

# 2023 Climate Informatics Reproducibility Challenge Registration

Welcome to the 2023 Climate Informatics Reproducibility Challenge!

## Objectives

This year's challenge aims to build community, facilitate collaboration, and advance open science within the Climate Informatics community, continuing the tradition of an annual Climate Informatics conference-associated hackathon whilst drawing inspiration from [The ML Reproducibility Challenge](#).

## Overview

In this year's challenge, teams of 2-4 will collaborate to create a notebook which reproduces the key contributions of a published environmental data science paper for eventual integration in the open-source [Environmental Data Science \(EDS\) Book](#). Over the course of a month, teams will locate the data and code associated with their chosen paper; train, validate, and test the models used in the paper; visualise key results from these experiments; discuss their work with peer reviewer(s); and ultimately weave together a narrative illuminating the value of open science which culminates in a citeable, DOI-tagged notebook. Teams will further have the opportunity to network and exchange technical Q&A with fellow participants in weekly drop-in socials throughout the competition. Check out [this notebook](#) in the EDS book which reproduces [IceNet \(Andersson, 2021\)](#) for an example of what you'll be working towards!

## Tracks

Teams may choose to join the challenge through one of two tracks:

1. Pre-Approved Paper Track: Reproduce a paper pre-approved by the Organising Committee to have sufficient data and code availability. Pre-approved papers are listed in alphabetical order [here](#).
2. Participant-Suggested Paper Track: Suggest a paper to reproduce, subject to approval by the Organising Committee. This mechanism is designed to ensure teams choose papers which are realistic to reproduce in a month.

## Peer-Review

All notebooks within the EDS book are peer-reviewed to maintain a high standard of scientific integrity. A pool of peer reviewers consisting of original authors of pre-approved papers, reviewers for the Climate Informatics conference, and other members of the Climate Informatics and EDS book communities will begin working with participants at the two-week mark of the competition to sharpen the submission and ensure it is ready for publication in the EDS book following the competition.

## Judging

Submissions to both tracks will be judged together by the following panel of environmental data science experts on the basis of their adherence to open science and FAIR practices, adherence to the objectives of the EDS book, and tutorial contributions, adjusted to consider the amount of resources

provided by the authors of the original paper.

- [Alejandro Coca-Castro, The Alan Turing Institute](#)
- [Anne Fouilloux, Simula Research Laboratory](#)
- [Douglas \(Yuhan\) Rao, North Carolina Institute for Climate Studies](#)

### Prizes

Each member of the winning team will receive a free book of their choosing (up to £500 in value split across the winning team) published by Cambridge University Press. Note that all participants who complete the challenge will have authorship on a citeable, DOI-tagged notebook within the [Environmental Data Science \(EDS\) Book](#) for listing on their CV.

### Conference

Registration for the challenge is free and does not require registration to the [12th International Conference on Climate Informatics](#) held in Cambridge from 19-21 April, though we do encourage researchers interested in the topics covered by the conference to attend in-person or virtually. Registration for the conference is open through 3 April [here](#).

### Summary

Too long; didn't read? Here is the TL;DR on the 2023 Climate Informatics Reproducibility Challenge:

- Teams of 2-4
- Reproducing an existing environmental data science paper as a notebook
- Submissions to be judged after one month
- Winning team to receive Cambridge University Press book of their choosing
- Authorship on a citeable, DOI-tagged notebook to be integrated within the [Environmental Data Science \(EDS\) Book](#)
- Great networking and community-building opportunity

### Dates

Key dates for the 2023 Climate Informatics Reproducibility Challenge:

- Challenge Registration Closes (Participants): 28 April @ 23:59 AOE
- Challenge Registration Closes (Reviewers): 13 May @ 23:59 AOE
- Teams & Project Assignments Announced: 30 April
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- Peer Review Begins: 15 May @ 00:00 AOE
- Challenge Ends: 31 May @ 23:59 AOE
- Results Announced: 15 June
- Submissions Integrated into EDS Book: Throughout summer

### Organising Committee

The 2023 Climate Informatics Reproducibility Challenge Organising Committee warmly welcomes you participation.

- [Andrew McDonald, University of Cambridge and British Antarctic Survey](#)
- [Alejandro Coca-Castro, The Alan Turing Institute](#)

- [Anne Fouilloux, Simula Research Laboratory](#)
- [Andrew Hyde, Cambridge University Press](#)

### Contact

Please direct any questions to Andrew McDonald at [arm99@cam.ac.uk](mailto:arm99@cam.ac.uk). Follow us on Twitter [@Climformatics](#) for updates as the conference and competition approaches!

