

GEOHAB 2021

Marine Geological & Biological Mapping

Asia/Pacific Node

11th May 2021

(All times are given in Australian Eastern Standard Time – UTC
+10hrs)

11th May		
10:30-10:35	Daniel Ierodiaconou	Welcome remarks
Session Chair: Kim Picard Session Theme: Anthropogenic Pressures		
10:35 - 10:45	Watson et al.	Anchor drag as a major driver of seafloor habitat degradation
10:45 - 10:55	Ribo et al.	Natural and human-induced factors contributing to habitat suitability of filter-feeder communities in shallow marine environments
10:55 - 11:05	DISCUSSION	
Session Chair: Jaya Roperez Session Theme: Sonar Techniques		
11:05 – 11:15	Picard et al.	AusSeabed: Making seabed mapping data easily accessible
11:15 - 11:25	Che Hasan et al.	Multibeam Backscatter using Automatic Pulse Length Mode- Results from Marine Habitat Mapping at Three Marine Protected Areas in Malaysia
11:25 - 11:35	Porskamp et al.	Applying Multibeam Echosounder Water-Column Data to The Benthic Habitat Mapping Workflow
11:35 - 11:50	DISCUSSION	
11:50-12:10 BREAK		
Session Chair: Alix Post Session Theme: Specific Mapping Case Study		
12:10 - 12:20	Bigham et al.	Benthic community response to habitat alteration caused by an earthquake-triggered turbidity flow in Kaikōura Canyon, Aotearoa/New Zealand
12:20 - 12:30	Johnson et al.	Preliminary interpretation of multibeam bathymetry collected by the R/V Falkor during 2021 in the Tasman and Coral seas
12:30 - 12:40	Puotinen et al.	Locally varying classification accuracy for spatial benthic habitat models in the Arafura Marine Park, northern Australia
12:40 - 12:50	Flores et al.	A possible tectonic control for mesophotic reef growth on the northwestern side of Lingayen Gulf, Philippines
12:50 - 13:15	DISCUSSION	
13:15-13:55 BREAK		

Session Chair: Sally Watson		
Session Theme: Geology		
13:55 - 14:05	Niyazi et al.	Mapping the Buried Magmatic Rocks via Seismic Reflection Data - A Case Study from the Offshore Otway Basin
14:05 - 14:15	Bostock et al.	Distribution of surficial sediments in the ocean around New Zealand
14:15 - 14:25	DISCUSSION	
Session Chair: Mary Young		
Session Theme: Mapping Strategies		
14:25 - 14:35	Pucino et al.	Citizen scientists drone mapping coastal erosion at regional scale: data quality, challenges, applications, and future directions
14:35 - 14:45	Shang et al.	Self-adaptive analysis scale determination for terrain features in seafloor substrate classification
14:45 - 14:55	Radford et al.	Making better habitat maps for management with spatially optimised habitat classes and spatial kappa analysis
14:55-15:15	BREAK	
15:15 - 15:25	Salleh et al.	Phenomenological Approaches in Correlation between Morphology and Marine Sediment of Seabed Derived from Multibeam Echosounder Data
15:25 - 15:35	Roelfsema et al.	The Mapping and Monitoring the Worlds Coral Reefs: the Allen Coral Atlas
15:35 - 15:45	Giraldo Ospina et al.	Optimizing ground-truthing methods and spatial resolution for deep seagrass mapping
15:45 - 15:55	Goodes et al.	Using substrate and seafloor terrain variables to explain benthic community structure
15:55 - 16:05	Thoral et al.	Estimating Benthic Light Availability for Kelp Forests Using Satellite Imagery
16:05 - 16:30	DISCUSSION	
16:30 -16:35	Closing Remarks	