



NEPTUNE



SHINE

Sparking light once again over landscapes overshadowed by time

ONLINE INTERNATIONAL WORKSHOP

14th and 15th June, 2021



SPLOSH

Submerged palaeolandscape
of the Southern Hemisphere

INQUA FOCUS GROUP



NEPTUNE

New procedures and technologies for
underwater palaeo-landscape

reconstruction

INQUA PROJECT



INQUA

Coastal and Marine Processes
commission

Organizing committee

SPLOSH: Ingrid Ward - *University of Western Australia, AU*; Helen Farr - *University of Southampton, UK*; Fraser Sturt - *University of Southampton, UK*; Hayley C. Cawthra - *Nelson Mandela University & Council for Geoscience, SA*; Andrew Green - *University of KwaZulu-Natal, SA*; Alex Bastos - *Federal University of Espírito Santo, BR*; Diego Carabias - *Centre for Maritime Archaeology Research of Southeastern Pacific, CL*.

NEPTUNE: Gaia Mattei - *Parthenope University of Naples, IT*; Claudia Caporizzo - *Parthenope University of Naples, IT*; Ana Novak - *Geological Survey of Slovenia, University of Ljubljana, SL*; Livio Ronchi - *University of Padova, IT*; Martin Seeliger - *Goethe University of Frankfurt, DE*.

ZOOM details:

<https://uni-frankfurt.zoom.us/j/98260037907?pwd=dERCUnVZQzkoZGZhMjZIMGdFRUFmQTog>

Meeting-ID: 982 6003 7907

Psw: 111448

SCIENTIFIC PROGRAMME

14th June 10.30 - 13.35 am (CEST) / 4.30 - 7.35 pm (GMT+8)

10.30 - 10.40 Welcome and Introduction by Gaia Mattei.

SESSION 1: Direct methods

Chairperson: Livio Ronchi

10.40 - 10.54 Cawthra H.C., Esteban I., Fisher E.C., and Pargeter J. - Elements of extinct landscape features and land-sea connections in Mpondoland, South Africa.

10.54 - 11.08 Corrado G., Aiello G., Barra D., Di Leo P., Gioia D., Minervino Amodio A., Parisi R., and Schiattarella M. - Late Quaternary morpho-sedimentary evolution of the Metaponto coastal plain, southern Italy, inferred from geoarchaeological, geomorphological and borehole data.

11.08 - 11.22 Tursi M.F., Aucelli P.P.C., Mattei G., and Roskopf C.M. - Reconstructing Quaternary sea-level changes along the rocky coast of Cilento promontory.

SESSION 2: Remote sensing methods

Chairpersons: Claudia Caporizzo, Helen Farr, Martin Seeliger

11.22 - 11.36 Georgiev P.Y., Adams J., and Dimitrov K. - A The human response to the evolution of the landscape: the underwater archaeological site at the bay of Ropotamo river.

11.36 - 11.50 Mićunović M., and Faivre S. - Application of aerial photographs (UAV), satellite images and archive maps in investigation of morphological changes of beaches (island of Hvar, Croatia).

11.50 - 12.00 Break

12.00 - 12.14 Dunato Pejnović N., Kordić B., Korbar T., and Pikelj K. al. - Storm boulders along the Eastern Adriatic coast: Cape Kamenjak (Istria, Croatia).

12.14 - 12.28 Esteban I., Cawthra H., Fisher E.C., and Pargeter J. - Mpondoland past and present vegetation landscapes using proxy data and spherical panoramic photography.

12.28 - 12.42 Giesken J., Pargeter J., Cawthra H., Esteban I., and Fisher E.C. - A Using high-resolution aerial imagery, geospatial analyses, and lithic analysis to better understand prehistoric hornfels procurement in Mondoland, South Africa.

12.42 - 12.56 Fisher E.C., Cawthra H., Esteban I., and Pargeter J. - A Virtual exploration and tour of the Waterfall Bluff rockshelter in Mondoland, South Africa using spherical panoramic photography.

12.56 - 13.30 Discussions and Conclusions with Ana Novak and Claudia Caporizzo.

13.30 - 13.35 Greetings from Matteo Vacchi (Vice President of the INQUA Commission for Coastal and Marine Processes).

15th June 10:30 - 13.15 am (CEST) / 4.30 - 7.15 pm (GMT+8)

10.30 - 10.40 Welcome and Introduction by Ingrid Ward.

SESSION 3: Indirect marine methods

Chairpersons: Ana Novak, Livio Ronchi, Martin Seeliger

10.40 - 10.54 Brunović D., Miko S., Hasan O., Ilijanić N., Šolaja D., Burić H., and Ivelja T. - A visit to the karstified eastern Adriatic coast – Quaternary environments of the Telašćica Bay and Kornati Channel (Croatia).

10.54 - 11.08 Castagno P., Capozzi V., DiTullio G.R., Falco P., Fusco G., Rintoul S.R., Spezie G., Cotroneo Y., and Budillon G. - Shelf water studies in the Ross Sea.

11.08 - 11.22 Manikam S.L., and Green A. - Submerged landforms reflecting palaeocoastal evolution along a narrow, current swept shelf, Pondoland, South Africa.

11.22 - 11.36 McNeil M., Nothdurft L., Webster J.M., Brooke B., and Beaman R.J. - Preliminary exploration of the southern Great Barrier Reef Ice Age submerged palaeoshorelines and drowned coral reefs.

11.36 - 11.45 Break

11.45 - 11.59 Šenolt N., Miko S., Hasan O., Brunović D., Ilijanić N., and Šparica Miko M. - Late Quaternary geomorphological evolution of the Prokljan Lake on the Eastern Adriatic coast (Dalmatia).

11.59 - 12.13 Vaccher V., and Furlani S. - Swim-surveys of rocky coasts: a technological approach.

SESSION 4: Coastal management models

Chairperson: Hayley C. Cawthra

12.13 - 12.27 Rizzo A., De Giosa F., Lisco S., Mastronuzzi G., Moretti M., Scardino G., Scicchitano G., Valenzano E., Capasso G., Velardo R., and Corbelli V. - The Taranto coastal area (Apulia region, Southern Italy): an environmental open-air laboratory.

12.27 - 12.41 Zamora N., and Quesada-Román A. - Coral reef effects on tsunami propagation in the Caribbean coast of Costa Rica and Panamá.

12.41 - 13.15 Discussions and Conclusions with Gaia Mattei and Ingrid Ward.



SHINE

Sparkling light once again over landscapes overshadowed by time