

THE G(e)OSSIP

The official newsletter of the Geology Department

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WELCOME

Happy one year anniversary to The G(e)ossip! We hope you are enjoying our monthly newsletter and that you continue to contribute your updates. If you have feedback or anything to be added to upcoming newsletter issues, please send us an email at geossip.tcd@gmail.com.

We would like to give a tremendous thank you to Lucy Blennerhassett for her input and dedication to The G(e)ossip over the past year. She has been an integral part of the editorial team and we will miss her as she moves on to focus on the last few months of her PhD.

The G(e)ossip will be released on the last Thursday of each month. Past issues are archived and uploaded on the Geology website which you can access [here](#).

-The G(e)ossip Team

RESEARCH SPOTLIGHT

Last week Fay Amstutz, along with supervisor Mike Stock and co-supervisors Vicki Smith (Oxford) and Roberto Isaia (INGV Naples), went on fieldwork in Campi Flegrei, Italy. They collected samples from the recent eruptions at Campi Flegrei, mainly to be used for whole rock XRF analysis to investigate compositional variation over time, with future planned analysis of the glass composition, melt inclusions and melt $\delta^{18}\text{O}$.



Top left: sampling eruption deposits. Top right: Roman marketplace at Pozzuoli, which records deformation of Campi Flegrei caldera Bottom: view across the Campi Flegrei caldera. The green hill in the centre is the vent of Monte Nuovo, Campi Flegrei's most recent eruption in 1538.

DEPARTMENT NEWS

Quentin Crowley is part of a consortium to receive €3.7M funding for a new collaborative project entitled "Ireland's Knowledge Center for Carbon and Climate". The project is led by Munster Technological University, with University College Dublin, and Trinity College Dublin and is funded by the Department of Further and Higher Education, Research, Innovation and Science as a Human Capital Initiative Project through the Higher Education Authority. The project will develop Ireland's knowledge and skills to enable innovative and systemic adaptation of enterprise and society to a decarbonized economy and sustainable living.



Quentin Crowley has developed a new 10 ECTS module entitled the Climate Leadership Journey. This is open to all graduates, current postgraduate students and professionals as a part-time educational activity taking place between April and December this year. The module includes a two-week residential summer school at another European university. You can find a recording from a recent information session [here](#). Applications will be accepted via an online [form](#) by the closing date of **April 4th**.

CONFERENCES



Registration for the **Irish Geosciences Early Career Symposium (iGEO2022)** is now open! iGEO2022 will be taking place at University College Cork on the 9th and 10th of June 2022. This 2-day event will be held for the first time in Cork City, becoming the first Early Career-focused symposium of the year to be held in person. GEO2022 will enable early-career researchers (ECRs) to exchange knowledge on common methodologies and about their research with fellow ECGs, industry members and policy makers. We offer a wide range of key-note talks and workshops especially designed for ECGs. More information is available on their [website](#) and [Twitter](#) account. Click [here](#) to register.

The **32nd Irish Environmental Researchers Colloquium (Environ 2022)** will be hosted from 20th to 22nd June 2022. The call for abstracts is now open until 5pm on 15 April 2022. You can find more information, submit an abstract or register on their website [here](#).

The 'Geochemistry Group' is pleased to announce that the next **Geochemistry Group Research in Progress (GGRiP) Meeting** will take place at Cardiff University on the 5th and 6th of May 2022. Registration and abstract submission are now open. Check their [website](#) for upcoming information.

SCIENCE ENGAGEMENT



Ireland's Fossil Heritage is a science engagement project funded by Science Foundation Ireland (SFI). We are based at the School of Biological, Earth and Environmental Sciences at University College Cork (UCC). The project aims to increase awareness of, and interest in, Irish fossils by offering a diverse range of free resources to the public, including school workshops, a travelling exhibit, science and art collaborations and lots of interactive web content for all ages and backgrounds.

Ireland's natural landscape is made up of diverse and unique rocks which contain clues about the ancient Earth. We can connect to this mysterious past by discovering and exploring the rocks beneath our feet. Hidden within some of these rocks are the remains of plants and animals that lived in Ireland millions of years ago. These fossils can teach us about exciting prehistoric worlds.

To learn more information about Ireland's Fossil Heritage, check them out on their [website](#), [Facebook](#), [Instagram](#), or [Twitter](#).

IODP EXPEDITION

Dr. Elliot Carter is about to set sail from Cape Town, South Africa on International Ocean Drilling Project (IODP) Expedition 390, the South Atlantic Transect. Elliot's role aboard the cruise is an igneous petrologist. Elliot will be out at sea from 7th April - 7th June 2022. The expedition is drilling a transect of 6 holes along a single crustal flow line into the upper oceanic crust of 7-60Ma. Elliot is particularly interested in understanding the timescales and controls on alteration of the upper oceanic crust in terms of inputs for geochemical cycles. Follow Elliot on [Twitter](#) to hear updates from the ship! We wish him a safe passage.

CONGRATULATIONS



Lydia Whittaker and Elliot Carter were finally able to celebrate their 2020 graduation from the University of Manchester this month. Lydia received her first class BSc (Hons) in Geology and Elliot received his PhD in Isotope Geochemistry.

