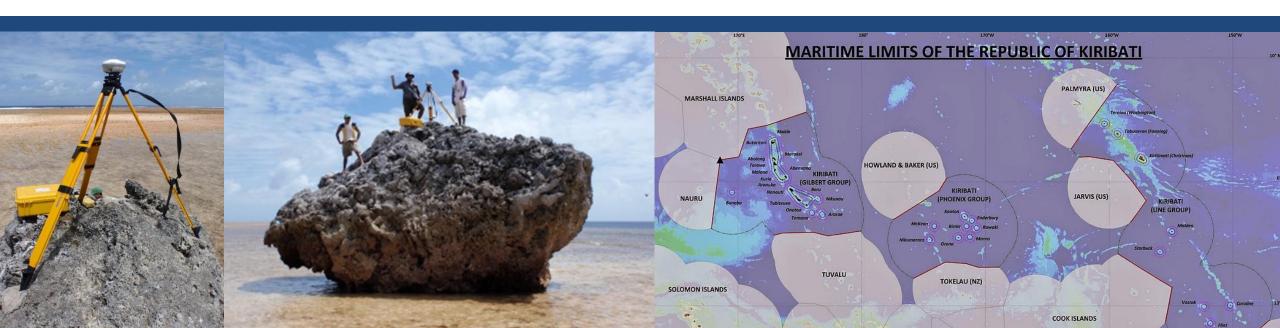
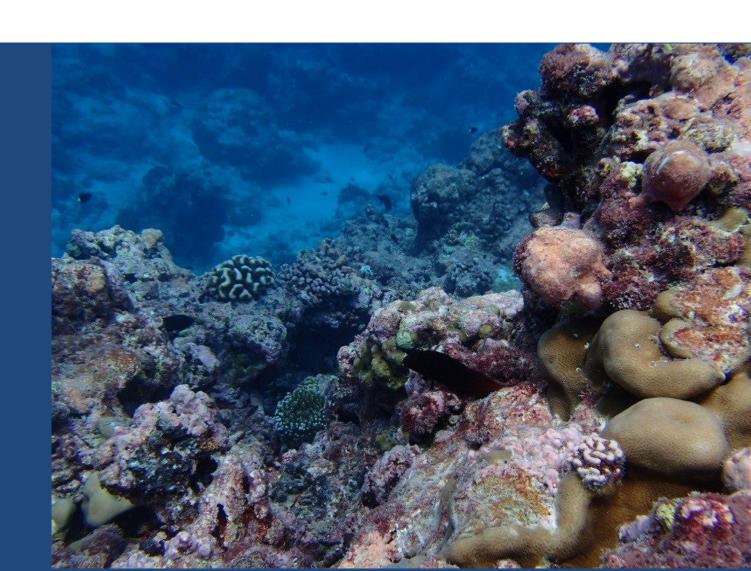
Tion Uriam
UN GNSS Workshop, Suva, Fiji, 2019

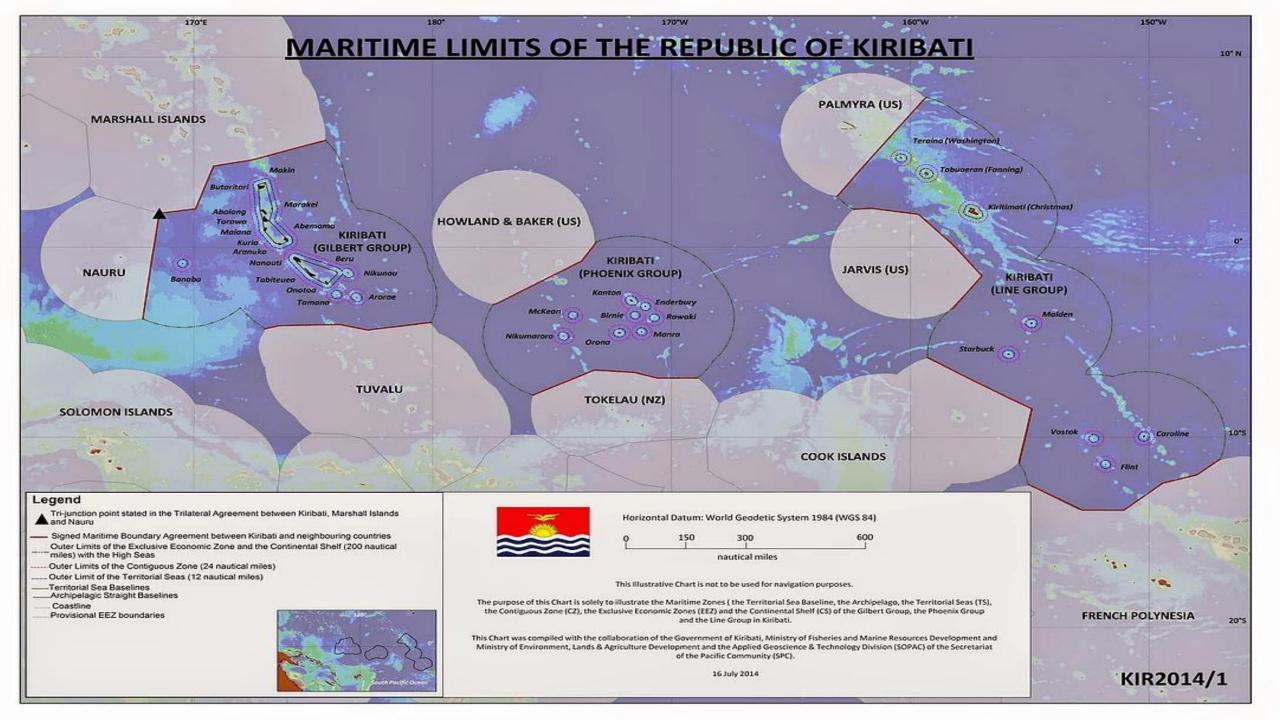
THE KIRIBATI MARITIME BOUNDARIES PROJECT



