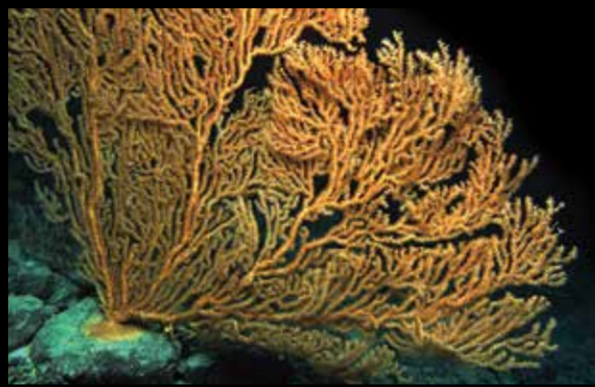


# Putting names to a SEA OF FACES

STANDARDISING THE FLORA AND FAUNA CLASSIFICATION OF AUSTRALIAN MARINE IMAGES



CNIDARIA

MACROALGAE

MOLLUSCS

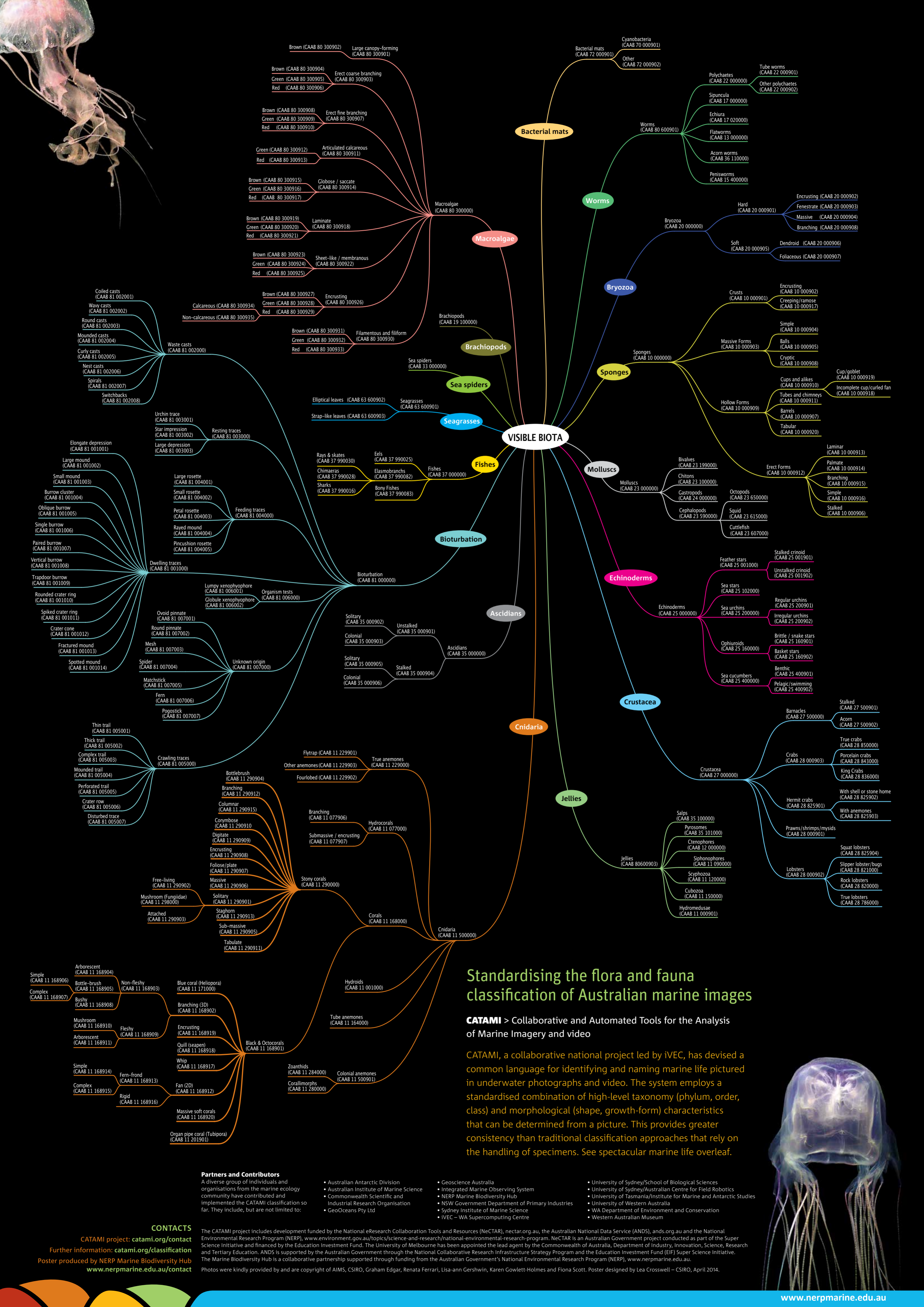
SPONGES

ECHINODERMS

FISHES

CRUSTACEA

Photographs and video provide a safe, non-destructive and efficient way to examine and monitor marine habitats. To be useful on a national scale, however, all the life forms they reveal must be named in a consistent way. A new classification system devised by Australia's CATAMI project provides that common language. See the new system outlined overleaf.



# Standardising the flora and fauna classification of Australian marine images

**CATAMI** > Collaborative and Automated Tools for the Analysis of Marine Imagery and video

CATAMI, a collaborative national project led by iVEC, has devised a common language for identifying and naming marine life pictured in underwater photographs and video. The system employs a standardised combination of high-level taxonomy (phylum, order, class) and morphological (shape, growth-form) characteristics that can be determined from a picture. This provides greater consistency than traditional classification approaches that rely on the handling of specimens. See spectacular marine life overleaf.

### Partners and Contributors

A diverse group of individuals and organisations from the marine ecology community have contributed and implemented the CATAMI classification so far. They include, but are not limited to:

- Australian Antarctic Division
- Australian Institute of Marine Science
- Commonwealth Scientific and Industrial Research Organisation
- GeoOceans Pty Ltd
- Geoscience Australia
- Integrated Marine Observing System
- NERP Marine Biodiversity Hub
- NSW Government Department of Primary Industries
- Sydney Institute of Marine Science
- iVEC – WA Supercomputing Centre
- University of Sydney/School of Biological Sciences
- University of Sydney/Australian Centre for Field Robotics
- University of Tasmania/Institute for Marine and Antarctic Studies
- University of Western Australia
- WA Department of Environment and Conservation
- Western Australian Museum

### CONTACTS

CATAMI project: [catami.org/contact](http://catami.org/contact)  
Further information: [catami.org/classification](http://catami.org/classification)  
Poster produced by NERP Marine Biodiversity Hub  
[www.nerpmarine.edu.au/contact](http://www.nerpmarine.edu.au/contact)

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