



Training and Supervision

Massimo Bollasina

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**Natural
Environment
Research Council**

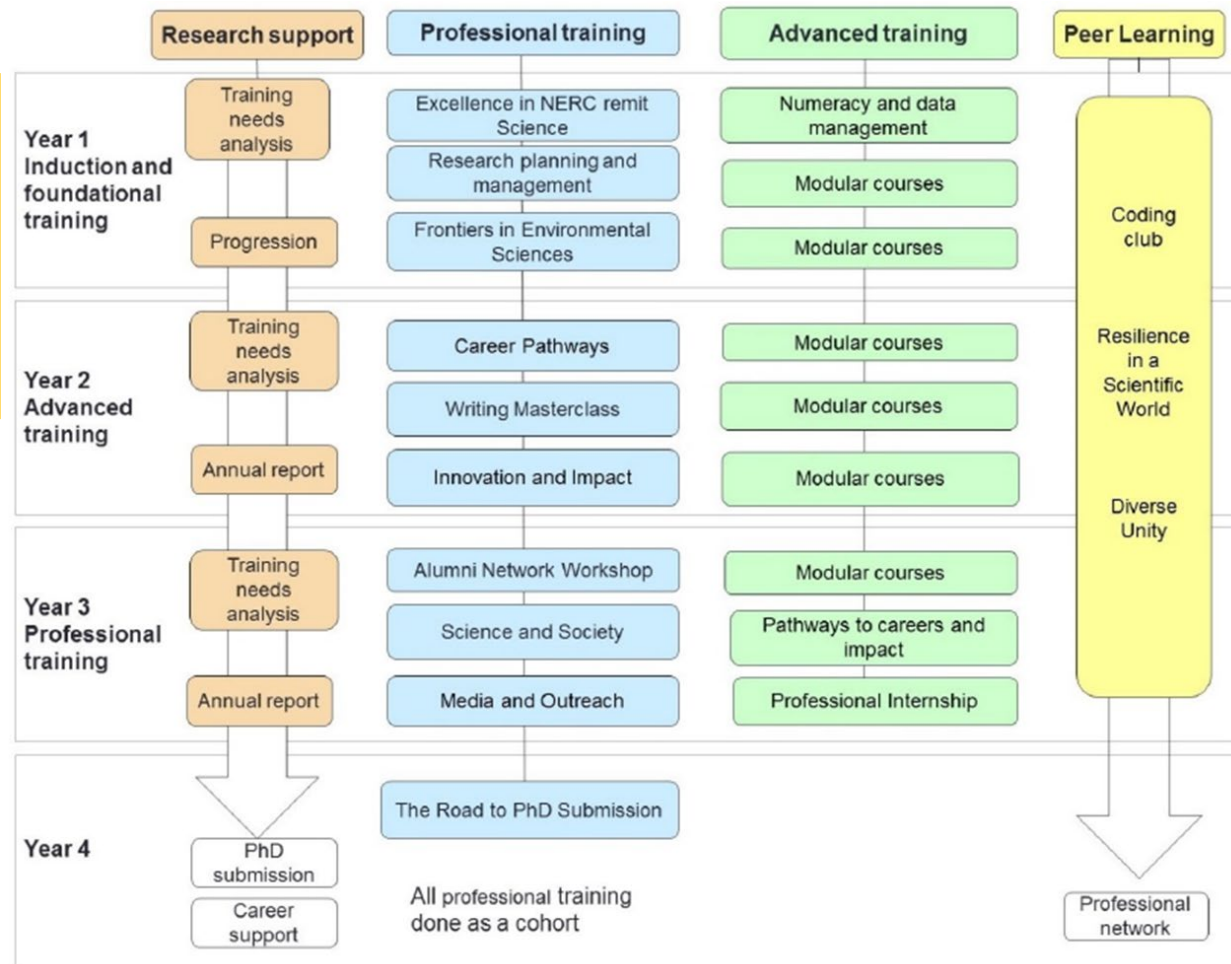
The E4 DTP Training

Built on 4 pillars:

1. research support,
2. professional skills,
3. advanced training and
4. peer learning/network activities.

