



11TH IAG  
INTERNATIONAL  
CONFERENCE ON  
GEOMORPHOLOGY

## ICG2026 YOUNG GEOMORPHOLOGISTS TRAINING PROGRAM (30 JAN - 7 FEB 2026)

The ICG2026 Young Geomorphologists Training Program (30<sup>th</sup> Jan to 7<sup>th</sup> Feb 2026) runs in conjunction with the 11th IAG International Conference on Geomorphology in Christchurch, New Zealand.

The program will provide field and lab based training in '**methods for assessing geomorphic processes and change**' in addition to tailored career preparedness and networking opportunities. This guide provides information about the intentions, structure and benefits of the program.

[WWW.ICG2026.CO.NZ](http://WWW.ICG2026.CO.NZ)



Cass, by Rita Angus (1936)

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## ABOUT

### **Kia ora, nau mai ki Aotearoa!**

We cordially welcome young geomorphologists (early career researchers and students) to take part in an active and diverse training workshop running alongside the 11th International Conference on Geomorphology held in Christchurch, New Zealand.



Participants can tailor their own bespoke program and enrol in training workshops and activities depending on their particular focus, interests, and schedule. The workshops are co-developed by leaders in their discipline.

The timing of these activities is arranged to blend with the main ICG conference program, with some activities exclusive to YGs and other providing opportunity to meet and interact with established researchers and professionals. Activities are arranged at nearby venues in Christchurch and field locations in picturesque Canterbury.

## OUR GOALS

The program organisers have designed the YG training program with the following goals:

- Provide participants with an **understanding** of techniques for quantifying geomorphological processes and landscape change.
- **Develop practical skills**, equipping participants with hands-on skills in fieldwork, data collection, and analysis.
- Highlight **opportunities for development in commercial and consulting careers** by building practitioner and employer connections and showcasing professional geomorphologist opportunities across a range of sectors.
- **Enable networking opportunities** for participants to connect with experts and peers in the field of geomorphology.
- **Support diversity and inclusion**, by ensuring the program is accessible and welcoming to individuals from diverse backgrounds and abilities.

We look forward to helping you develop skills and advance your geomorphology careers, while building a network of collaborative and supportive Young Geomorphologists.

## TRAINING PROGRAM SCHEDULE





	Fri 30 <sup>th</sup> Jan	Sat 31 <sup>st</sup> Jan	Sun 1 <sup>st</sup> Feb	Mon 2 <sup>nd</sup> Feb	Tues 3 <sup>rd</sup> Feb	Wed 4 <sup>th</sup> Feb	Thu 5 <sup>th</sup> Feb	Fri 6 <sup>th</sup> Feb	Sat 7 <sup>th</sup> Feb
AM	Cass field trip	GCD workshop	Coastal mapping workshop  or Alpine wetland workshop	ICG Conference	ICG Conference	Mid Conference Field Trips	ICG Conference	ICG Conference	Submarine mapping workshop (morning)  or GPR workshop (full day; YG-only)
Lunch		Free time	Coffee catch up	Peer review WS	Publishing workshop		Coffee catch up		
PM			ICG Conference	ICG Conference	ICG Conference		ICG Conference		
Evening			Geo quiz night	Conference ice-breaker	Consulting careers night		Conference dinner		

- YG-only workshop
- ICG Main Program
- YG-only social activity
- YG-preferred workshop (preference given to attendance by YGs)

Additional details about these sessions can be found on the following pages.





-  YG-only workshop
-  YG-preferred workshop
-  ICG Main Program
-  YG-only social activity

## ACTIVITY DESCRIPTIONS

All fees are indicative  
and YG rates

### Coastal shoreline mapping (full day)

This workshop will demonstrate different free, open-source techniques used to quantify changes in sandy shorelines in Brazil and Australia. It will look at the use of satellite imagery (Landsat, Sentinel), sediment transport rates calculation and introduce the CoastSat toolkit. This workshop is led by Dr. Breylla Campos Carvalho from the Universidade Federal de São Paulo and Thalles Araújo from the University of Western Australia. Non-YGs may also attend this workshop, space permitting.

**Fee = \$40 NZD**

University of Canterbury Computer Lab



### Submarine geomorphology mapping (half-day)

This workshop is co-facilitated by the International Seabed Geomorphology Mapping Working Group (ISGM-WG). The workshop will demonstrate a two-step process to map morphology and geomorphology of the seabed through two ArcGIS Pro Toolbox that supports its implementation. The ISGM-WG will demonstrate the application of the two-step process to several worked examples from coasts, continental shelves and the deep marine, and thereby demonstrate the utility of the two-part approach for the mapping the distribution of sedimentary facies that form in these diverse marine environments. This session is led by Dr. Rachel Nanson, Dr. Zhi Huang (Geoscience Australia) and Dr. Riccardo Arosio (University College Cork). Non-YGs may also attend this workshop, space permitting.

