

# MUCRU's North West Australian Marine Mammal Research: 2013 and beyond

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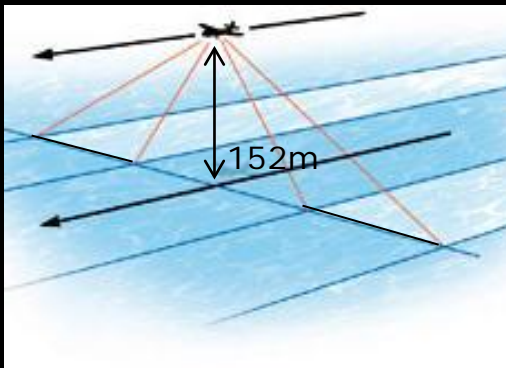
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# MUCRU: What we do and why...

- standardised survey effort
- strict protocols
  - identity, abundance, movements, structure
  - assess influence of human activities
  - mitigate against negative impacts



# Shark Bay: behaviour, tourism, new survey methods

- Western gulf



- Eastern gulf

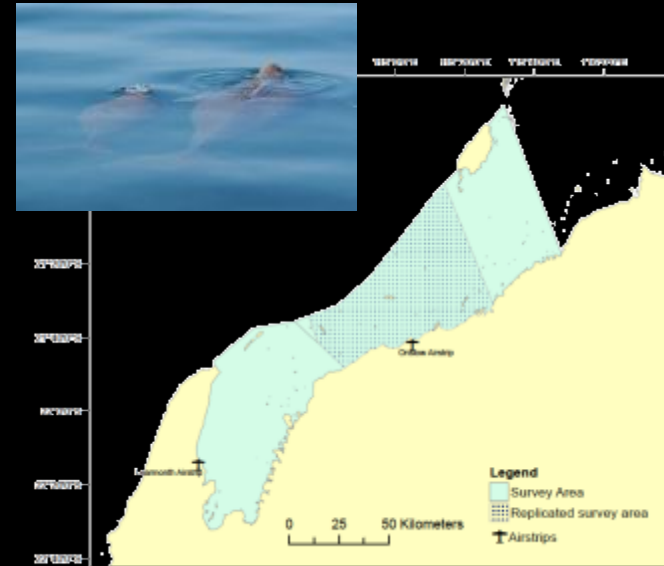


- Both gulfs

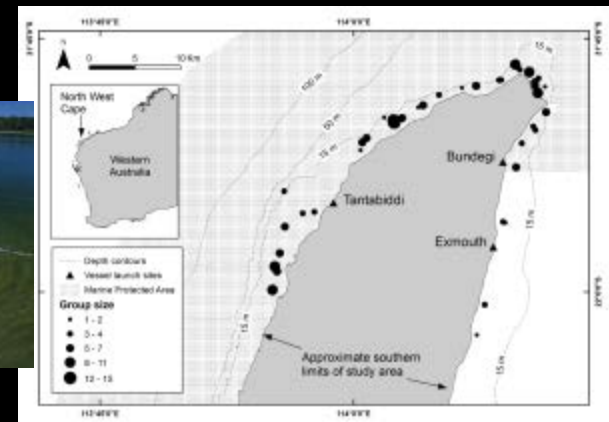