\* Indicates required question

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### General Information

This section collects general information to get your registration started.

1. First Name \*

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2. Last Name \*

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3. Email \*

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4. GitHub Username \*

A GitHub account is required to participate in this competition. Create a free account at <https://github.com/join> if you do not already have one.

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5. Affiliation(s) \*

Please separate multiple affiliations by semicolon, e.g., "University of Cambridge; British Antarctic Survey"

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## 6. Career Stage \*

Mark only one oval.

- Undergraduate Student
- Master's Student
- PhD Student
- Postdoc
- Lecturer / Professor
- Researcher
- Engineer
- Other: \_\_\_\_\_

## 7. Career Sector \*

Mark only one oval.

- Academia
- Industry
- Government
- Nonprofit/NGO
- Other: \_\_\_\_\_

## 8. Timezone \*

Please enter the timezone in which you will be based during the hackathon using the format "UTC±n" where n is an integer, e.g., UTC-4 for Eastern Daylight Time or UTC+1 for British Summer Time.

\_\_\_\_\_

## 9. Preferred Programming Language \*

Please select all languages you would be comfortable working with. Most pre-approved codebases are in Python, but we acknowledge that R and Julia are also widely used in this space.

*Tick all that apply.*

- Python
- R
- Julia
- Other: \_\_\_\_\_

## 10. Relevant Skills \*

Please select all skills you feel you could contribute to a team. You will not be penalised for your response to this question. The goal of this reproducibility challenge is learning and growth!

*Tick all that apply.*

- Version Control (e.g., Git, GitLab, GitHub)
- Machine Learning (e.g., scikit-learn, numpy, scipy, tensorflow, pytorch)
- Geodata (e.g., GIS, geopandas, gdal, cartopy)
- Visualisation (e.g., matplotlib, seaborn, ggplot, plotly, bokeh, leaflet)
- Interactive Computing (e.g., ipython, Jupyter Notebooks, Jupyter Lab)
- Cloud Computing (e.g., Binder, Colab, Jupyter Hub)
- Organisation (e.g., project management, sprint planning, communications)
- Other: \_\_\_\_\_

## Team and Project Information

This section collects information regarding team and project preferences.

## 11. Preferred Teammates

Please list preferred teammates here using their GitHub usernames separated by semicolons (e.g. janedoe; johnsmith). Note that all team members must fill this form, i.e., it is not sufficient for one team member to fill this form on behalf of an entire team. If you do not have preferred teammates, please leave this field blank, and we will aim to match you with other participants expressing similar interests.

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## 12. Track Selection \*

There are two tracks for participation in this year's Reproducibility Challenge.

1. Pre-Approved Paper Track: Reproduce a paper pre-approved by the Organising Committee to have sufficient data and code availability. Pre-approved papers are listed [here](#).
2. Participant-Suggested Paper Track: Suggest a paper to reproduce, subject to approval by the Organising Committee. This mechanism is designed to ensure teams choose papers which realistic to reproduce in a month.

*Mark only one oval.*

- Pre-Approved      *Skip to question 13*
- Participant-Suggested      *Skip to question 14*

### Pre-Approved Paper Track

In this track, you will reproduce a paper pre-approved by the Organising Committee to have sufficient data and code availability. Pre-approved papers, along with various metadata concerning their data and code, are listed [here](#). Rank the pre-approved papers in terms of your interest below. We will make every effort to assign teams to the papers which interest them most, but we must also ensure no two teams reproduce the same paper.

## 13. Ranking of interest in pre-approved papers

Rank the pre-approved papers in descending order of your interest below from 1st (Top) Choice to

Rank the pre-approved papers in ascending order of your interest below, from 1st (Top) Choice to 5th Choice. Note that you may only select one paper for each choice.

Mark only one oval per row.

	1st (Top) Choice	2nd Choice	3rd Choice	4th Choice	5th Choice
<b>A dependent multimodel approach to climate prediction with Gaussian processes</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>A sensitivity analysis of a regression model of ocean temperature</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>A spatiotemporal stochastic climate model for benchmarking causal discovery methods for teleconnections</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Deep prior in variational assimilation to estimate an ocean circulation without explicit regularization</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Detection and attribution of climate change: A deep learning and variational approach</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Exploring decomposition of temporal patterns to facilitate learning of neural networks for ground-level daily maximum 8-hour average ozone prediction</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>High-resolution tropical rain-forest canopy climate data</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Learning the spatiotemporal relationship between wind and significant wave height using deep learning</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Long-term stability and generalization of observationally-constrained stochastic data-driven</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**models for geophysical turbulence**

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**Modeling and simulating spatial extremes by combining extreme value theory with generative adversarial networks**    **Neural network attribution methods for problems in geoscience: A novel synthetic benchmark dataset**    **PaleoRec: A sequential recommender system for the annotation of paleoclimate datasets**    **Physics-informed learning of aerosol microphysics**    **Quantifying uncertainty in land cover mappings: An adaptive approach to sampling reference data using Bayesian inference**    **Statistical mechanics in climate emulation: Challenges and perspectives**    

*Skip to question 19*

**Participant-Suggested Paper Track**

In this track, you may suggest a paper to reproduce, subject to approval by the Organising Committee. This mechanism is designed to ensure teams choose papers which are realistic to reproduce in a month.