**Fee = \$20 NZD**

University of Canterbury Computer Lab



## Geodiversity and wetland conservation of cold deserts (full day)

**Fee = \$40 NZD**

This workshop will focus on wetlands in high-altitude cold deserts and climate change impacts. It will provide participants with a range of techniques for assessing and conserving geodiversity and wetlands. The workshop will focus on case studies from the Indian Trans-Himalayas. The workshop is led by Dr. Krishnanand (Associate Professor of Geography at Sharda University, India) and Dr. Vipin Solanki (Assistant Professor in Wetland Conservation). Non-YGs may also attend this workshop, space permitting.

University of Canterbury Computer Lab



## Cass Fieldtrip (full day)





**Fee = \$60 NZD**

This fieldtrip provides an opportunity to explore the tectonic, glacial, fluvial, and karst geomorphology in a scenic and accessible part of the Southern Alps. The day trip will take participants through parts of Arthur's Pass National Park and the 1770 hectare Cass Mountain Research Area in the upper Waimakariri Catchment, North Canterbury. Consideration will be given to the range of active geomorphic processes, landforms, and natural hazards associated with these environments. Participants will get the opportunity to hone their geomorphic sketching skills during this day, and this introduction to the YG Training Program will provide plenty of opportunity for participants to get to know each other. The fieldtrip will be led by Dr Sam McColl and other local geomorphologists.

Fieldtrip in Canterbury





-  YG-only workshop
-  YG-preferred workshop
-  ICG Main Program
-  YG-only social activity

All fees are indicative  
and YG rates

### Geomorphic change detection (GCD) workshop (half day)

**Fee = \$20 NZD**

This workshop will provide participants with training on how to conduct quantitative geomorphic change detection (GCD) using the GCD plugin in ArcGIS. It is led by Prof. James Brasington (U. Canterbury, NZ) and Prof. Joe Wheaton (Utah State University, USA).

University of Canterbury Computer Lab



### The Great Big GEO Quiz

**Fee = FREE**

This informal social event is great for meeting new people and testing your GEO knowledge. Whether you are an expert on weathering, or have a secret knowledge of musical lyrics - this one is for you! This event will take place in a local Christchurch venue. Small prizes will be awarded for the winning teams, but GLORY will last forever.

Local eatery/pub





## Peer-review workshop (2 hours)

**Fee = FREE**

This workshop will give an overview of how 'peer review' works and how to have a constructive experience in review. It will provide a discussion of the editorial process with a Q&A session. The session follows a similar format to the EGU Meet the Editor sessions, and is especially useful for first time writers, early career scientists and those with interests of reviewing in the field of geomorphology. This session is led by Dr. Ann Rowan. (Editor-in-Chief of JGR-Earth Surface).

Te Pae (main conference venue)







## Ground Penetrating Radar Workshop

**Fee = \$60 NZD**

The goal of the workshop is to demonstrate how ground penetrating radar (GPR) can aid in better understanding various geomorphic, sedimentary, and geoarchaeological settings. This interactive session will draw from over 30+ years of GPR imaging experience in these environments. The hands-on session will provide a basic overview of GPR theory and then move onto data collection procedures (2D & 3D) and processing flow that will highlight geoscience applications. The session will include field data collection, processing, and participants will come away with an understanding of how to formalize GPR plans for their own field projects.

Local field site and University of Canterbury



-  YG-only workshop
-  YG-preferred workshop
-  ICG Main Program
-  YG-only social activity

All fees are indicative  
and YG rates

## Getting Published (2 hours)

**Fee = FREE**

This workshop will provide an interactive forum on Getting published: How to write and publish a journal article. This session is led by Dr. Jasper Knight (University of the Witwatersrand, South Africa)

Te Pae (main conference venue) 

## The world of consulting & networking event (2 hours)

This event will introduce you to the enticing and exciting world of professional geomorphology. This relaxed networking event will provide opportunities for YGs to explore professional pathways in geomorphology. This event will also introduce ways to gain accreditation in the field of geomorphology as you hear from leading practitioners. This event follows a panel discussion format hosted by Professor Ian Rutherford, an entertaining and leading practitioner in geomorphology. Several professional geomorphologists will discuss how they transfer their academic skillset to the world of consultancy. Afterward, there will be opportunities to network and swap ideas with a range of local and international consultancies.

**Fee = FREE**

Te Pae (main conference venue) 





## LOCATIONS

The training program will take place in and around Christchurch across a range of venues and field locations.

Shorter activities will take place at the main conference venue, **Te Pae**, a world-class convention centre located in the heart of Ōtautahi Christchurch.



Longer workshops will be at the **University of Canterbury** on the Ilam campus in Christchurch. It hosts modern and comfortable lab spaces and computer rooms for computer based workshops.

Field-based activities will depart from either Te Pae or University of Canterbury.

Social activities will take place at Te Pae or in public venues within Christchurch City.



More information about Ōtautahi Christchurch and Te Pae can be found on the main conference website [here](#).



