
Quarter 3 Newsletter 2022

Institute for Coastal and Marine Research (CMR)

We're in the second semester of 2022 and Quarter 3 is well underway.

In this newsletter, we look back on activities and successful events held in the second and third quarter, and we share news of events to look forward to during the remainder of the year.

The CMR has several exciting events planned, and we hope that our members will participate in and enjoy these!

We hope you enjoy this quarterly update from the CMR!

CMR Past Events

CMR Quarter 2 Seminar

The CMR's Quarter 2 Seminar was presented by CMR Research Associate, Dr Christo Rautenbach, on the topic *Modelling of low- and high-frequency sea level variability and their drivers around the southern African coast*. Dr Christo Rautenbach presented on how his study addressed knowledge gaps in southern Africa ocean dynamics, particularly continental shelf areas and reported on results of a methodical exploration of water level and wave dynamics in these waters. This event took place on 6 June via Zoom (34 people) and in-person (11 people in attendance). Recordings of CMR quarterly seminars and speaker presentations are available on the CMR website at this link <https://cmr.mandela.ac.za/News-and-Events/Quarterly-Seminars>



CMR Past Events

Seminar by Dr David Kaplan

The topic of the seminar was *Reducing plastic waste and other negative environmental impacts from drifting fish aggregating devices (dFADs) used by tropical tuna purse seine fisheries*. Dr Kaplan reviewed work that he, colleagues and collaborators have been doing to find viable solutions to reducing marine debris. This event took place on 18 August via Zoom (26 people) and in-person (7 people in attendance). The recording and presentation is available on the CMR website at this link <https://cmr.mandela.ac.za/News-and-Events/Additional-Seminars>.



Past Events with Member Participation

One Ocean Hub's Blue Heritage Event

CMR Research Chair, Professor Rose Boswell, was a panelist for the One Ocean Hub's Blue Heritage Event for the UN World Ocean Week and discussed *Blue Heritage: The Role of Ocean Art and Culture in Ocean Science and Management*. This webinar took place on 7 June.



Attaining a Resilient World Event

CMR Adjunct Professor Bernadette Snow was a speaker at the Attaining a Resilient World Event, Session 6: Harnessing nature for transformative adaptation in Africa. Her talk was entitled *How best can the gaps between research and practice for NbS be bridged to facilitate transformative adaptation and resilience in Africa?* She discussed to what extent are the limits to NbS and cost-benefit analyses known and what potential do they have to inform the integration of NbS into planning and implementation? This event took place in person (Radisson Blu Hotel, Gqeberha) and online on 31 August.

Past Events with Member Participation

Know Your Bay Talk

CMR postdoctoral research fellows Dr Nina Rivers and Dr Anne Lemahieu gave a presentation entitled: *Marine Spatial Planning (MSP) in South Africa: What, Why, Who and How* and *The Algoa Bay Marine Spatial Planning Project: Who, What and How*, respectively, at Bayworld Museum on 24 August. In Dr Rivers talk, she covered the What and Why: broad overview of what MSP is and use to SA; the Who: is leading it at national level and stakeholders; and the How: update on the national process so far and link to AB Project. In Dr Lemahieu's talk, she focussed on Algoa Bay in particular, presenting a map of all the human uses of the Bay, the economic value of ecological services of the Bay and how Bay residents can get involved.