14. Paper Title \*

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15. DOI or URL to Paper \*

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16. DOI or URL to Data Associated with Paper \*

If there is no DOI or URL to data associated with the paper, please use this field to explain how you will access the data used in this paper.

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17. DOI or URL to Code Associated with Paper \*

If there is no DOI or URL to code associated with the paper, please use this field to explain how you will access the code used in this paper.

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18. Additional Comments on Reproducibility

Please use this field if you feel it is necessary to justify the feasibility of reproducing this work.

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*Skip to question 19*

## Confirmations

Please check the following confirmations before finalising your registration.

## 19. Environmental Data Science Book Code of Conduct \*

I have read and agree to abide by the [Environmental Data Science Book Code of Conduct](#).

*Mark only one oval.*

Yes

## 20. GDPR Statement \*

We need to store your e-mail address to contact you. The information provided in this form will be shared only with the 2023 Climate Informatics Reproducibility Challenge organisers to help them review your application fairly. These details will be stored in a Google Drive that core Climate Informatics organisers have access to. The servers are based in the USA. You can ask for your e-mail address or any information to be removed from our database at any time. If you have any question please contact us by emailing Andrew McDonald at [arm99@cam.ac.uk](mailto:arm99@cam.ac.uk). You may edit your response after submission until 22 April 2023.

I understand and accept this GDPR statement.

*Mark only one oval.*

Yes

Thank You!

Your registration for the challenge will be complete once you click the "Submit" button.

One quick reminder: Registration for the challenge is free and does not require registration to the [12th International Conference on Climate Informatics](#) held in Cambridge from 19-21 April, though we do encourage researchers interested in the topics covered by the conference to attend in-person or virtually. Registration for the conference is open through 3 April [here](#).

We look forward to seeing your contributions to this year's challenge and hope to meet you in-person or virtually at Climate Informatics 2023! Follow us on Twitter [@Climformatics](#) for updates as the conference and competition approaches!

21. Any additional questions/comments/ideas/feedback?

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# 2023 Climate Informatics Reproducibility Challenge - Reviewer Registration

Welcome to the 2023 Climate Informatics Reproducibility Challenge!

🌟 Please sign up here if you'd like to be a reviewer for the challenge. This should only less than 5 minutes. 🌟

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## 5. Affiliation(s) \*

Please separate multiple affiliations by semicolon, e.g., "University of Cambridge; British Antarctic Survey"

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## 6. Career Stage \*

*Mark only one oval.*

Undergraduate Student

Master's Student

PhD Student

Postdoc

Lecturer / Professor

Researcher

Engineer

Other: \_\_\_\_\_

## 7. Career Sector \*

*Mark only one oval.*

Academia

Industry

Government

Nonprofit/NGO

Other: \_\_\_\_\_



## 8. Timezone \*

Please enter the timezone in which you will be based during the hackathon using the format "UTC±n" where n is an integer, e.g., UTC-4 for Eastern Daylight Time or UTC+1 for British Summer Time.

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## 9. Preferred Programming Language \*

Please select all languages you would be comfortable reviewing. Most pre-approved codebases are Python, but we acknowledge that R and Julia are also widely used in this space.

*Tick all that apply.*

Python

R

Julia

Other: \_\_\_\_\_

## 10. Relevant Skills \*

Please choose domains/topic areas you are comfortable reviewing.

*Tick all that apply.*

- Climate Science
- Computer Science
- Earth Systems Science
- Environmental Science
- Geography
- Geoscience
- Hydrology
- Oceanography
- Statistics
- Cloud Computing (e.g., Binder, Colab, Jupyter Hub)
- Data manipulation/management
- Environmental Prediction (forecasting, downscaling, data assimilation, model ensembling and model parameterisation)
- Interactive Computing (e.g., ipython, Jupyter Notebooks, Jupyter Lab)
- Machine Learning
- Reproducible Research
- Remote Sensing
- Spatial/GIS
- Version Control (e.g., Git, GitLab, GitHub)
- Software Engineering
- Visualisation
- Other: \_\_\_\_\_

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Yes

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13. Any additional questions/comments/ideas/feedback?