# North West Cape and Onslow: marine mammal ecology informing mitigation and management

- Dugong Research Program

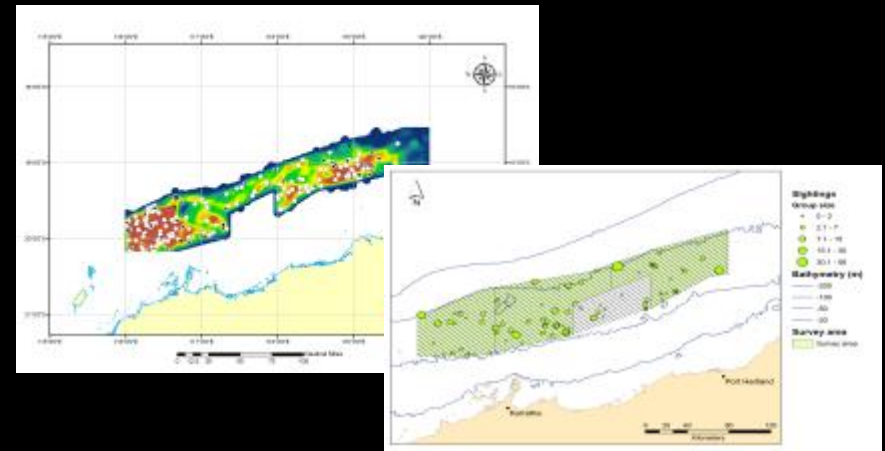


- Australian humpback dolphin research



# Pilbara: Dolphins and human impacts

- Bycatch Pilbara trawl fishery



\* Improved uptake of recommendations to reduce bycatch\*

- coastal zone development “the major threat” to tropical inshore dolphins

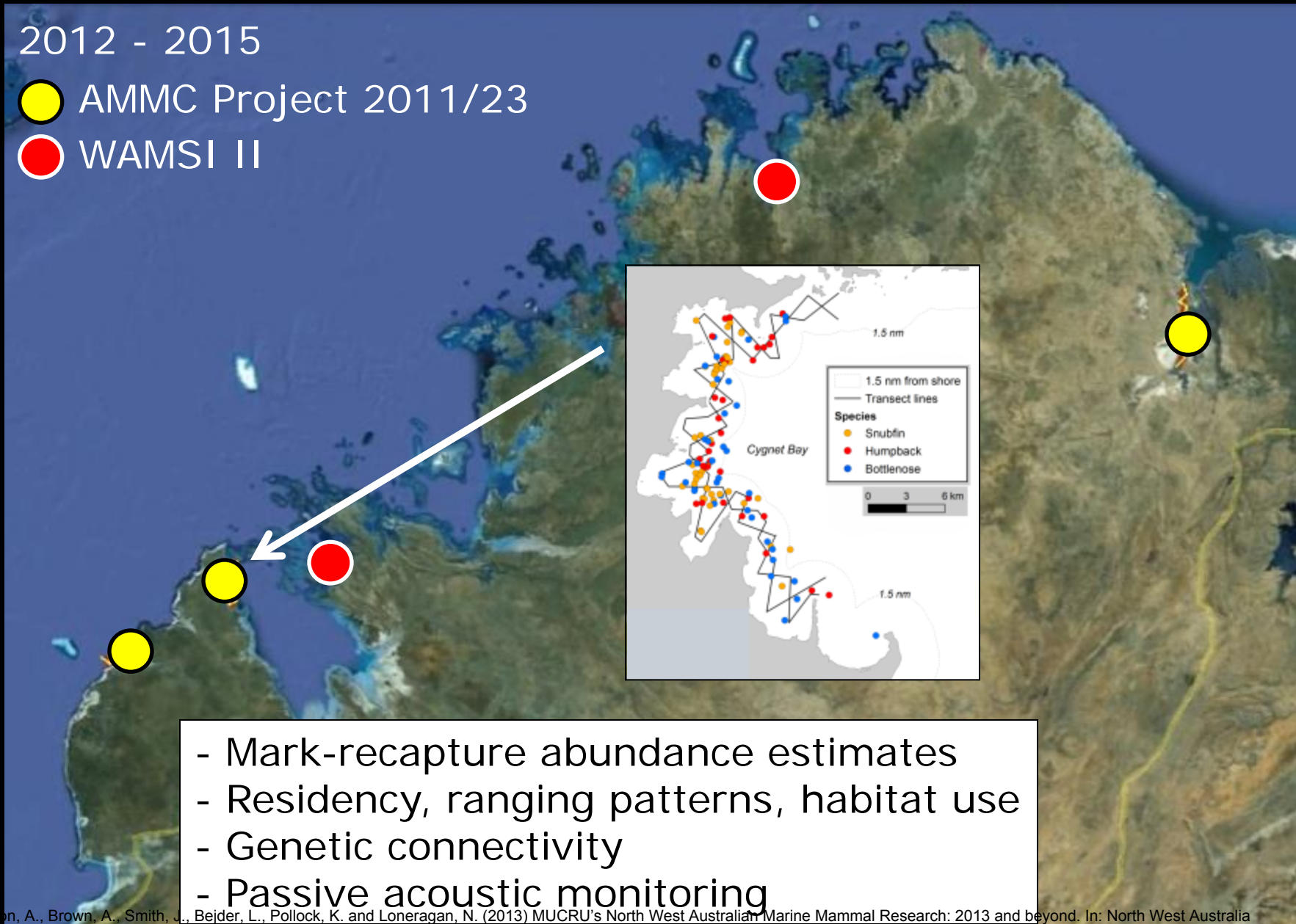


# Kimberley: snubfin and humpback dolphins

2012 - 2015

● AMMC Project 2011/23

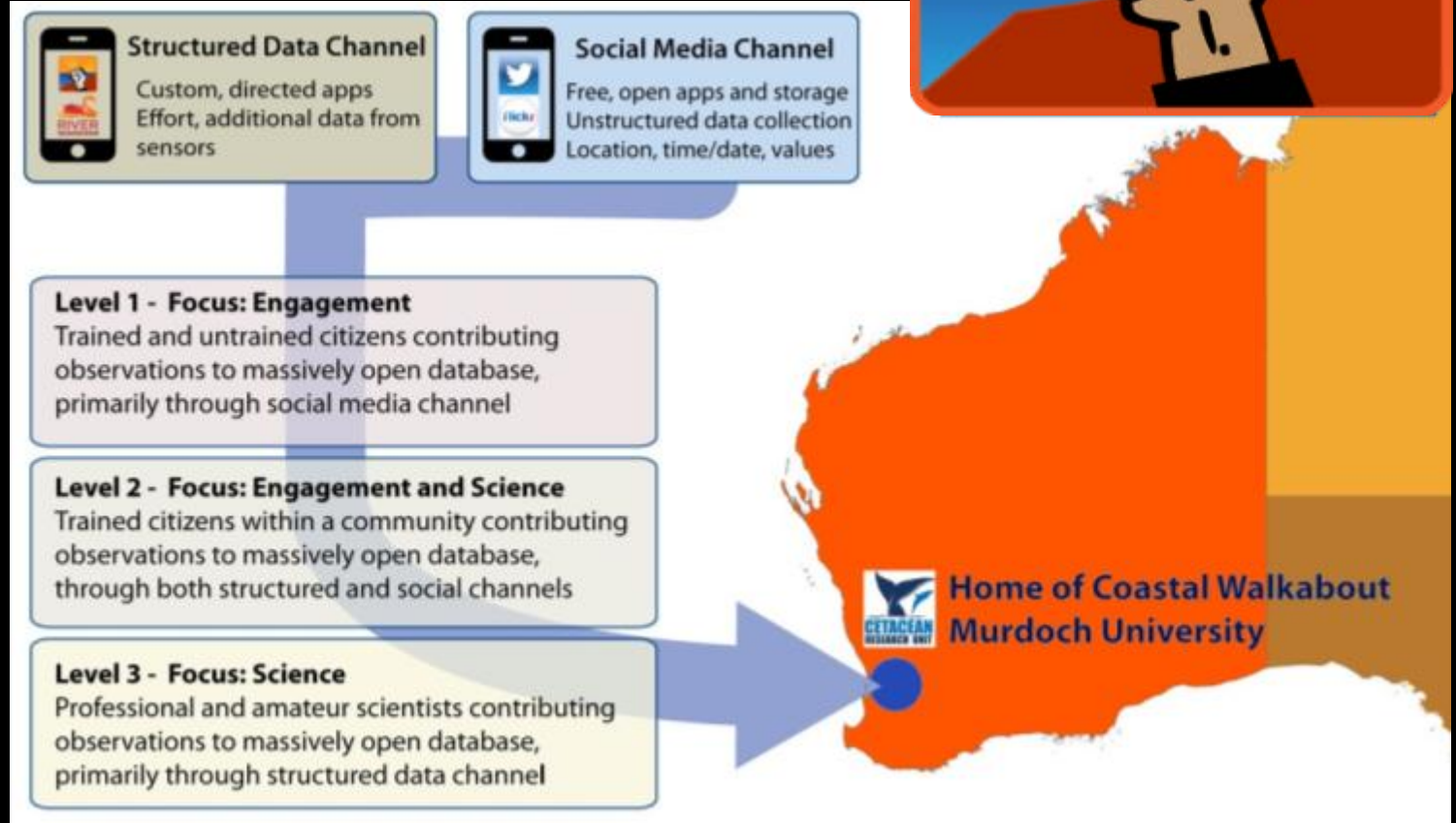
● WAMSI II



- Mark-recapture abundance estimates
- Residency, ranging patterns, habitat use
- Genetic connectivity
- Passive acoustic monitoring

# Broader WA: Coastal Walkabout

- Citizen engagement
- Smart-phone technology



# The numerous knowledge gaps

- NW Dolphins: No population estimates, trends, species ID, residency



- Dugongs: Little known of numbers and movements



- Humpback whales: Little known of localised movements and residency times





## Acknowledgements:

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Chevron

WAMSI II

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