



NMSC OPEN DAY

SCHEDULE OF EVENTS

	TITLE	PRESENTER	LOCATION
10:00—10:15	Acknowledgement to Country	Stephan Soule	Aquarium Area
10:15—10:45	Presentation: “Saving wetlands to fight climate change”: Blue carbon is the carbon stored and sequestered in coastal ecosystems such as mangrove forests, seagrass meadows or intertidal saltmarshes. These valuable ecosystems hold vast carbon reservoirs; they sequester atmospheric CO2 through primary production, and then deposit it in their sediments. Join Dr. Isaac Santos as he presents his research on carbon storage in marine ecosystems and the important role in fighting climate change.	Professor Isaac Santos	Aquarium Auditorium
10:45—11:00	Tour: Take a guided tour of NMSC's radioisotope laboratory and greenhouse gas analytical facilities.	Professor Isaac Santos	Aquarium Foyer
11:00—11:30	Presentation: “Feed the World - Aquaculture for the 21st Century”: Securing long-term food supplies for a growing world population is one of the greatest challenges of this century. The lack of new arable land means that, if we are to feed an increasingly affluent world, we must farm the sea. We are researching new ecologically sustainable aquaculture species and seeking ways to improve the productivity and reduce the environmental impact of established aquaculture industries. Join Dr. Dworjanyn as he explain some of the work being done in food security.	Assoc. Professor Symon Dworjanyn	Aquarium Auditorium
11:30—11:45	Tour: Take a guided tour of NMSC’s Aquaculture Facility	Assoc. Professor Symon Dworjanyn	Aquarium Foyer
11:45—12:15	Presentation: “Biodiversity of the Coffs Coast”: With the combination of converging currents and the rich geological features of the Solitary Islands, the Coffs Coast enjoys an amazing array of marine plants and animals. Join Dr. Stephen Smith as he takes you on a photographic journey under the waters of the Coffs Coast.	Professor Stephen Smith	Aquarium Auditorium
12:15—12:30	Presentation: "The blueberry revolution and water quality": Join SCU PhD Candidate, Shane White as he highlights his finding on the effects of water quality runoff from the blueberry industry	Shane White	Aquarium Auditorium
12:30—12:45	Presentation: “Saving nemo and his home”: Join SCU PhD Candidate Sophie Pryor as she highlights her work studying the effects of climate change on anemonefish	Sophie Pryor	Aquarium Auditorium
12:45—13:00	Tour: Take a guided tour of the NMSC aquaculture research facility and learn more about our world class seawater research system. The NMSC has a state-of-the-art flow-through seawater supply system. Identified as one of the best systems in Australia, the supply of seawater supports a range of experimental research activities and specialist laboratories.	Dr. Bennan Chen	Aquarium Auditorium
13:00—14:30	Movie: “BLUE”: This award winning 2017 documentary is a film about how the oceans are broken, and what can be done to fix them. Featuring passionate advocates for ocean preservation, the film tackles themes of habitat destruction, species loss and pollution. Filmed in the seas surrounding Australia, Indonesia, the Philippines and the USA, BLUE looks at how the very nature of the ocean is being altered.	Stephan Soule	Aquarium Auditorium
14:30—15:00	Presentation: “Changing oceans”: Maintaining healthy marine ecosystems and sustainable marine resources in the face of a rapidly changing environment are among the greatest modern challenges facing humanity. This presentation will highlight how warming and ocean acidification are impacting marine organisms.	Stephan Soule	Aquarium Auditorium