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# 2023 Climate Informatics Reproducibility Challenge Feedback

Thank you for your participation in the 2023 Climate Informatics Reproducibility Challenge!

We'd like to gather feedback on several aspects of the challenge to help us plan future events. The survey is designed to be completed in approximately 10 minutes. Please respond by June 30th!

Please do get in touch with us at [acoca@turing.ac.uk](mailto:acoca@turing.ac.uk) or [arm99@cam.ac.uk](mailto:arm99@cam.ac.uk) if you have any thoughts or comments that aren't covered by this survey.

Note that this survey is by default anonymous unless you choose to disclose identifying data in your responses.

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\* Indicates required question

1. How did you hear about the CIRC? \*

CIRC = Climate Informatics Reproducibility Challenge

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## 2. Career Stage \*

*Mark only one oval.*

- Undergraduate Student
- Master's Student
- PhD Student
- Postdoc
- Lecturer / Professor
- Researcher
- Engineer
- Other: \_\_\_\_\_

## 3. Career Sector \*

*Mark only one oval.*

- Academia
- Industry
- Government
- Nonprofit/NGO
- Other: \_\_\_\_\_

## 4. What was your role in the CIRC? \*

*Mark only one oval.*

- Participant     *Skip to question 5*
- Reviewer     *Skip to question 21*

## CIRC Participant

This section is for participants in the 2023 CIRC!

### P.1. Completion Subsection

You'll be done with this survey in no time! This subsection gathers your information regarding completion of the CIRC.

5. Did you complete the challenge (i.e., were you a member of a team that submitted a notebook)?

*Mark only one oval.*

Yes

No

6. [Optional] If you did not complete the challenge and are willing to share why, please use this space to explain. We understand the busy life of academics and are keen to improve future challenges with this feedback!

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### P.2. Overall Perception Subsection

Great start! This subsection gathers your overall perceptions of the CIRC.

7. Please rate the following overall aspects of the CIRC on a scale of 1 to 5. \*

Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

*Mark only one oval per row.*



	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>The guidelines and instructions provided throughout the challenge were clear.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The cloud computing infrastructure provided by C-SCALE was useful for sharing data, running code, and performing computations.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The EDS book platform (via GitHub) was accessible and user-friendly.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Challenge organisers were responsive and helpful in addressing queries or concerns.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Communication regarding the challenge timeline was clear and sufficiently frequent.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The peer review process was helpful and constructive.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The coffee &amp; chat sessions were helpful for debugging and discussing.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The "Talk with the Expert" series was helpful and insightful.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I am satisfied overall with the 2023 CIRC.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding overall aspects of the CIRC.

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**P.3. Paper/Project Selection Subsection**

Nice work so far! This subsection covers the paper/project selection structure provided by the CIRC.

9. Please rate the following aspects of paper/project selection on a scale of 1 to 5. \*  
 Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

*Mark only one oval per row.*

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>There was an adequate range of pre-selected papers from which to choose.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The pre-selected papers provided sufficient material (code, data, etc.) to work with when reproducing results.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was satisfied with the paper/project selection process overall.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding paper/project selection.

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11. [Optional] Why did you choose the paper you chose to reproduce? What considerations did you take into account? Did you consider choosing any other papers?

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#### P.4. Participant/Team Onboarding Subsection

Speeding along! This subsection covers the onboarding structure provided by the CIRC.

12. Please rate the following aspects of participant/team onboarding on a scale of 1 to 5. \*  
 Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

Mark only one oval per row.

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>I was matched with teammates having shared research interests and goals.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was adequately informed about the expectations and requirements for participants/teams.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was provided with sufficient helpful and accessible resources to help prepare for the reproducibility task.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was satisfied with the onboarding process overall.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding participant/team onboarding.

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### P.5. Communications Subsection

Speeding along! This subsection covers the communications structure provided by the CIRC.

14. Please rate the following aspects of communications on a scale of 1 to 5. \*

Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

*Mark only one oval per row.*

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>The challenge organisers were responsive and helpful in addressing my queries and concerns.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I received sufficient details about logistical arrangements, schedules, and deadlines.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Slack and GitHub were good platforms for communication.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was satisfied with the communications from the CIRC team overall.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding communications.

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### P.6. Support Subsection

Making progress! This subsection covers the support structure provided by the CIRC.

16. Please rate the following aspects of support on a scale of 1 to 5. \*

Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

*Mark only one oval per row.*

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>I was provided with technical assistance as needed during my submission preparation.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I felt supported by the organising committee and reviewers throughout my submission.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I felt supported by my team throughout my submission.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was satisfied with the support I received overall.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding support.