# FREQUENTLY ASKED QUESTIONS (FAQ)

## **Do I need to be a YG (ECR or Student) to attend?**

Some events are restricted to Young Geomorphologists, while others are open to non-YGs but preference is given to YGs if space is limited. Please refer to the program on Page 5 for which activities are YG-only.

A Young Geomorphologist is broadly defined as undergraduate or postgraduate students or scientists who have received their highest degree (i.e. BSc, MSc or PhD) within the past seven years. However, we also recognise career changes, career interruption.

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## **How do I register to take part in workshops?**

Any YG attending the ICG2026 can register for the events through ICG2026 registration webpage [HERE](https://www.confer.co.nz/icg2026/registration/) (<https://www.confer.co.nz/icg2026/registration/>), or by updating your existing conference registration. Spaces will be limited and priority will be given to those who have received an IAG YG Travel Grant.

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## **Which activities can I register for?**

You can register for as many of the activities as you wish (if you are eligible - see first question above). Some activities, such as the workshops on the weekend prior to the conference, run in parallel so you need to choose, and some activities will have limited spaces so you may not get your first option. We encourage YGs to register for as many activities as you wish, to suit your interests and schedule. Confirmation of acceptance will be notified by August.

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## **How much does it cost?**

Some activities are free while some have a small fee to cover catering, transport, and printing costs. IAG Young Geomorphologist Travel Grants can be applied for to help cover the fees (as well as conference registration and travel expenses). Please note, the training does **NOT** include accommodation.

Information on eligibility and how to apply for an IAG YG Travel Grant can be found [HERE](https://www.confer.co.nz/icg2026/student-ecrsupport/) (<https://www.confer.co.nz/icg2026/student-ecrsupport/>). More information and a call for applications can be expected to open during May/June 2025.

# FREQUENTLY ASKED QUESTIONS (FAQ)

## **What do I get if I complete the workshop?**

A digital certificate of completion will be provided to those who complete YG activities at the conference.

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## **Are there social events?**

There are a number of social events organised as part of the YG training program. This includes a Geomorphology Quiz, Consulting Careers Night in addition to activities and field excursions. Additional social events will be organised as part of the main ICG conference program and those relevant to YGs will be advertised to participants.

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## **How do I get from the different sessions?**

Transport will be provided for all activities outside of the city. In Christchurch there are great public transport links. Additionally, all events happening during the week of the conference will be a short walk from the conference venue itself. Please reach out to the committee organisers if you require any further assistance.

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## **What do I bring for the field activities?**

Each field activity is led by 2 or more experienced field trip guides. Please wear appropriate footwear and dress appropriately for the weather. February is summer in New Zealand but the weather can change quickly, so protection against the elements is essential. A pen and notebook is recommended.

## ORGANISERS AND CONTACT

This YG Training Program has been organised by the following committee:



Sarah McSweeney



Sam McColl



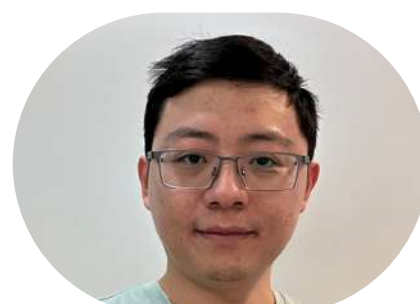
Sophie Horton



Justin Rogers



Alissa Flatley



Runjie Yuan

### How to contact the YG Training Program Organisers:

Email Dr Sarah McSweeney ([sarah.mcsweeney@canterbury.ac.nz](mailto:sarah.mcsweeney@canterbury.ac.nz))

### Contributors:

The training program and activities are supported by the following volunteers:

Dr Ricardo Arosio, Dr Rachel Nanson, Dr Zhi Huang, Prof. Jasper Knight, Dr Krishnanand, Dr Vipin Solanki, Dr Breylla Campos Carvalho, Dr Thalles Araujo, Dr Ann Rowan, Prof. Harry Jol, Prof. Allen Gontz, Prof. James Brasington, Prof. Joe Wheaton, Dr Selene Conn, Prof. Ian Rutherford, Dr Hong Jiang.



# CONFERENCE DETAILS

For all conference queries contact:  
CONFERENCES & EVENTS LTD



[icg2026@confer.co.nz](mailto:icg2026@confer.co.nz)



[www.confer.co.nz/icg2026/](http://www.confer.co.nz/icg2026/)

If you have specific questions regarding the YG training program, please feel free to email the committee who will be able to assist you further. Specific contact details are provided on the previous page.

This YG training program is running in parallel with the 11th IAG International Conference on Geomorphology. This is the pinnacle conference for geomorphologists globally. To present and attend the main conference events you will need to register and/or submit abstracts on the main conference webpage.

The background of the bottom section is a scenic photograph of a calm lake reflecting the surrounding mountains and a blue sky with scattered white clouds. The mountains are rugged and some have patches of snow or light-colored rock.

**11TH IAG  
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**2–6 February 2026**

Christchurch, New Zealand (Ōtautahi, Aotearoa)