OUTLINE

- Where is Kiribati?
- Background
- Method
- What remains to be done
- Outcome
- Conclusion
- Questions



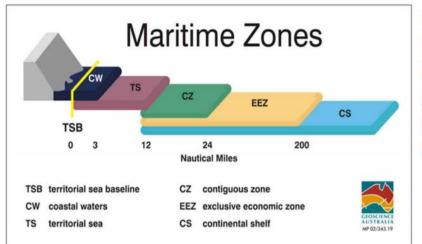


BACKGROUND

- UNCLOS
- Baselines
- Maritime Limits
- Regional program (run by SPC) for developing maritime boundaries

UNCLOS and Maritime Boundaries



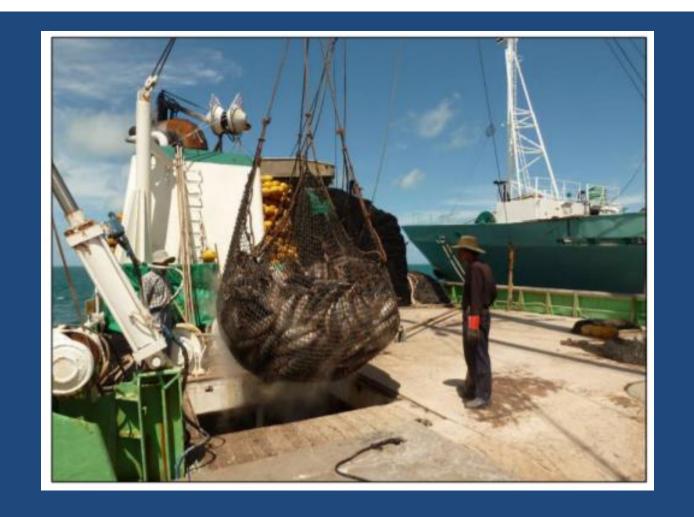


Geoscience Australia, "Maritime Boundary Definitions" retrieved December 8, 2013, from http://www.ga.gov.au/marine/jurisdiction/maritime-boundary-definitions.html

- One of the major features of the UNCLOS Is the definition of a number of jurisdictional zones.
- These zones refer to an <u>area of ocean</u> in which the coastal state has specific rights relating to the seabed, the subsoil, airspace and the water column

BACKGROUND

- Kiribati got involved around 2007
- Kiribati makes much of its earnings from Fisheries Licenses
- Has one of the largest marine resserves in the world



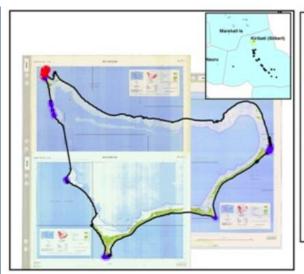
METHOD

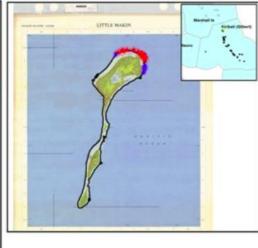
1. LEGAL

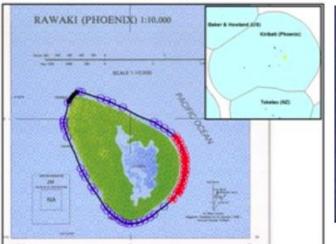
- Updated our Marine Zones Act the current definition of the sea baselines and maritime zones

2. TECHNICAL

- Derive baselines
- Compute technical solutions for shared boundaries
- 3. ADMINISTRATIVE









Historical data







Tide Gauge





Tarawa

WGS84 datum for

Aranuka

1970's Aus. doppler Surveys and DOS Surveys

(WGS72, WGS84 datum)



South Pacific Ocean

Nonouti

Tabiteuea

Beru

Nikunau

Onotoa

Tamana

Arorae

METHOD

- Acquired new satellite imatery
- We needed to be convinced that the imagery was of good positional accuracy
- Conducted GNSS Surveys for 7 islands
 - Established new survey marks
 - Occupied existing benchmarks
 - Collected Image reference points