50 days of training across the PhD:

- **25 days of core training:** cohort-based, transferable skills, organised by E4
- **25 days of advanced training,** project-specific, tailored to individual needs, organised by the student



The E4 DTP Core Training across the PhD (professional)

	Year 1	Year 2	Year 3+	All years
September	Induction session (2 hours)			
October	Frontiers in Environmental Sciences (Frontiers) – 6 Excellence in NERC-remit research (Firbush) – 2.5 days			ECCI training intro
November				ECCI training workshop 1
December				SAB Board meeting Winter Social
January		Writing Workshop (6 hours)		ECCI training workshop 2
February	Numeracy, Modelling and Data Management (NMDM) -- 6 sessions			ECCI training workshop 3 Writing Retreat (2-3 days)
March			Innovation and Impact (2 days)	ECCI training workshop 4
April	Intro to Career Pathways I and II (2x3 hours)			ECCI training workshop 5
May		Engagement and Outreach (2 days)		
June				Summer Social
July				Writing Retreat (2-3 days)
August				

Extended Frontiers lecture series (student-led)
 ECCI consultation placement scheme

— Residentials

Compulsory, monitored

The E4 DTP Core Training in year 1

Specific to year 1

- ❑ the 'Frontiers in Environmental Sciences' lectures (**Frontiers**) – a series of 6 lectures by academics and researchers from all the spectrum of environmental science across the University and our partners;
From 26 September to 28 November 2023, on Tuesdays, 3 to 5pm, every fortnight
- ❑ a 3-day residential cohort-building training
4 to 6 October 2023 at Firbush Outdoor Centre, by Loch Tay.
- ❑ **Consultancy Innovation Training Programme** – this series of 5 workshops on research impact and innovation as well as a voluntary short placement scheme is delivered by the ECCI to the E4 students.
Intro session on 3 October, 3 to 5pm, ECCI, Conference room
Other workshops across Semester 1 and 2, dates tbc
- ❑ the 'Numeracy, Modelling and Data Management' computer-based course (**NMDM**) to introduce you to the basics of programming language and data management (R and Python) and other methods (such a GIS and qualitative methods);
From 16 January 2024 to 26 March 2024; on Tuesdays, 3 to 5pm, every fortnight.
- ❑ **Introduction to Career Pathways I and II** – 2 workshops to get an overview of different academic and non-academic career pathways presented by alumni and professionals. A place to think about your career plans.
ICP I: Non-Academic Careers: 24 April 2023, 10am-1pm, ECCI Training & Skills
ICP II: Academic Careers: 25 April 2023, 10am-1pm, ECCI Training & Skills

Other E4 DTP Events open to all years

- ❑ **Extended Frontiers Series:** student-led events
Spring 2024, dates tbc
- ❑ **Student Advisory Board Meeting:** Students can volunteer to represent their peers at the E4 SAB at any stage of their PhD. This consists in one lunch-meeting a year (December) to feedback to the DTP management team on all aspects of the DTP organisation.
7 December 2023, 12:00-14:00
- ❑ **E4 DTP Socials:** We organise 2 socials during the year, one in December and one in June. This is an informal gathering with food and drinks and students can volunteer to do talk about something of their choice (some fieldwork experience, their research, a hobby or something they would like to share with their peers).
Winter Social: 7 December 2023, 17:00-19:00, Grant Museum
Summer Social: 13 June 2024, 17:00-19:00, Grant Museum
- ❑ **Writing Retreats:** twice a year, in February and July, we organise writing retreat days on campus for those who want to benefit from a change of scenery to focus on a personal piece of writing (a chapter, a paper, a report etc.).
Winter Writing Retreats, w/c 19 February 2024
Summer Writing Retreats, w/c 1 July 2024

Intranet webpages with E4 training details and content

The screenshot displays the E4 Doctoral Training Partnership website. The browser address bar shows the URL <https://www.ed.ac.uk/e4-dtp>. The main header is a dark blue bar with the text "E4 DOCTORAL TRAINING PARTNERSHIP".

On the left, a navigation menu lists several options: "E4 Doctoral Training Partnership home", "About the E4 DTP", "How to apply", "People", "Partners", "Further NERC-Funded Opportunities", and "Administration" (which is circled in red with a red arrow pointing to it). Below the menu are two buttons: "About the E4 DTP" and "How to Apply".

