





Training By and For the CF Community: An Example of Community Engagement

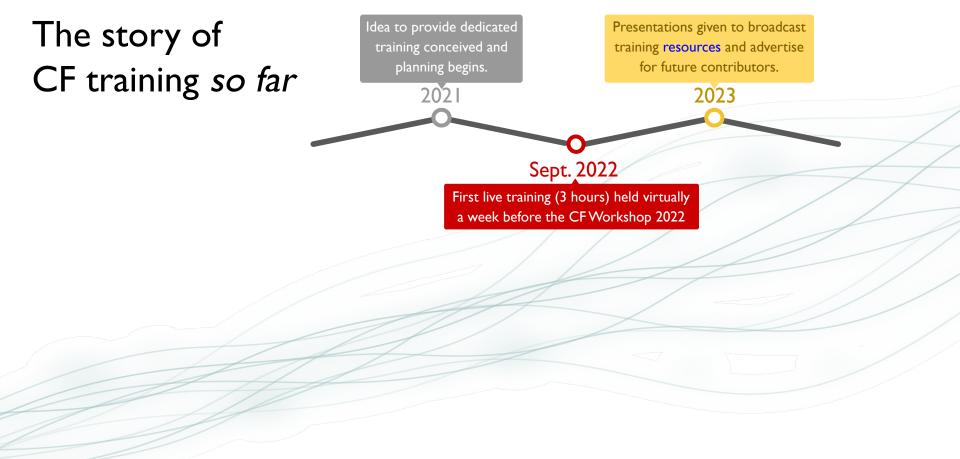
Alison Pamment^{1,2} and Sadie Bartholomew^{1,3};*

- 1. National Centre for Atmospheric Science
- 2. UK Research and Innovation
- 3. University of Reading
- *: presenting in-person

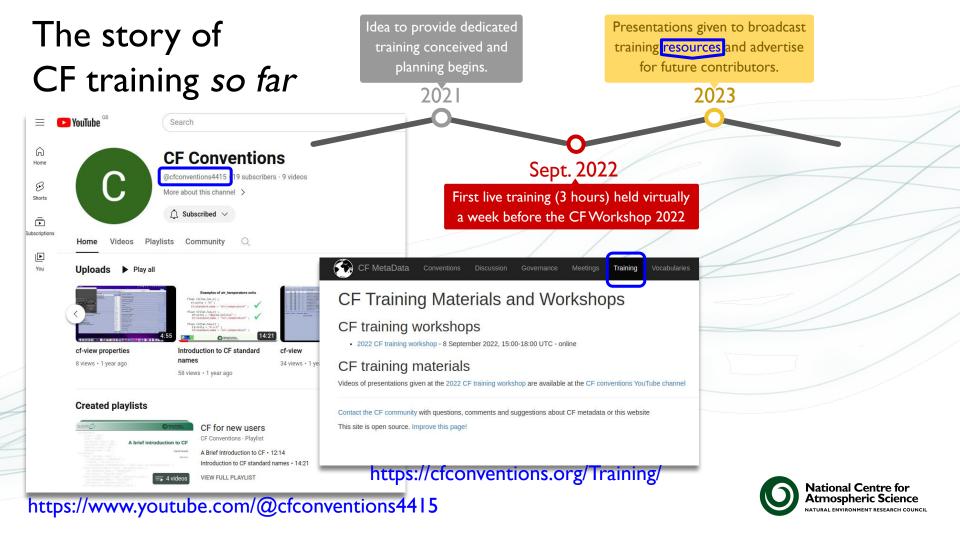
American Geophysical Union Annual Meeting 2023 (AGU23)