RESULTS

- Processing of the GNSS survey data was done mostly by SPC
- 5m residuals
- Fit the purpose of the project



OUTCOME

- Derived our territorial sea baselines
- Computed our outer limits
- Able to move forward with our shared boundaries negotiations and treaty signings





OUTCOME

Milestone: Signing of the 7 Bilateral Communauté du Pacifique Maritime Boundaries, 2012 Forum Meeting









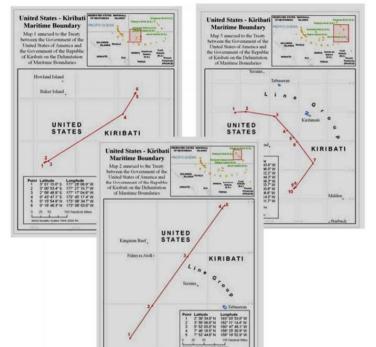




KIRIBATI -NAURU-MARSHALL IS

Signing of the Kiribati and USA

Maritime treaty, Forum Meeting, 2013



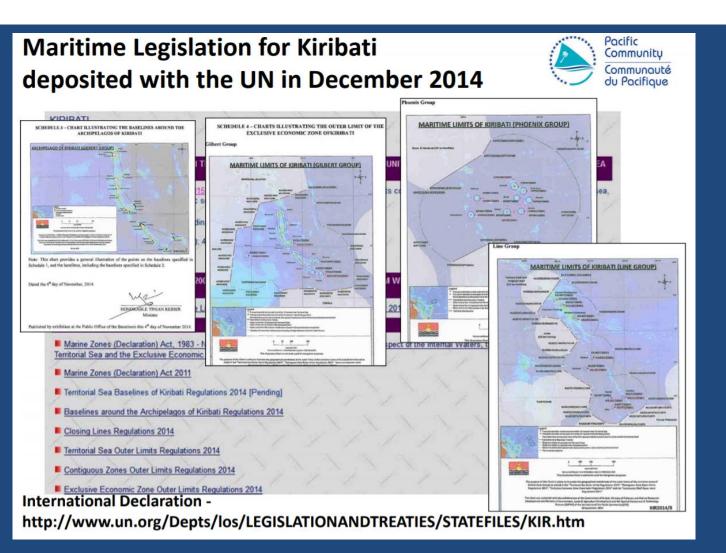


Pacific

Community

Communauté du Pacifique

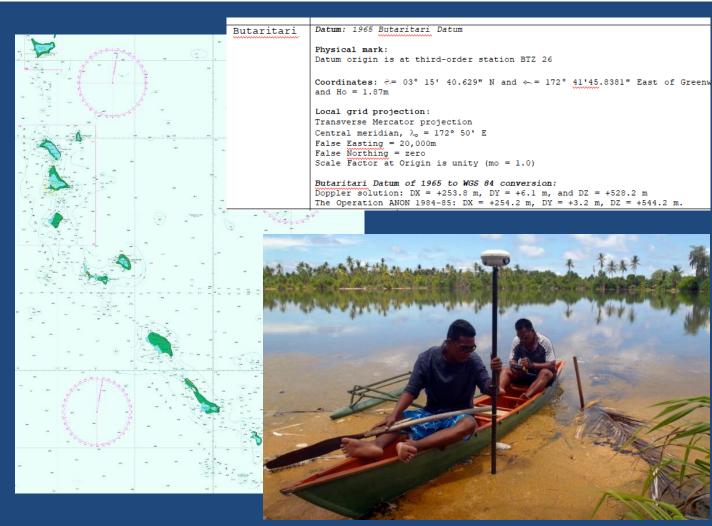
OUTCOME



- Reaping the benefits
- By knowing our jurisdiction we have had successful prosecutions of vessels fishing illegally
- Effectively managing our marine space

WHAT REMAINS TO BE DONE

- Our island's are still on legacy datum
- We still need to update our nautical charts and maps
- Information surrounding the islands datum are disjointed why hasn't there been any efforts to consolidate all of this information?
- We still need to improve improve our current capacity



WAYS FORWARD

Seek regional and international assistance

Develop National Action Plans and Stretegies Training and capacity building





CONCLUSION

- The Model that was used for the Regional Maritime Boundaries Project, is something I believe we can learn from with regards to our efforts to address the following:
 - a. Modernising of our country's geodetic datum
 - b. Capacity building
 - c. Raising awareness
- Requires commitment of funds, resources, time and expertise



REFERENCES

- Pictures: Courtessy of Andrick Lal
- http://star.gsd.spc.int/meeting_docs/presentations/Session2b-4_Outer%2olimits%2oof%2omaritime%2ozones_ArtackE.pdf

QUESTIONS

Kam bati n raba' (Thank you all)