The main content area features a breadcrumb trail "Home > E4 DTP" and a "Contact us" button. The central text reads: "Welcome to the E4 Doctoral Training Partnership. The Edinburgh Earth, Ecology and Environment Doctoral Training Partnership (E4 DTP), led by the School of GeoSciences at the University of Edinburgh, is funded by NERC to recruit and train 5 cohorts of PhD students annually between 2019 and 2023." To the right of this text is the logo for the UKRI Natural Environment Research Council.

Below the text is a video player. The video title is "A day in the life of a PhD student in Envir..." and it has 6 videos in the playlist. The main video shows a student looking through a microscope. The video player controls at the bottom show a play button, a progress bar at 0:00 / 5:03, and various settings icons.

Intranet webpages with E4 training details and content

Dashboard Manage Stephanie Robin (v1srob16) LIVE

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E4 DTP
Edinburgh Earth, Ecology and Environment
Doctoral Training Partnership

E4 DOCTORAL TRAINING PARTNERSHIP

Home > E4 DTP > Administration > For current DTP students > E4 DTP Training [Contact us](#)

E4 DTP Training

All information about the E4 DTP training and how to find and record training activities.

E4 DTP Training Overview
[E4 DTP Training Overview \(139.77 KB PDF\)](#)

E4 DTP Training Programme 2022/2023
[E3-E4 DTP Training Programme 2022/23 \(193.61 KB PDF\)](#)

Training Needs Assessment and Training Log

Information on the Training Needs Assessment process and how to record training and output activities on the Training Log

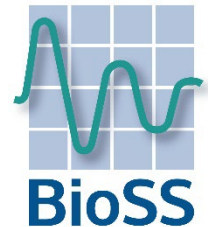
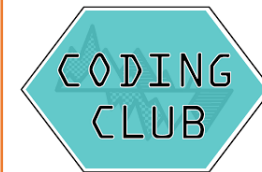
Finding training opportunities

Some guidance to help you look for specific or generic training

Change cookie settings

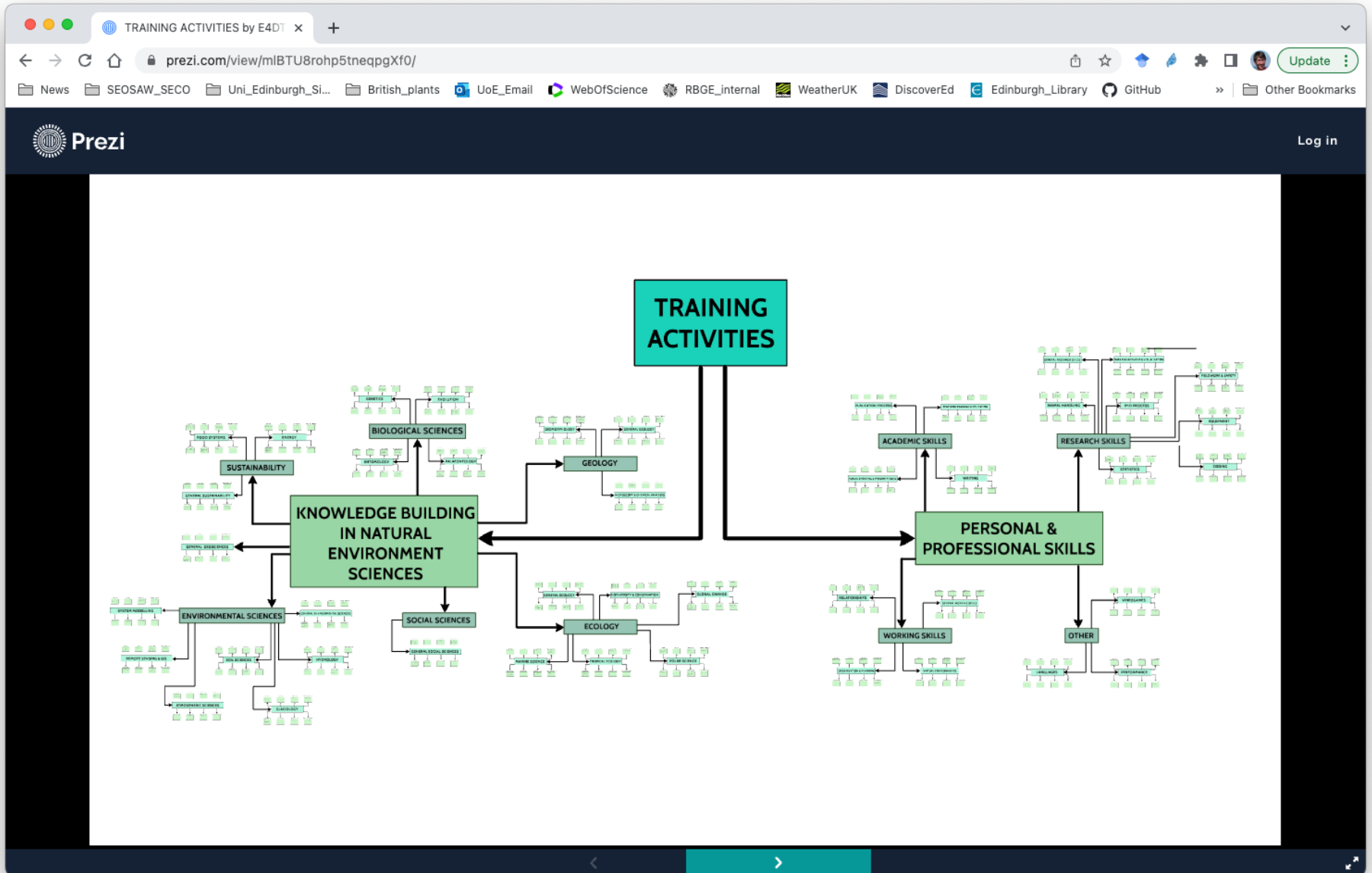
The Advanced training (organised by the student)

