

15th Conference of the South West Pacific Hydrographic Commission

21-22 February 2018
Nadi, Fiji



Satellite derived bathymetry (SDB)

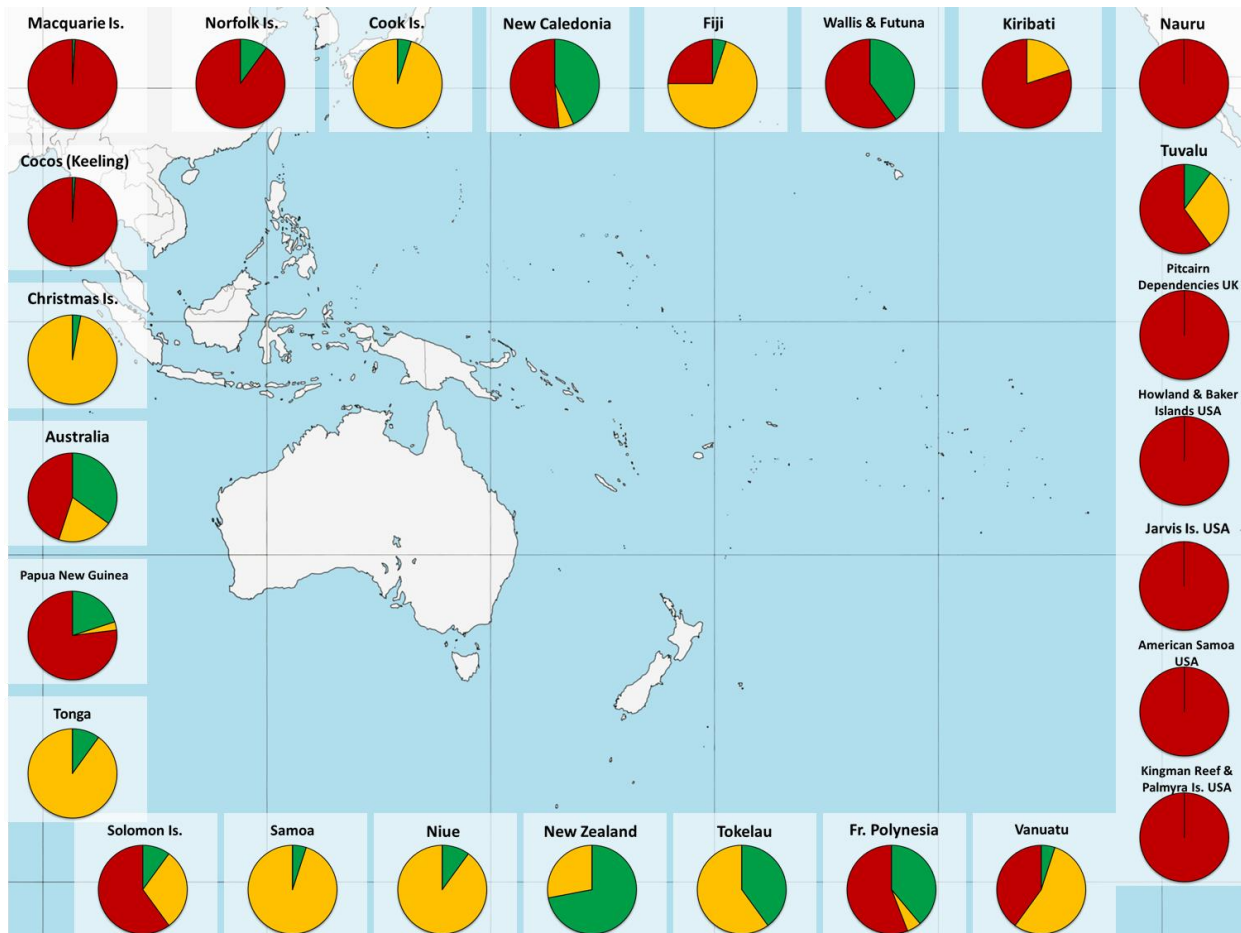
IRCC actions &

SDB seminar in Ottawa – 18-20 sept 18



Satellite derived bathymetry

Vast areas with a poor knowledge *Concerns most of the SWPHC area !*



C-55 state of survey
– Shallow waters
(0-200m)

Satellite derived bathymetry

DECISION OF THE 1st SESSION OF THE IHO ASSEMBLY

18	PRO-5: The Assembly tasked the IRCC to encourage the Regional Hydrographic Commissions to consider using satellite derived bathymetry and risk assessment methodologies in uncharted or poorly charted areas in their respective regions as a way of developing survey priority areas as part of attracting donor funding.
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Satellite derived bathymetry

IRCC9 (June 2017) report : actions 32 - 33 - 34

RHCs to encourage MS:

- using SDB and risk assessment methodologies to report back to IRCC 10
- to participate to the workshop sponsored by Canada in 2018

Satellite derived bathymetry

SDB Seminar in Ottawa (CHS, NOAA & Shom)

18-20 September 2018

Open to all HOs, industry, academia

Objective

Share the international expertise to advance Hydrographic Remote Sensing (HRS) by discussing the status of present HRS technologies, its geospatial/hydrospatial applications and impacts of emerging new HRS technologies.