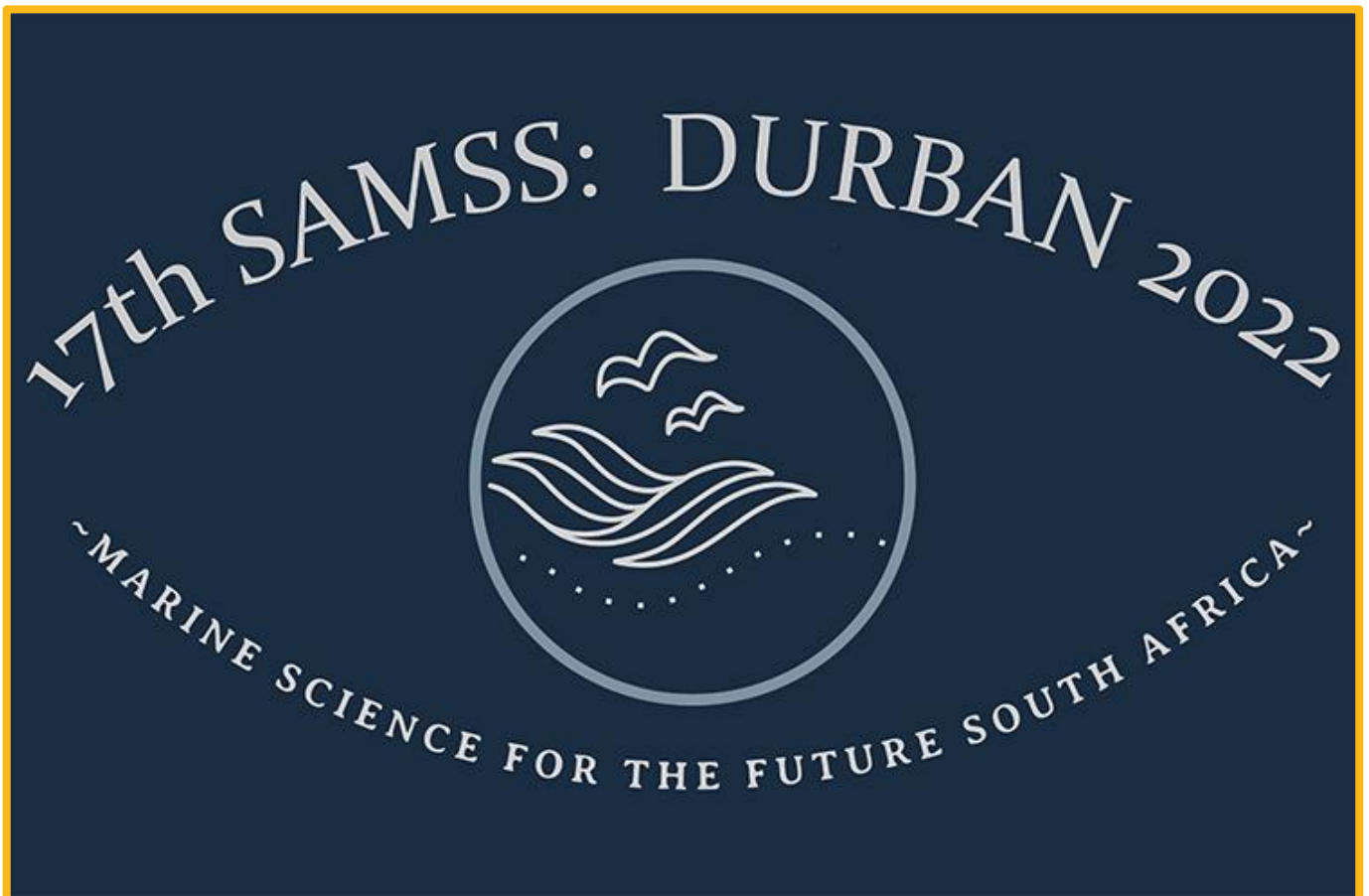
SAEON Webinar

CMR research associate, Dr Shirley Parker-Nance, gave a presentation entitled: *BELTER the way forward: a new LTER platform to inform on benthic change* at a webinar hosted by SAEON Elwandle Node on 3 June.

Past Events with Member Participation

SAMSS

Many CMR members (including staff, RA's, associate members and support staff) presented at this years SAMMS symposium. This included CMR's acting director, CMR's deputy directors and 3 of the 5 research chairs. Professor Pierre Pistorius presented a Plenary session entitled *Seabirds and marine mammals as sentinels of global change*. The symposium, which took place in June, aimed to explore the links, continuity and changes in marine science of the past and present.



