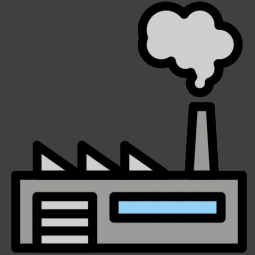*The Turing Way:*
Environmental Sustainability Collaborators Group

Inspire and join forces with open science communities to contextualise open research practices for environmental data scientists
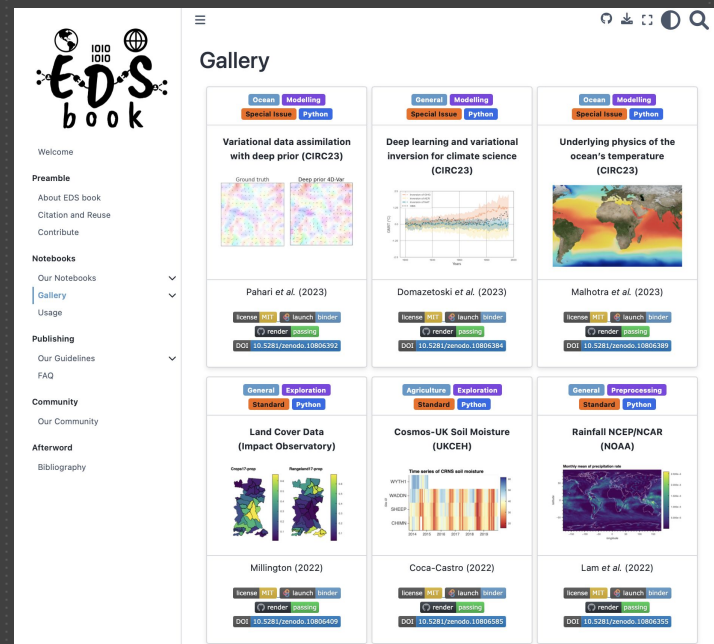
Collaborate with researchers, open movements and activists working on how minimising the environmental impacts of data science

Environmental Data Science book

VOL.2

Inspired by the Turing Way and validated in the Open Seeds Programme

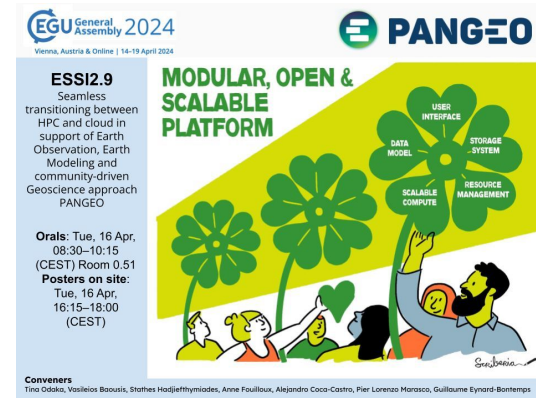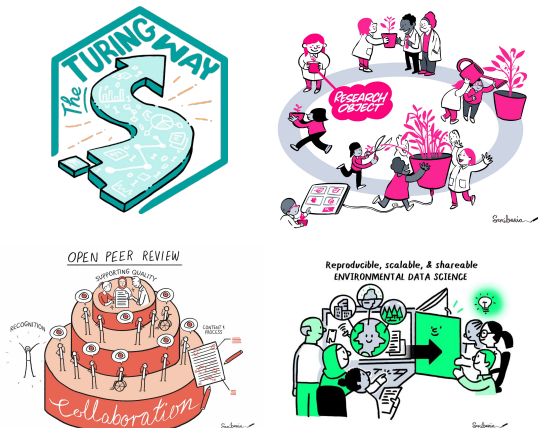*We **co-create** computational notebooks to showcase and support the publication of*

- *Data*

- *Research*

- *Open-source tools*

*for **collaborative**, **reproducible** and **transparent** Environmental Data Science*

www.edsbook.org

New subchapter
"Research Objects in Action"

Scriberia illustrations

Joint community presence
(Turing Environment &
Sustainability GC, Fireside Chat)

24 participants (and 9 reviewers)
from America, Europe and Asia

EDS book as the core platform
to submit interactive
reproduction reports

13 notebooks covering multiple
topics using Pangeo stack

Sessions at EGU (2022-2024)

Workshops in FOSS4G & BiDs23

The Environmental Impact of Digital Research

Subchapter incepted after discussions in TTW issue (Nov 2022) and CW23, and follow-up a speed blog (Aug 2023)

TTW allowed a broader participation from the community via Book Dash (May 2023)

Fireside chat on sustainability and research

Between computation, climate and culture: perspectives on sustainability and research

29 June, 14:00 - 15:30 UTC+1 – *Register on Eventbrite*

Alejandro Coca-Castro
Founder
Environmental Data Science Book

Carlos Martinez-Ortiz
Community Manager
Netherlands eScience Centre

Shannon Dosemagen
Director
Open Environmental Data Project

Claire Buckley
Environmental Consultant
Julie's Bicycle

Anne Pasek
Convener & Co-Founder
Low Carbon Research Methods

Loïc Lannelongue
Research Associate
University of Cambridge,
Green Algorithms initiative

Hosted by:

Co-hosted by The Turing Way, Environmental Data Science book (EDS book) and Netherlands eScience Center

The first tangible knowledge share event of the Turing Way E&S collaborators group

#environmental-sustainability channel in the Turing Way slack workspace

Resources

Fireside Chat

Between computation, climate and culture: perspectives on sustainability and research

https://youtu.be/vrkFFswPGOE
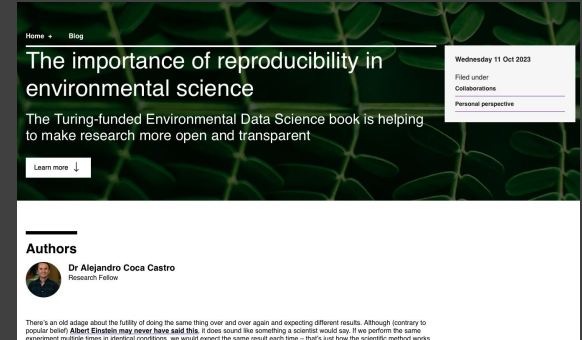

Sub-chapter

The Environmental Impact of Digital Research

https://book.the-turing-way.org/ethical-research/activism/activism-env-impact) sub-chapter

Blog post

The importance of reproducibility in environmental science

https://www.turing.ac.uk/blog/importance-reproducibility-environmental-science