TCD SOCIETIES

Trinity's LGBTQ+ society, Q Soc will be hosting an event highlighting the research done by queer people in STEM in the Hamilton building on the 5th of April 2022 at 6 PM, Q Soc. This event will be a showcase session for any research done by queer people in STEM where you may have the opportunity to elaborate on what they do, but will also function as an open space to explore the experiences of queer people in research. The evening will take the format of the researchers answering some questions that we will send in advance so that there is time to prepare, followed by a live Q&A session. This event is open to all levels of research and we encourage both staff and students in your department to get involved where possible. For more information or if you have any questions, please contact Julie Dory at doryj@tcd.ie.

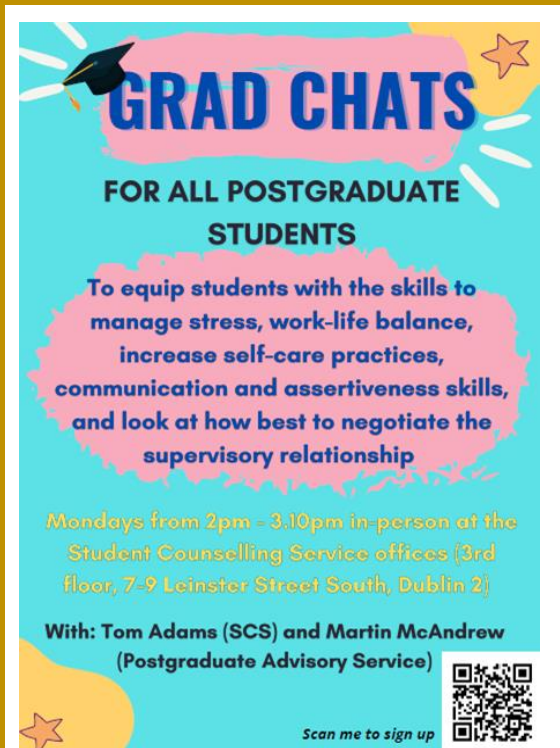
Spain Undergraduate Field Course

At the start of the month the final year Geoscience students went to southern Spain on the Almería field trip along with Quentin Crowley, Micha Ruhl, Niamh Faulkner, Erica Krueger and Jerry Dickens. The group visited some world famous geological sites including the Cabo de Gata volcanic region, evaporitic deposits in the Sorbas basin and El Gordo Megabed in the Tabernas Basin. They were joined by a group from Northern Arizona University, led by Nancy Riggs (former Fullbright scholar in the Geology Department), bringing the group total to 55 people.



Image: Mapping exercise in the Carboneras Fault Zone.

POSTGRAD SUPPORT




GRAD CHATS

FOR ALL POSTGRADUATE STUDENTS

To equip students with the skills to manage stress, work-life balance, increase self-care practices, communication and assertiveness skills, and look at how best to negotiate the supervisory relationship

Mondays from 2pm - 3.10pm in-person at the Student Counselling Service offices (3rd floor, 7-9 Leinster Street South, Dublin 2)

With: Tom Adams (SCS) and Martin McAndrew (Postgraduate Advisory Service)



Scan me to sign up

Learn more about student support on the PG Grad Chats [webpage](#) and pre-register for upcoming sessions [here](#).

PUBLICATIONS

Micha Ruhl recently co-authored a paper titled 'Wildfire activity enhanced during phases of maximum orbital eccentricity and precessional forcing in the Early Jurassic' in Nature Communications Earth & Environment. You can read the full paper [here](#).

Congratulations to Meabh Hughes for publication of the first paper from her PhD research in the Journal of the European Radon Association. This is the most downloaded paper for the journal this month! You can read her paper 'A users guide to radon priority areas: examples from Ireland' [here](#).

MENTAL HEALTH MATTERS

TCD's Student Counselling Services is open and available to all registered students.

Check out their website [here](#) to read about the services they provide, email them at student-counselling@tcd.ie to request an appointment, and follow them on Instagram at [@tcd_headspace](#) for mindfulness and mental health awareness tips. They now offer [PhD research support groups](#) to keep you on track!

SCHOOL OF NATURAL SCIENCES EQUALITY DIVERSITY AND INCLUSION COMMITTEE

Updates

We have a new name! Please note that the Athena SWAN/EDI committee will now be known exclusively as the School of Natural Sciences, Equality Diversity, and Inclusion (EDI) committee. Our work towards Athena SWAN accreditations will be nestled within this. Furthermore, Assistant Professor Pepijn Liujckx has been appointed chair of the newly branded committee and will begin duties immediately. Professor Fraser Mitchell will continue as the chief coordinator for the Athena Swan application.

News

The 8th March marked International Women's Day, where this year's campaign theme was 'Break the Bias'. Whether deliberate or unconscious, bias makes it difficult for all women to advance their careers at an equal rate to their male counterparts. The responsibility is on all of us to challenge our own thoughts and actions on gender equality, both within TCD and beyond. Although much work is left to be done, there were some excellent highlights over on Twitter using #IWD2022 and #BreakTheBias as people from all over the world came together to fight for gender equality in all aspects of society.

Resources

Keeping in line with the #IWD2022 theme, we encourage you to take this short training module on Unconscious Bias: <https://www.tcd.ie/equality/training/unconscious-bias/>. Set up by the college equality office, this module aims to raise awareness of unconscious bias and how to tackle it. By providing self-identification techniques and the tools to minimise its impact during decision making processes, this module hopes to make the workplace a fairer environment.

If you would like more information, please view our website at <https://naturalscience.tcd.ie/equality/>.