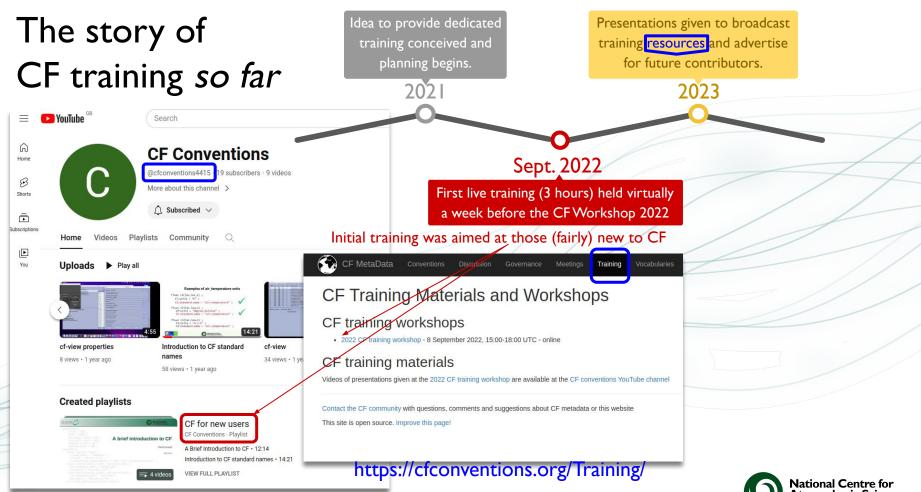
CF and NetCDF: 30 Years of Wide-Open Science

13th December 2023









https://www.youtube.com/@cfconventions4415

The story of CF training so far

Idea to provide dedicated training conceived and planning begins.

Presentations given to broadcast training resources and advertise for future contributors.

2021

2023



Sustainability and accessibility ⇒ materials created/used hosted openly and freely online

Very useful

Fairly useful

Not at all useful

Applicability ⇒ coverage spanning domains (generalised to specialised), levels of expertise, user roles



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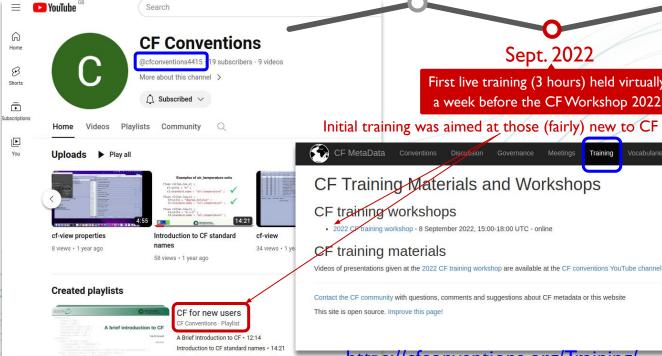
Aims for future: get more of community involved; add more advanced and specialised content; new formats

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2021



First live training (3 hours) held virtually a week before the CF Workshop 2022

https://cfconventions.org/Training/

Key considerations:

76%

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Did you find this training session useful?

