



# Community updates

Major projects and initiatives  
from the past 12 months.

# Modern software engineering - for science

Empowering  
scientists with  
modern software  
engineering

Nextflow enables scalable and reproducible scientific workflows using containers. It allows the adaptation of pipelines written in the most common scripting languages.

Its fluent syntax simplifies the implementation and deployment of complex parallel and reactive workflows on any cloud or cluster.

 **nextflow**  
workflow management

 **nextflow**

# Modern software engineering - for science

A community  
collaborating on  
pipeline  
development

Pipelines follow best-practices to ensure maximum portability and reproducibility. The large community makes the pipelines exceptionally well tested and easy to run.

Extensive documentation covering installation, usage and description of output files ensures that you won't be left in the dark.

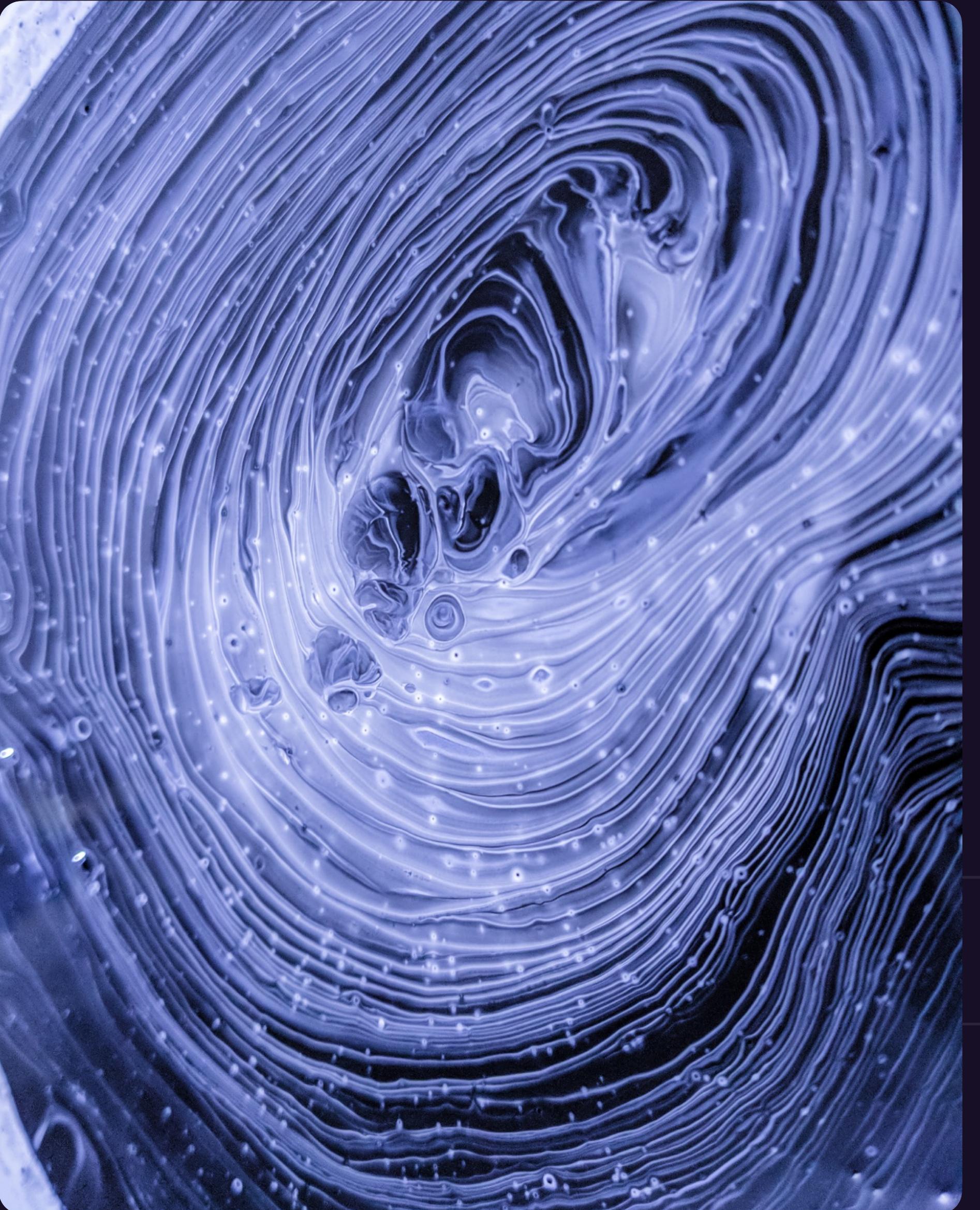
 **nextflow**  
workflow management

**nf-core** 



# Community growth

Where we are in numbers





708

Developers committing to nf-core GitHub repositories