- Training you need for your research or professional development.
- Training Needs Analysis (November) will help you identify the training you need (TNA meetings with Massimo)
 - We use the Vitae Researcher Development Framework to assess skills and identify needs.
- How to find specific training:
 - E4 training decision support tool (prezi)
 - School and University- delivered training (Institute of Academic Development)
 - Via networks, research groups
 - Peer support such as Coding Club
 - Training offered by our partners (CEH, SAMS, BioSS, NERC facilities such as NEOF etc.)
 - Training offered via other schools/universities or via the project's external partner (check with external supervisors)

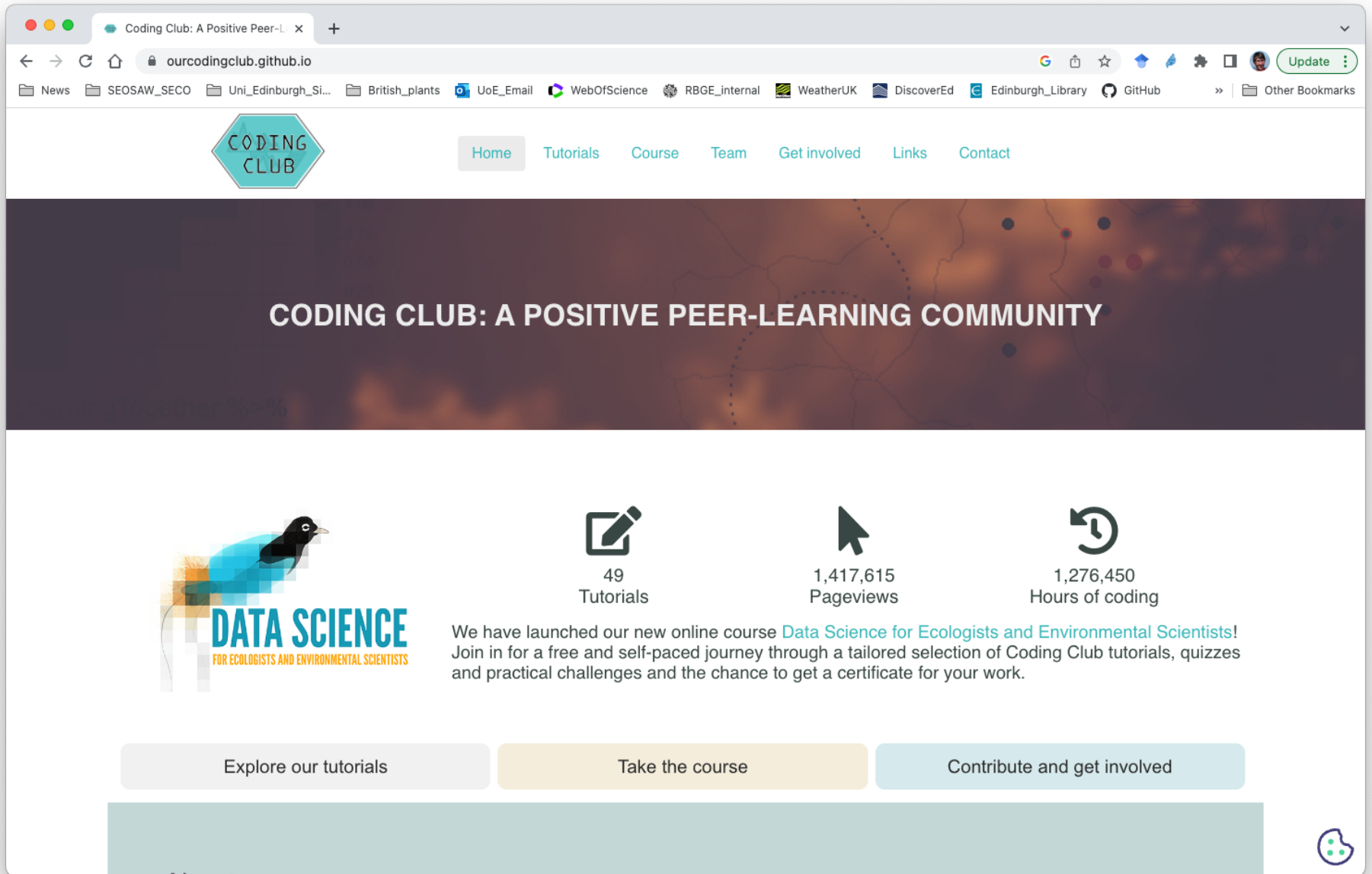


E4 Training Decision support tool

<https://prezi.com/view/mlBTU8rohp5tneqpgXf0/>



Resources for Quantitative Skills Development and Help




The screenshot shows the homepage of the Coding Club website. The browser address bar displays 'ourcodingclub.github.io'. The navigation menu includes 'Home', 'Tutorials', 'Course', 'Team', 'Get involved', 'Links', and 'Contact'. The main heading reads 'CODING CLUB: A POSITIVE PEER-LEARNING COMMUNITY'. A central graphic features a penguin and the text 'DATA SCIENCE FOR ECOLOGISTS AND ENVIRONMENTAL SCIENTISTS'. Three statistics are presented: 49 Tutorials, 1,417,615 Pageviews, and 1,276,450 Hours of coding. A promotional message states: 'We have launched our new online course [Data Science for Ecologists and Environmental Scientists!](#) Join in for a free and self-paced journey through a tailored selection of Coding Club tutorials, quizzes and practical challenges and the chance to get a certificate for your work.' Three call-to-action buttons are located at the bottom: 'Explore our tutorials', 'Take the course', and 'Contribute and get involved'.

