainability

- Building Code to guide the planning, designing and construction of infrastructure
- Build back better – ensuring infrastructure are resilient to climate change impacts
- Infrastructures can facilitate economic recovery and create employment in the community
- Better coordination of proposed investments and approaches between development partners and the private sector
- Institutionalise the strengthening of skills relevant to construction and maintenance of infrastructure to address skill gaps
Thank you for your attention