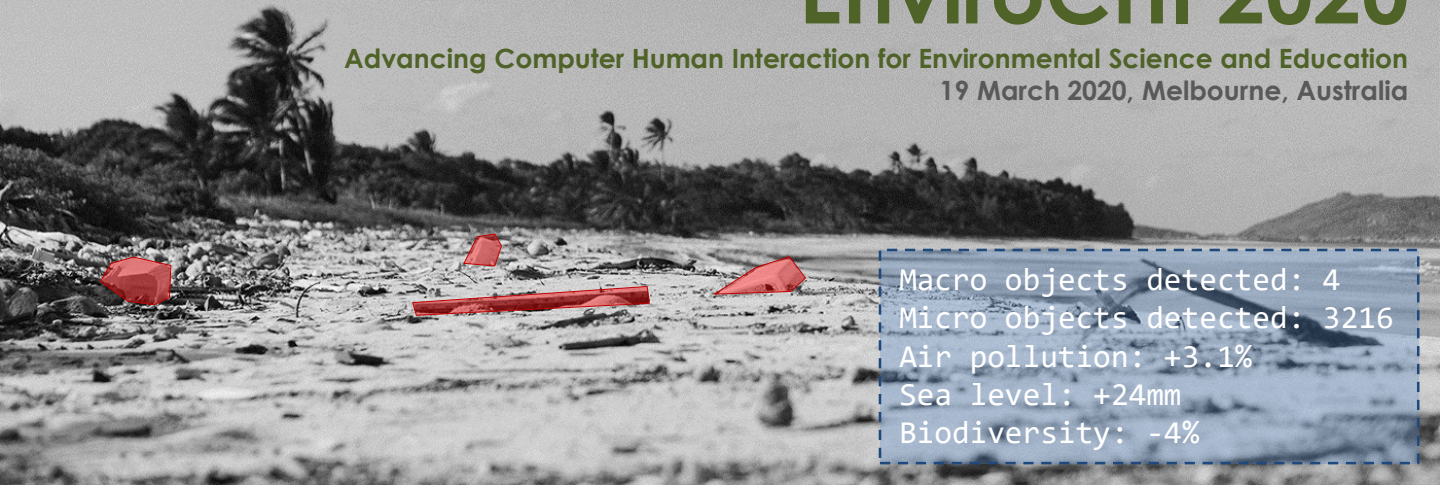


EnviroCHI 2020

Advancing Computer Human Interaction for Environmental Science and Education
19 March 2020, Melbourne, Australia



Macro objects detected: 4
Micro objects detected: 3216
Air pollution: +3.1%
Sea level: +24mm
Biodiversity: -4%

Workshop Organisers

Ulrich Engelke
CSIRO Data61

Dirk Slawinski
CSIRO Oceans & Atmosphere

Anais Pages
CSIRO Mineral Resources

EnviroCHI Website

<https://wp.csiro.au/envirochi/>

C3DIS Website

<http://www.c3dis.com/>

Enquiries to

envirochi@gmail.com

Draft schedule

8:45 – 9:00	Opening
9:00 – 9:30	Invited Keynote
9:30 – 10:30	Presentations
10:30 – 11:00	Morning tea
11:00 – 11:45	Presentations
11:45 – 12:30	Panel discussion
12:30 – 13:30	Lunch
13:30 – 15:00	Breakout sessions
15:00 – 15:30	Afternoon tea
15:30 – 16:00	Reporting
16:00 – 17:00	Discussion

In conjunction with



Our natural environment is under significant pressure: climate change, plastic pollution, and biodiversity loss, are among the major threats that our planet is currently facing. Scientists study environmental phenomena to understand these changes and develop models of future impact. Technology plays an ever-important role in these endeavours and effectively dealing with the overwhelming number of data sources is imperative in making informed decisions. The human element plays a particularly important role in leading positive change towards a more sustainable society and resilient environment. It is therefore imperative to enable scientists to do their research, educate the general public, and reach out to key decision makers.

EnviroCHI'20

The workshop will be held on 19th March 2020 in conjunction with the Collaborative Conference on Computational and Data Intensive Science (C3DIS) at the Melbourne Convention and Exhibition Centre. The aim of EnviroCHI is to bring the computer-human interaction (CHI), data science, environmental science, and education communities together to identify major challenges and opportunities in this space. The day will consist of presentations, a panel, and interactive discussions. Initial output may include a publication summarising the day's findings, but longer-term outcomes intend to include a national collaborative research agenda for CHI in environmental science and education.

SCOPE

We accept abstracts that broadly cover aspects at the intersection between environmental science/education, data science, and computer human interaction.

Specific topics include but are not limited to:

- Interaction and interface design for environmental science/education.
- Visualisation and visual analytics for environmental science/education.
- Immersive technologies for environmental science/education.
- In-situ systems for field studies in environmental science/education.
- Case studies and user studies in CHI for environmental science/education.
- Brief surveys of specific areas in CHI for environmental science/education.
- Challenges and opportunities in CHI for environmental science/education.

SUBMISSION INFORMATION

Authors are invited to submit a **200 word abstract with an optional representative image**. A template is provided on the EnviroCHI website. Please submit your manuscript before the submission deadline (see important dates below) to envirochi@gmail.com. Abstracts are not formally reviewed but just curated by the organising committee using a very inclusive approach and rejecting only abstracts that are out of scope of the workshop. Authors of accepted abstracts are expected to register for the workshop and give a talk.

Melbourne Convention
& Exhibition Centre

IMPORTANT DATES

Abstract submission deadline: 21 February 2020
Notification of acceptance: 28 February 2020
EnviroCHI'20 Workshop: 19th March 2020