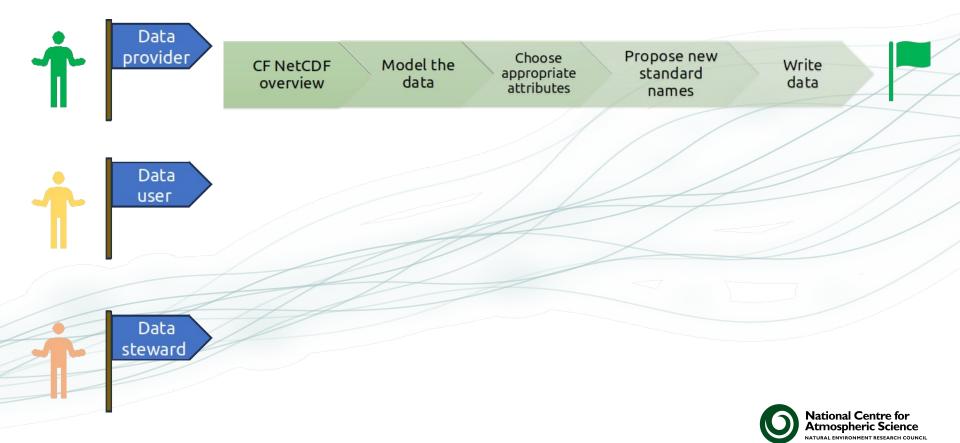
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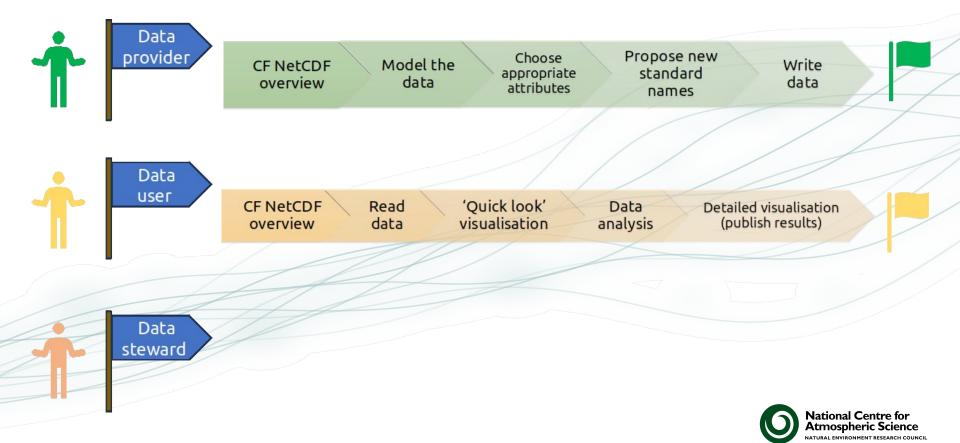


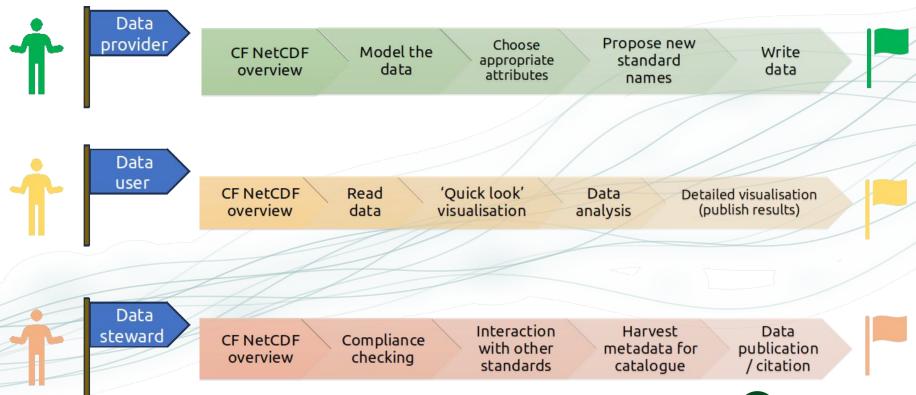
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The CF maintainers can act as a hub to coordinate a broad community effort.

CF maintainers



Facilitate virtual training events

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Discussion at the 2023 CF workshop showed:

- There is a strong appetite for further community training events, often on very specific topics.
- A library of example files and accompanying Jupyter Notebooks (Python, R) would be a valuable resource.
- The CF conventions document is currently aimed mostly at data writers – advice could also be included from the perspective of data users and software developers.



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 - a well-received first live 3-hour session which was general and aimed at beginners; and
 - ♦ launch of a training homepage on the official website and a dedicated YouTube channel to host created and future resources for sustainability and open access for all.



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 - where other formats to video tutorials, e.g. notebooks & demo files, would be of benefit.
- Structuring training based upon training pathways tailored to user roles has been identified as a strategy to make training useful to everyone.



(We'd love you to) get involved!

To contribute to, request features, or ask any questions about, the CF Training:

- Fill out our dedicated request form at https://t.ly/nHnOm (shortened URL pointer to https://forms.gle/HhVPpzLzbgt6xudh7) as linked by the QR code.
- Or, ask us here at AGU23! Questions very welcome...

For more on how to contribute to the CF Conventions in general, see https://cfconventions.org/discussion.html. An updated recording of the video 'How to contribute to CF' will shortly be added to the Training YouTube page.