National Science Week Mini Symposium

In August, CMR research associates, Dr Shaun Deyzel, Dr Shirley Parker Nance and Prof Nikki James, as well as CMR student member, Phumlile Cotiyane-Pondo and CMR associate Dr Carla Edworthy, gave a talk entitled: *What's going on in Algoa Bay?* at the National Science Week Mini Symposium.

Past Events with Member Participation

Resilience Cruise

Marine Mammal Team

The team included Dr Gwenith Penry and Professor Amanda Lombard from the CMR. Naked eye and binocular scans were alternated and once a marine mammal was sighted a GPS position, with associated data, was taken. Attempts were made to photograph the animals. A total of 33 marine mammal sightings, comprising 9 different species, were made. The team conducted observations between sunrise and sunset and on-effort observations totaled over 260 hours. The sightings will be overlaid with environmental data collected by the oceanographic teams and contribute to further understanding the importance of ocean fronts to marine megafauna.

Bird & Litter Team

The team, with Professors Peter Ryan and Lorien Pichegru, assessed the abundance and distribution of floating debris, flying fish, seabirds and other marine predators. The survey occurred a few weeks after devastating floods in KwaZulu-Natal. Over 7000 litter items were counted during 186 hours of at-sea transects, almost all of which were plastic. In addition, some 2000 seabirds (25 species), 3400 flying fish, 600 flying squids, 500 seaweeds and 1400 items of terrestrial vegetation were counted.



Community Engagement

CMR World Oceans Day

To celebrate World Oceans Day on 8 June, the CMR hosted a photo competition with the theme **Ocean Connections**. Individuals were encouraged to submit their best photographs that showcase what connects them to the ocean. Seventeen individuals submitted a total of 43 entries.

1st Prize

Andrew Witte
"Oceans on Fire"
Prize

Full morning
cruise for 2
guests & Island
cruise for 1 guest
with Stampede
Cruises



2nd Prize

William Veitch
"Baruch"
Prize

2 Canvas
Mounted Prints
from Katz
Camera & Print

Research Chairs' Update



Professor Rose Boswell

In June, Professor Boswell attended a conference, Seas and Oceans' Health and their role on the Present and Future of Humanity, at the Casina Pio IV, in Vatican City, Italy. Professor Boswell presented on *Scientific perspective and future scenarios for a sustainable coexistence between Humanity and Oceans*. She is in the process of signing MOUs with the University of Nairobi; University of Namibia and Eduardo Mondlane University. Professor Boswell launched the Palgrave Handbook of Blue Heritage and the poetry book, *Between Worlds* at the UN Ocean Week. Professor Boswell has been in the field, Northern Cape and West Coast from March to April, Eastern Cape from April to June and Lamu Kenya in June. Since the beginning of this year, Professor Boswell has published 4 articles, with 4 in press.



Research Chairs' Update

Professor Janine Adams

Professor Adams and Dr Gavin Rishworth met up with Professor Carlos Manuel Burelo Ramos and his team for a Mexican mangrove and tufa research trip. Professor Adams and Dr Lucienne Human attended the Meerwissen Co-design workshop – building equal partnerships for marine science that matters. Professor Adams and Professor Susan Taljaard attended the Southern African Society of Aquatic Scientist (SASAqS) 2022 congress in the Amanzi Private Game Reserve, Free State. She delivered a keynote address titled *Source to sea: estuaries at the pressure interface*. Professor Adams joined the EPStromNET team on a field work trip to Ireland. They were treated to grey skies and impressive SSLiME deposits during their sampling. The Shallow Water Ecosystems research team attended the 17th South African Marine Science Symposium in Durban and presented in total 25 oral and poster presentations.



Congratulations

SANCOR Awards

The South African Network for Coastal and Oceanic Research (SANCOR) announced the recipients of the SANCOR Awards. The awards were presented on 22 June 2022 at the gala evening of the 17th Southern African Marine Science Symposium (SAMSS) in Durban. Nominations for these awards were submitted by members of the marine science community and assessed by independent panels. **CMR Distinguished Professor Kerry Sink** won the Marine and Coastal Communicator Awards in recognition of her outstanding contributions towards communication of information about the marine and coastal environment to the public. This award serves as an acknowledgement of, and a symbol of appreciation for, the dedication, enthusiasm and diligence of the persons performing such communication.



