



**ENGINEERS
WITHOUT
BORDERS /NZ**

Nga Kaihanga Kore Here O Aotearoa

CAPACITY DEVELOPMENT AND WATER SECURITY FOR KIRIBATI

SCOPING SOLAR DISTILLATION IN TARAWA

India Eiloart – EWBNZ and WSP Opus



Kiribati

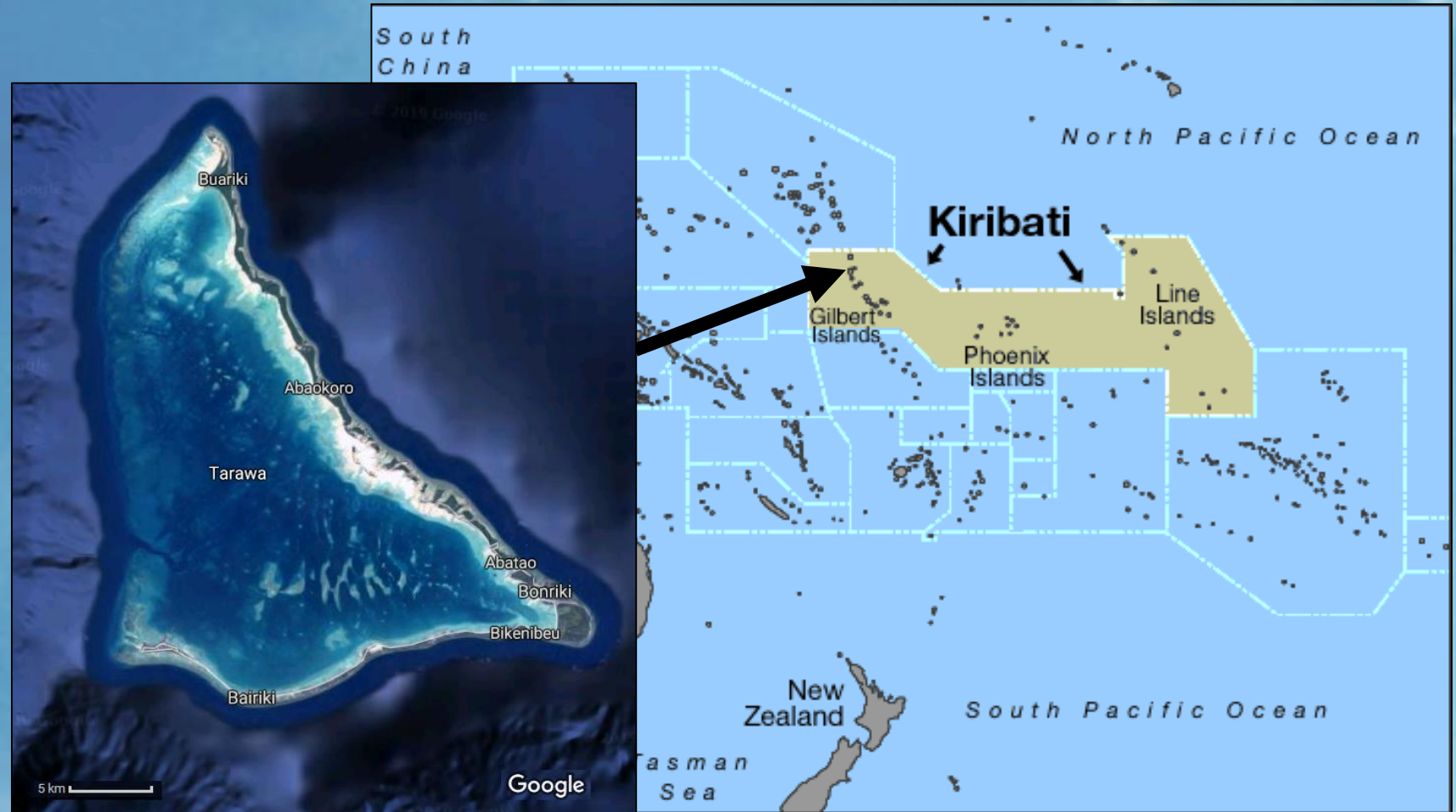
33 island atolls

across

3.5 million km²

with just

0.2% land area



Maps from www.climate.gov.ki/about-kiribati/ and Google



Kiribati

Highly populated

Low elevations on small atolls

Increasing risk of drought and coastal inundation



Tarawa Solar Distillation Water Supply Project

Scoping risks and partnerships

Establishment using contract management

Monitoring use and suitability within communities



Solar Distillation Carocell Technology

F Cubed Carocells

Simple concept
and modular unit

Testing household
and community
scale

Local supplier



Capacity Development

Partnership
Capacity
Development

Contract and
Project
Management
Skills

Local engineering
sector knowledge
and experience



Conclusion

Community focus
for technology

Contract
Management
Capacity
Development

Scoping component
essential

Implementation
phase next



Acknowledgements

Kiribati Ministry of
Infrastructure and
Sustainable Energy

The Pacific
Community (SPC)

Volunteer Service
Abroad (VSA)

Ministry of Foreign
Affairs and Trade
New Zealand Aid
Programme