Coding Club: A Positive Peer-Learning Community

Home Tutorials Course Team Get involved Links Contact

CODING CLUB: A POSITIVE PEER-LEARNING COMMUNITY

 **DATA SCIENCE**
FOR ECOLOGISTS AND ENVIRONMENTAL SCIENTISTS

49 Tutorials

1,417,615 Pageviews

1,276,450 Hours of coding

We have launched our new online course [Data Science for Ecologists and Environmental Scientists!](#) Join in for a free and self-paced journey through a tailored selection of Coding Club tutorials, quizzes and practical challenges and the chance to get a certificate for your work.

Explore our tutorials Take the course Contribute and get involved

Training available from Institute for Academic Development

ed.ac.uk/institute-academic-development/postgraduate/doctoral



Manage Massimo Bollasina (mbollasi)


Doctoral researchers

- Courses & events
- At a glance - workshops this month
- Advice & support
- Newsletter for PhD researchers
- Career management
- Networks & forums
- Funding
- International 3 Minute Thesis competition
- Resources for staff who support doctoral researchers

Postgraduate Researchers

Transferable skills and career management training, resources and support for researchers completing a Postgraduate Research Degree.

The 2023/24 Postgraduate Researcher brochure is now available. You can download a copy here:

 [IAD 2023/24 Postgraduate Researcher Brochure \(PDF\)](#)

Please note we recommend using Microsoft Edge to open the brochure

Courses & events

Information on our training courses and events for Postgraduate Researchers, including course details, eligibility, and how to book.