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## P.7. Open-Ended Subsection

Almost finished! This section is optional and provides space for you to share long-form feedback.

18. [Optional] Approximately how much time did you spend on the reproducibility challenge (overall hours, number of hours per day, etc.)?

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19. [Optional] What major obstacles did you encounter throughout the reproducibility challenge (broad categories of which multiple may apply: insufficient documentation, proprietary data, proprietary software, unavailable hardware/infrastructure)?

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20. [Optional] Are there any other changes you would recommend in the design/management/administration of future reproducibility challenges?

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*Skip to question 32*

## CIRC Reviewer

This section is for reviewers in the 2023 CIRC!

### R.1. Overall Perception Subsection

This subsection gathers your overall perceptions of the CIRC.

21. Please rate the following overall aspects of the CIRC on a scale of 1 to 5. \*

Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

*Mark only one oval per row.*

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>I felt qualified to review the paper assigned to me and felt it aligned with my interests/expertise.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was provided with clear reviewing guidelines and instructions.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The EDS book platform (via GitHub) was accessible and user-friendly.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Challenge organisers were responsive and helpful in addressing queries or concerns.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Communication regarding the challenge timeline was clear and sufficiently frequent.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>The expected time commitment (five hours)</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



**was accurate.**

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**Sufficient time (one week) was allocated for reviewing.**

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**Reviewing took place at the appropriate point (in the fourth and final week) within the Reproducibility Challenge.**

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**The peer review process was helpful and constructive.**

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**I am satisfied overall with the 2023 CIRC.**

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22. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding overall aspects of the CIRC.

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### R.2. Reviewer Onboarding Subsection

Speeding along! This subsection covers the onboarding structure provided by the CIRC.

23. Please rate the following aspects of reviewer onboarding on a scale of 1 to 5. \*

Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

Mark only one oval per row.

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>I was matched with a team having shared research interests and goals.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I felt adequately informed about the expectations and requirements for reviewers.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was provided with sufficient helpful and accessible resources to prepare for the reproducibility review.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was satisfied with the onboarding process overall.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding reviewer onboarding.

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### R.3. Communications Subsection

Speeding along! This subsection covers the communications structure provided by the CIRC.

25. Please rate the following aspects of communications on a scale of 1 to 5. \*

Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

Mark only one oval per row.

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>The challenge organisers were responsive and helpful in addressing my queries and concerns.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I received sufficient details about logistical arrangements, schedules, and deadlines.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>GitHub was a good platform for communications throughout the review process.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was satisfied with the communications from the CIRC team overall.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

26. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding communications.

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### R.4. Support Subsection

Making progress! This subsection covers the support structure provided by the CIRC.

27. Please rate the following aspects of support on a scale of 1 to 5. \*

Note that 1 represents "Strongly Disagree" and 5 represents "Strongly Agree." Please select the N/A option if you feel the question does not apply to you.

*Mark only one oval per row.*

	1 - Strongly Disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly Agree	N/A
<b>I was provided with technical assistance as needed during my review preparation.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I felt supported by the organising committee throughout my review.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>I was satisfied with the support I received overall.</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

28. [Optional] Please use this space to elaborate on your responses to the above Likert-scale questions regarding support.

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### R.5. Open-Ended Subsection

Almost finished! This section is optional and provides space for you to share long-form feedback.

29. [Optional] Approximately how much time did you spend on the review (overall hours, number of hours per day, etc.)?

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30. [Optional] What major obstacles did you encounter throughout the review? (broad categories of which multiple may apply: insufficient documentation, proprietary data, proprietary software, unavailable hardware/infrastructure)?

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31. [Optional] Are there any other changes you would recommend in the design/management/administration of future reproducibility challenges?

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*Skip to question 32*

### Thank You!

Thank you for taking the time to provide feedback on the inaugural CIRC! Your opinions and suggestions are invaluable in helping us improve and shape future challenges. We truly appreciate your participation and engagement. Please do get in touch with us at [acoca@turing.ac.uk](mailto:acoca@turing.ac.uk) or [arm99@cam.ac.uk](mailto:arm99@cam.ac.uk) if you have any thoughts or comments that aren't covered by this survey.

We hope to meet you in-person or virtually at Climate Informatics 2024 and hope you'll consider staying involved in the EDS Book project! Follow us on Twitter [@Climformatics](https://twitter.com/Climformatics) [@eds\\_book](https://twitter.com/eds_book) for updates!

32. Any additional feedback/comments/ideas/questions?

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