Prestigious Publication

CMR acting director, **Professor Lorien Pichegru**, and CMR Research Associates, **Dr Andréa Thiebault** and **Dr Tegan Carpenter-Kling**, recently published an article entitled *Maritime traffic trends around the southern tip of Africa – Did marine noise pollution contribute to the local penguins' collapse?* in the journal of Science of the Total Environment.

Future Events

CMR Quarter 3 Seminar

The CMR's quarter 3 seminar will be a talk by CMR Research Associate, Dr Ernita Flynn. Dr Flynn's talk is entitled *Science-policy links for coastal research: an urban, multi-level governance perspective* and will take place via Zoom and in-person on 26 September from 13:00-14:00. Please keep an eye on CMR e-mails for the official invitation with RSVP details which will be circulated in due course.



Seminar by Professor Franckx

Professor Erik Franckx's talk is entitled *Lawyers and Scientists under the Law of the Sea: Transdisciplinary Ideal and Ensuing Practice* and will take place via Zoom and in-person on 19 September from 13:00-14:00. Please keep an eye on CMR e-mails for the official invitation with RSVP details which will be circulated in due course.

CMR Research Symposium

The CMR Research Symposium will be taking place on 16 November on the theme of Sustainability.

AUGUST

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18: Seminar by Dr David Kaplan
24: Know Your Bay Talk

SEPTEMBER

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2: Quarter 3 Newsletter
13: Management Committee Meeting (3)
19: Seminar by Professor E Franckx
26: Quarter 3 Seminar (Dr Ernita Flynn)

OCTOBER

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4-7: GESAMP NMU Workshop
5-6: SAMOS Consortium Workshop
10-14: National Marine Week
10-15: WIOMSA Symposium (<https://symposium.wiomsa.org/>)

NOVEMBER

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TBC: Management Committee Meeting (4)
TBC: Quarter 4 Seminar
8: Advisory Board Meeting (2)
16: CMR Research Symposium

DECEMBER

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TBC: Quarter 4 / Festive Season Newsletter

Farewell

Taryn Smit's Farewell

We bid farewell to our research chair's manager, Taryn Smit, who embarks on a new adventure in Vancouver, Canada. We wish her all the very best in her future endeavors. Taryn has been praised by the chairs for the fantastic work she has done, the wonderful person that she is and her dedication to the cause. We are all very sad to see her go. Taryn will be replaced by Mr Landile Mondile.



Housekeeping

Affiliation & Branding

We kindly request that CMR members use the full Institute for Coastal and Marine Research title in all affiliations and addresses. This is particularly important for academic publications and representation at formal occasions.

A friendly reminder to CMR members to please make use of the CMR's updated and rebranded logos. These logos, as well as various branded templates, are available from the Membership Information page on the CMR's website: <https://cmr.mandela.ac.za/Membership-Information>.

CMR Booklet of Expertise

Please note that the CMR's Booklet of Expertise has recently been updated and is available for download from the CMR Teams & Expertise page on the CMR website: <https://cmr.mandela.ac.za/cmr-team-expertise>

This booklet provides details on the CMR's most active research members and collaborators. The details captured in this booklet should facilitate the identification of possible research capacity and expertise for developing CMR research and collaborations. This booklet is updated as new research members are added to the CMR research team.

Social Media & Website

For news on projects, activities and general updates, keep an eye on the CMR's social media platforms and website (<https://cmr.mandela.ac.za/>)! Please feel free to share any of our posts, and let us know at cmr@mandela.ac.za if you have anything that you want us to share here.



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Housekeeping

New CMR Office Space

The CMR will move to our brand-new offices in September this year. The construction on Ocean Sciences Campus is almost complete, on track for us to move in.



All messages to the CMR should now be directed to the CMR's dedicated cmr@mandela.ac.za e-mail address. All CMR-registered Research Associates and Professors who require admin support should also direct their queries to cmr@mandela.ac.za.

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