708

X 8,668

People following for Nextflow + nf-core X (twitter) accounts

 708

X 8,668

 907,980

Users on Nextflow + nf-core Slack Organisations

# Active Slack members



Nov

2018

Jun  
2019

Feb  
2020

Sep  
2020

May  
2021

Dec  
2021

Jul  
2022

Mar  
2023



Nov

2018

Jun  
2019

Feb  
2020

Sep  
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May  
2021

Dec  
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Jul  
2022

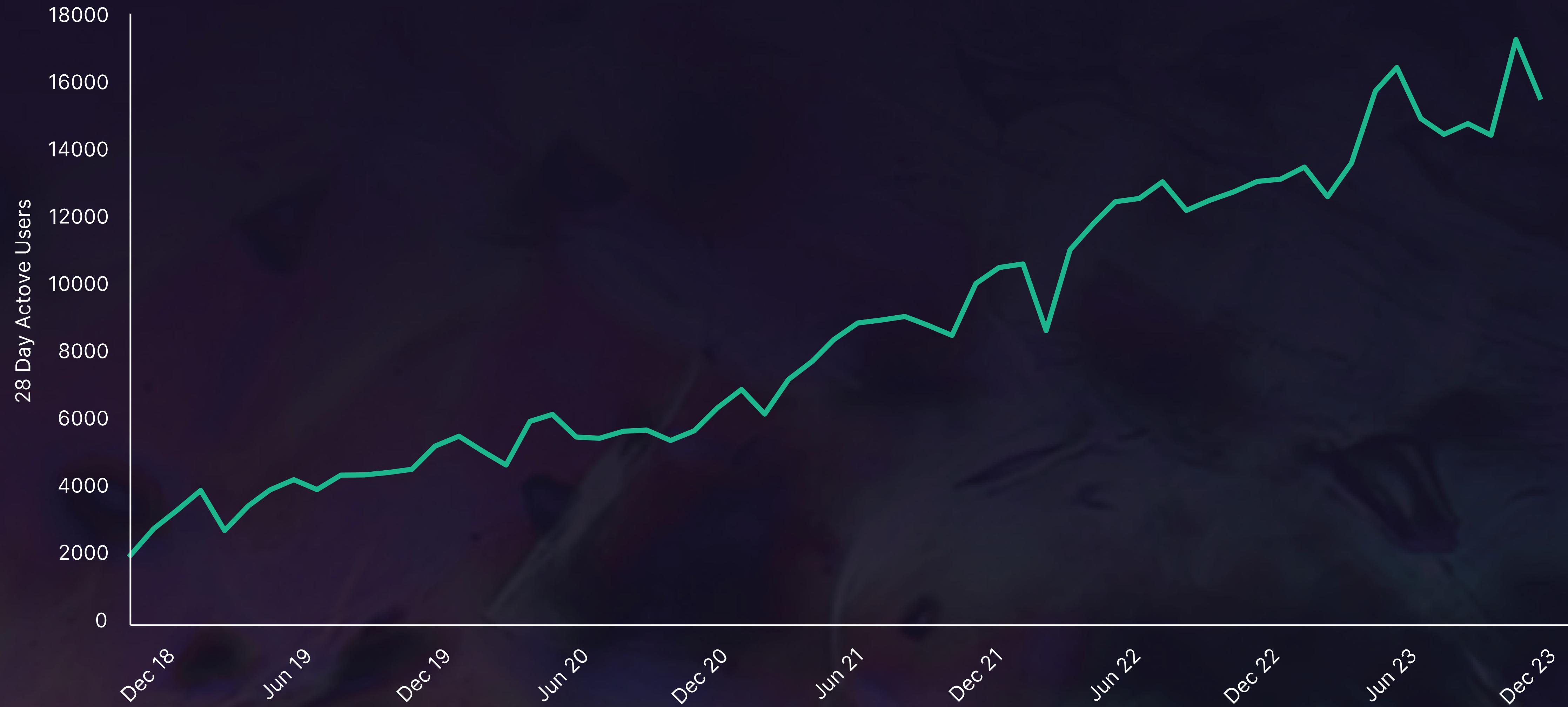
Mar  
2023

15 March 2023 - 1.5k active users —  
