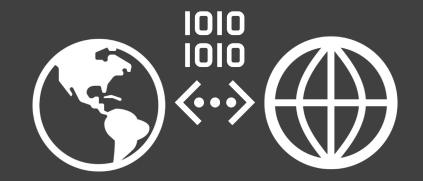


The Alan Turing Institute

The Environmental DS Book: Showcasing Reproducible Environmental Data Science



Alejandro Coca-Castro¹, Scott Hosking^{1,2} & The Environmental DS community³ They/Their



The Environmental DS Book



A **living**, **free** and **open** online resource to **showcase** and **support** the **publication** of data, research and open-source tools for collaborative, reproducible and transparent **Environmental Data Science**





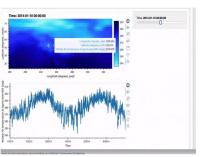
High-level ideas











jupyter {book}



Open-source

Interactable

Shareable

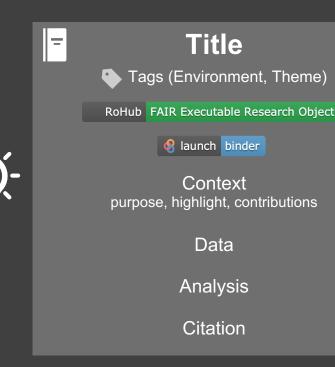
Reproducible



Gallery with FAIR notebooks









Automated executable notebooks

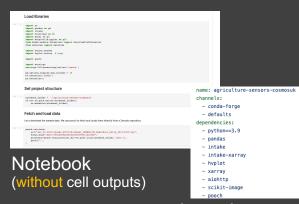




Template (basic)



Upload notebook + extra setting files



conda environment





Executed Notebook (with cell outputs)



Use this template



Publication process





Collaborative Reviewing

Publication

Contribution

A community-driven platform for publishing and improving scientific software

practises in the environmental science community



Remarkable progress











co-working meetings

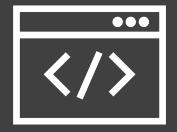


Future work











Dashboards to inform use/dev open-source (awesome-like repositories)

More programming languages & open-source communities (Julia, R, JavaScript)

New community coworking & share-out activities (e.g. Show and Tell)



Big thanks!

The Open Science Community









The Environmental DS community

6 Authors

6 Reviewers

10+ participants in co-working sessions

+Advisors/Contributors





British Antarctic Survey NATURAL ENVIRONMENT RESEARCH COUNCIL

526+ users? (visits since Dec'21)















Contribution and suggestions are welcome!





https://the-environmental-ds-book.netlify.app





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