At a glance - workshops this month

Postgraduate Researcher workshops quick-glance schedule. Workshops this month and next.

Advice & support

Advice and training suggestions aimed at different stages of your PhD, plus useful guidance and contacts.

Newsletter for Postgraduate Researchers

Our newsletter, blog and Twitter for Postgraduate Researchers.

Career management

Information and advice on how to plan your career and develop the skills you will need now and in the future.

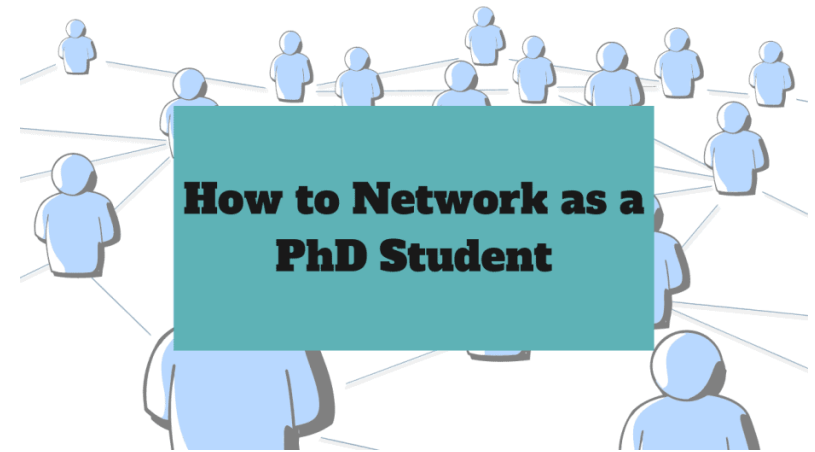
Networks & forums

Suggestions for finding networks and forums within which to engage with other researchers.

Funding

International 3 Minute Thesis Competition

Networking



- Networking is important as it:
 - **Enhances career development**
 - **Opens opportunities**
 - **Promotes ideas during research**
 - **Nurtures social skills**
 - **Fosters an open-minded approach**
- Students are encouraged to join networks/groups with common interests and relevant for their studies
- This will also be looked at during TNA

Look for seminars and discussion groups in your school - attend them!

University of Edinburgh

Search

General Posts Files Research groups and ... ACRONYMS Students Small Grants ...

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School of GeoSciences Research groups, reading groups, seminar series				
GEOGRAPHY AND THE LIVED ENVIRONMENT				
Name	Type	Contact	Regular events?	Other info (i.e. active/inactive, mailing list, etc.)
Cultural and Historical Geography	Research group	Pip Thornton		Active, email hannah for the mailing list
Environment and Society	Research group			
Geographies of Social Justice R	Research group	Nichola Khan		
Population, Health and Place	Research group	Laurie Berrie		
Edinburgh Earth Observatory Seminars	Seminar Series	Owen MacDonald	Fridays 17:00	https://www.ed.ac.uk/geosciences/news/edinburgh-eminars
Edinburgh Environment and Development Network		Sam Staddon		No web presence, info by email
Political ecology reading group	Reading group	Omar Saif		No web presence, info by email
Drummonds Reading Group	Reading group	Siying Wu	semi-regular	No web presence, info by email
EARTH AND PLANETARY SCIENCE				
Name	Type	Contact	Regular events?	Other info (i.e. active/inactive, mailing list, etc.)
Earth System Science - Crust to Core	Research Group	Lara Kalnins	Wednesday coffee, Thursday journal club	
Edinburgh Earth Resources - GeoEnergy Group	Research Group	Stuart Gilfillan	2-3pm fortnightly on Thursdays	Relevant to anyone working on applied research in the and GeoEnergy area
Edinburgh Geohazards	Research Group			
Geobiology and Geochemistry	Research Group			
Palaeontology and Geobiology	Research Group	Steve Brusatte and Rachel Wood	Wednesday (15:00-16:00) General Palaeontology Team Meeting	Part of this research group (Geobiology) is relevant to Palaeontology subgroup of this research team organize activities during the week - contact Steve Brusatte (stephen.brusatte@ed.ac.uk) or Rachel Wood (rachel.wood@ed.ac.uk) to be added to the mailing list.
GLOBAL CHANGE				
Name	Type	Contact	Regular events?	Other info (i.e. active/inactive, mailing list, etc.)
Global Change Seminar Series	Seminar series	Claudia Colesie, Richard Essery, Steve Hancock, Eladio Figueroa	Wednesdays 13:00	https://www.ed.ac.uk/geosciences/news/global-change
Atmospheric Chemistry and Climate in the Anthropocene	Research group			Active. Informal presentations and research updates. Participants include PhD students, research staff and a Contact Steve Hancock to be added to the mailing list.
Biosphere	Research group	Steve Hancock	Mondays 10:00 in Room 304/302 Crew Building	active, there is a mailing list for people who want to join. Active, contact Marina (marina.ruiz.so@ed.ac.uk) to be added to the mailing list
Cryosphere	Research group	Hannah Bischof, Helen Ockenden	11:00	
Land Surface Dynamics	Research group	Marina Ruiz Sanchez-Oro	Tuesdays 11:00	
Oceans and Past Climate	Research group			
Hutton Club	Seminar series	TBD	Fridays at 16:00	https://www.ed.ac.uk/geosciences/news/hutton
Edinburgh University Atmosphere-Biosphere Programme (EUBAP)	Presentations and seminars			Inactive, has been replaced through active Biosphere above was through Microsoft Teams