Community training

Weekly active members

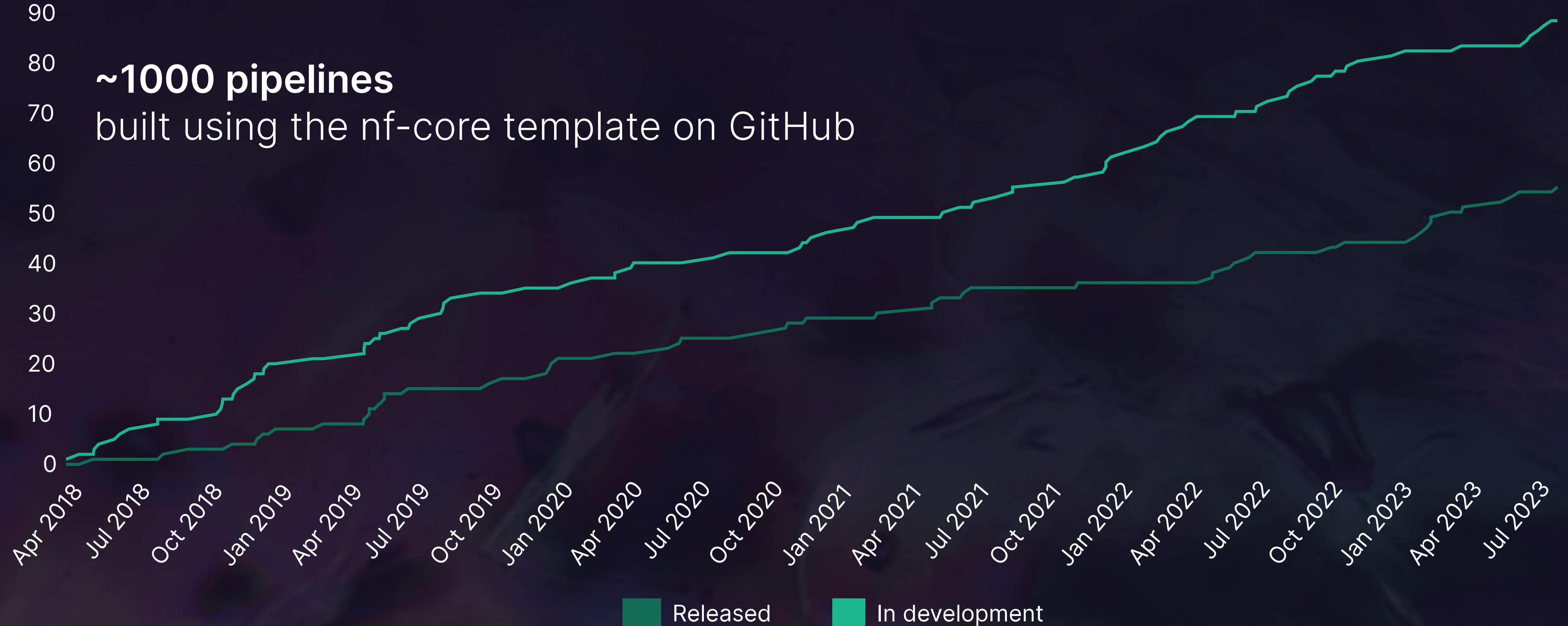
Members who posted

# Nextflow Docs - Unique IPs



# nf-core pipelines

**~1000 pipelines**  
built using the nf-core template on GitHub



# nf-core modules + subworkflows

## Pipeline

Pipeline parameters  
Resource requests  
Tool arguments  
Input channels

## Subworkflow

Channels  
Pipeline logic

**Module**

**Module**

**Module**

# nf-core modules + subworkflows

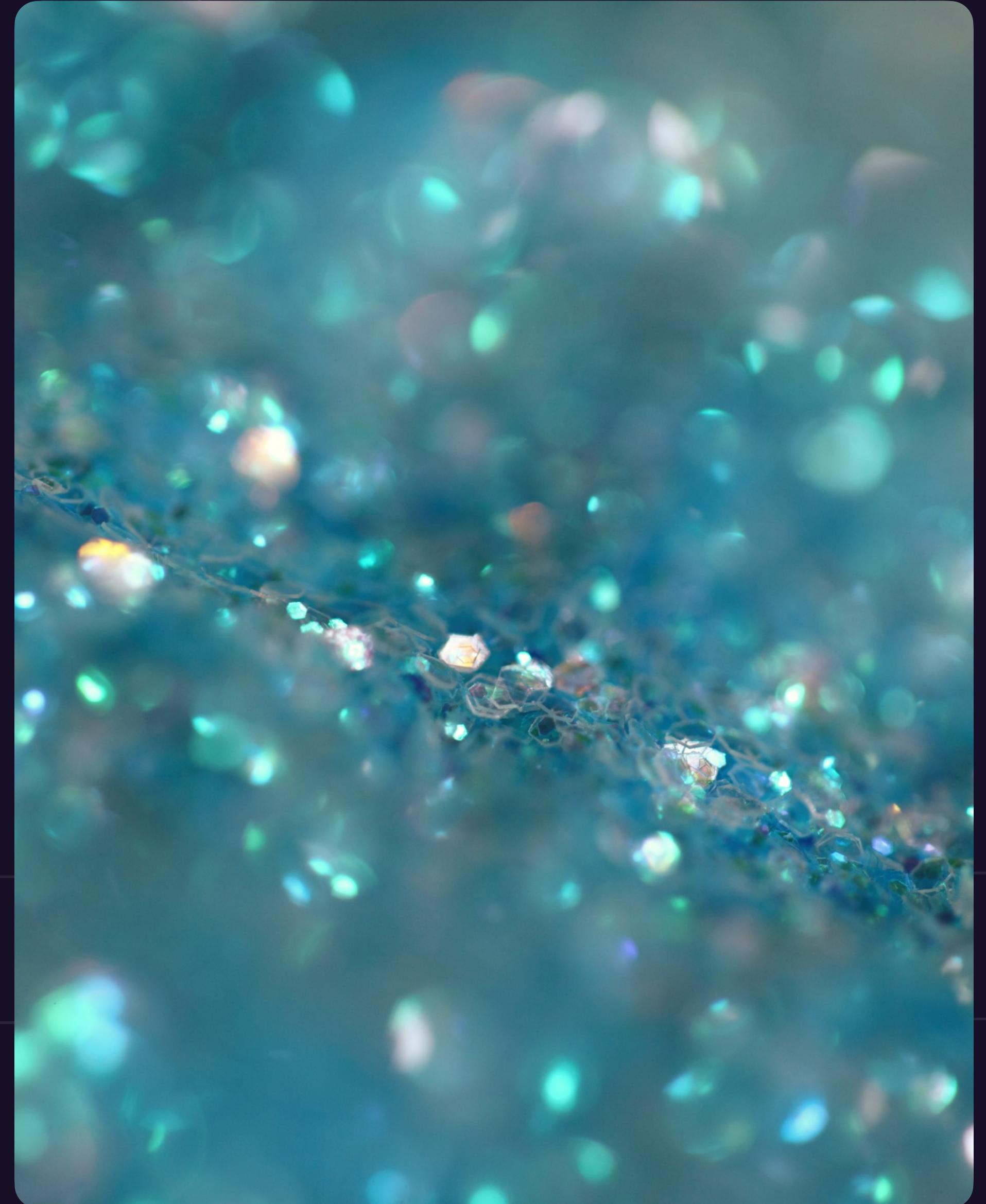
1,041

Modules currently available as part of nf-core.