Satellite derived bathymetry

SDB Seminar in Ottawa

Expected themes

Day 1 (September 18, 2018)

– HRS in support of planning, monitoring, risk assessment

Day 2 (September 19, 2018)

– HRS Hydrospatial applications and services

Day 3 (September 20, 2018)

– HRS Emerging technology, solutions, sensors and missions



Thank you

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Study for the implementation of a high- resolution image satellite reception facility in New-Caledonia

Information – New Caledonia government initiative

Satellite reception facility - Line of sight - benefits

EEZ

- **Fisheries monitoring and surveillance**
including illegal fisheries
- **Pollution monitoring**
POLMAR operations
- **Natural disasters**
(tsunamis, cyclones, earthquakes ...)
- **Humanitarian operations**
planning
- **Impacts**

MILITARY MARITIME INTELLIGENCE AREAS

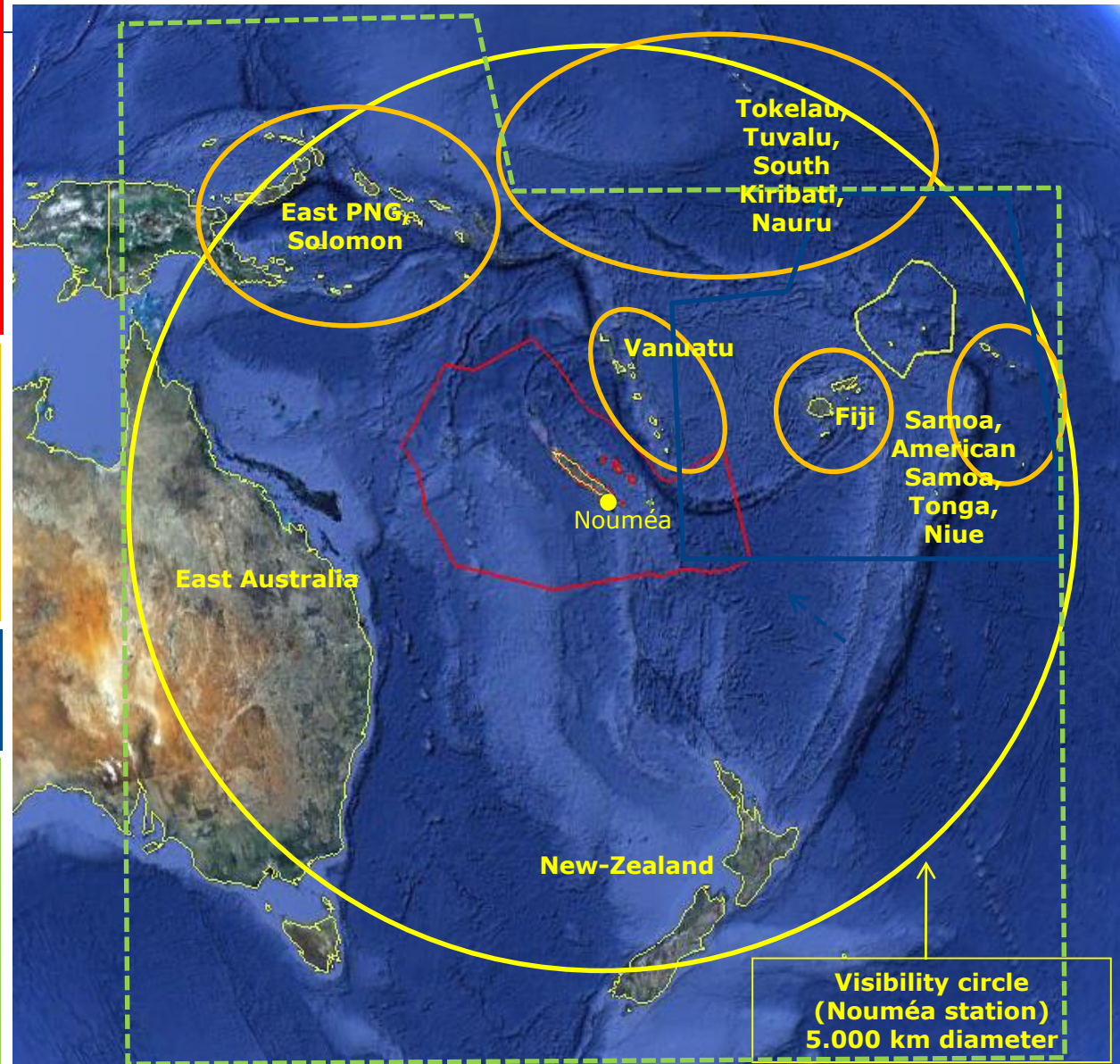
- Civilian **population evacuation** operation and planning
- Fight against **terrorism**
- Illegal **immigration**
- Fight against **trafficking of all kinds** : arms and drugs

SAVE & RESCUE ZONE

- Search operations at sea
- Rescue operations planning at sea

MAPPING/ENVIRONMENT

- Preparation of **hydrographic charts** (bottom types, first bathymetric evaluation..)
- **Coral reefs** (3 main coral reefs formations in the world),
- **Mangroves and marshes...**
- **Shoreline** evolution
- **Sea level** rise



Feasibility study ongoing

- NC is eager to mutualize effort and participation for success
- NC launched a pre-study to estimate interests and expected benefits

- Questionnaire sent to nations by the study team
- Will be resent by email to SWPHC contact list
- Contact :
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