Developing your relationship with your supervisor(s)

A collaboration, by the end of the PhD it should be a collaboration of equals

As a student, you can be expected to

- Display initiative, commitment and work ethic
- Communicate clearly and openly
- Be proactive, meet deadlines
- Set clear expectations from the beginning
- Be respectful and professional
- Take responsibility for your progress
- Be on time and prepared for meetings
- Look after yourself
- Identify barriers and difficulties

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You can expect supervisors to

- Work with you to develop project and progress
- Ensure you receive appropriate research and technical skills training
- Behave professionally and respect you
- Be sensitive to the unique needs of each student
- Ask you what you want to get out of the PhD and help you achieve your goals
- Provide prompt and constructive feedback on work
- Be available for regular meetings, let students know when not

Developing your relationship with your supervisor(s)

A collaboration, by the end of the PhD it should be a collaboration of equals

As a student, you can be expected to

- Display initiative, commitment and work ethic

Other things

- Not all supervisors will be up-to-date on logistical details. Ask your fellow students too!
- Frequency of meetings depends on the student/project
- Try to meet in person, take notes
- Encourage group meetings
- Build the relationship through joint activities

- Look after yourself
- Identify barriers and difficulties

You can expect supervisors to

- Work with you to develop project and progress

of the PhD and help you achieve your goals

- Provide prompt and constructive feedback on work
- Be available for regular meetings, let students know when not

What comes next?



Natural Environment Research Council



THE UNIVERSITY of EDINBURGH

E4 DTP Core Training Workshops and Events - Academic year 2023/2024

Training Title	Description	Date	Time	Location	Aimed at	Open to other DTP students	Open to non-DTP students
E4 DTP Induction	Induction session for our new 2023 cohort	12/09/2023	Date: (Showing All) 00	Central, ECCI, T&S room	Year 1	No	No
Extended Frontiers Series Meeting	Year 2 cohort meets to organise the Extended Frontiers Series in Semester 2	21/09/2023	16:00-18:00	KB, Grant Museum	Year 2	Yes - Advance booking required	Yes - Advance booking required
Frontiers in Environmental Sciences #1	Lecture Course with speakers from all Environmental Sciences - Hannah Wauchope	26/09/2023	15:00-17:00	The Pod, ECCI	Year 1 (but open all years)	Yes - Advance booking required	Yes - Advance booking required
ECCI Consultancy Innovation Training Introduction	Introduction to the Consultancy Innovation training programme led by ECCI	03/10/2023	15:00-17:00	Central, ECCI, Conference room	Year 1 (but open all years)	Yes - Advance booking required	Yes - Advance booking required
Excellence in NERC-remit Research	Year 1 residential workshop to Firbush Outdoor Activity Centre (Loch Tay) - Includes Frontiers Lecture #2	04-06/10/2023	n/a	Firbush Outdoor Activity Centre - Loch Tay	Year 1	No (space is too limited)	No (space is too limited)
Frontiers in Environmental Sciences #3	Lecture Course with speakers from all Environmental Sciences - David Harris (RBGE)	17/10/2023	15:00-17:00	Conference Room, ECCI	Year 1 (but open all years)	Yes - Advance booking required	Yes - Advance booking required