# Community projects

New infrastructure to support  
users and developers



# Better automated testing

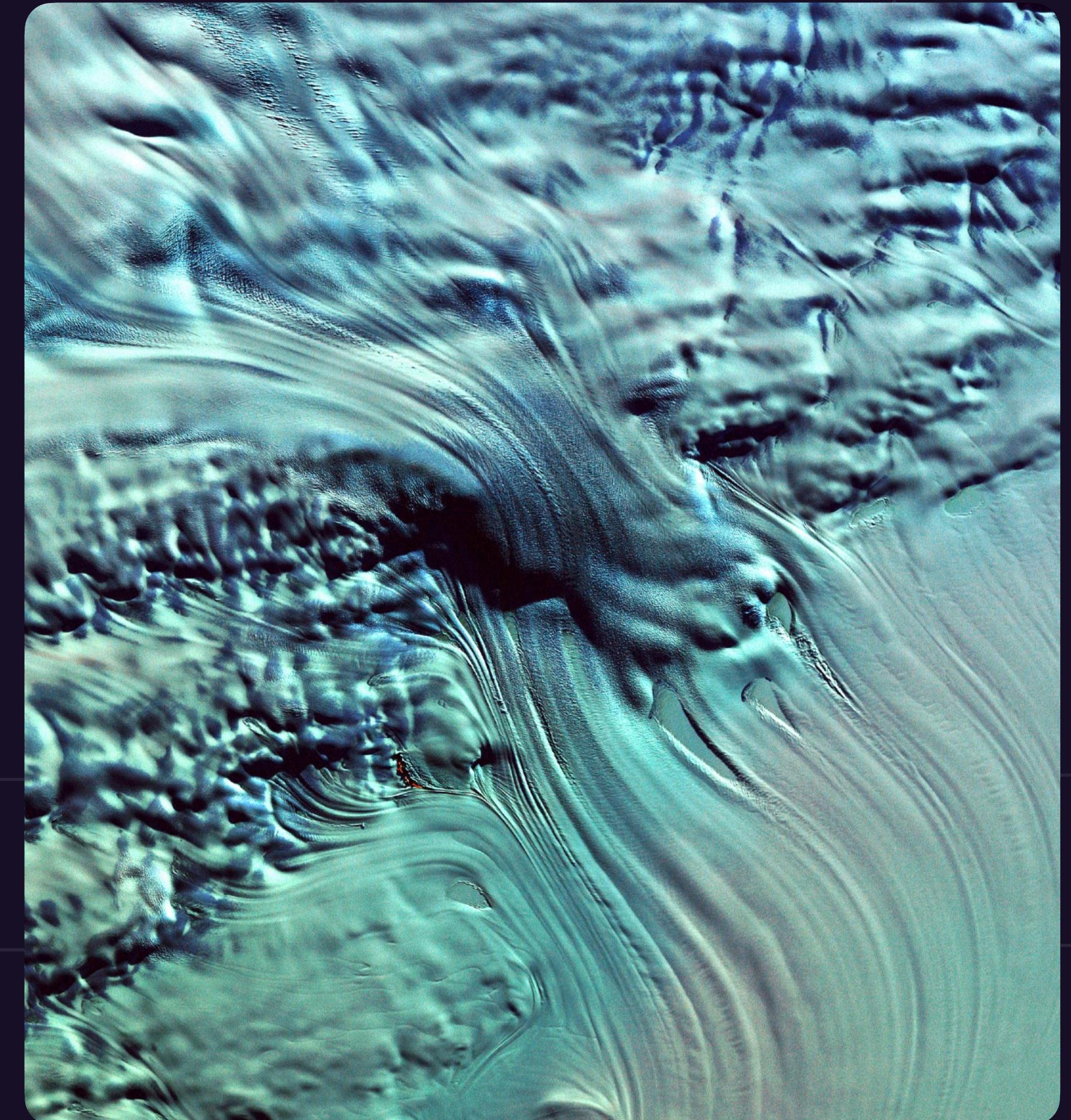


Lukas Forer  
Thurs Oct 19, 5:15 PM



## Ensuring code quality through CI

- Adopting 🚀 nf-test for all nf-core pipelines, modules and subworkflows
- Full-size release tests with AWS and Azure
- New AWS auto-scaling CI runners for GitHub pull-requests - now with GPU!



# Nextflow plugins

## nf-validation

Júlia Mir Pedrol  
Thurs Oct 19, 10:30 AM

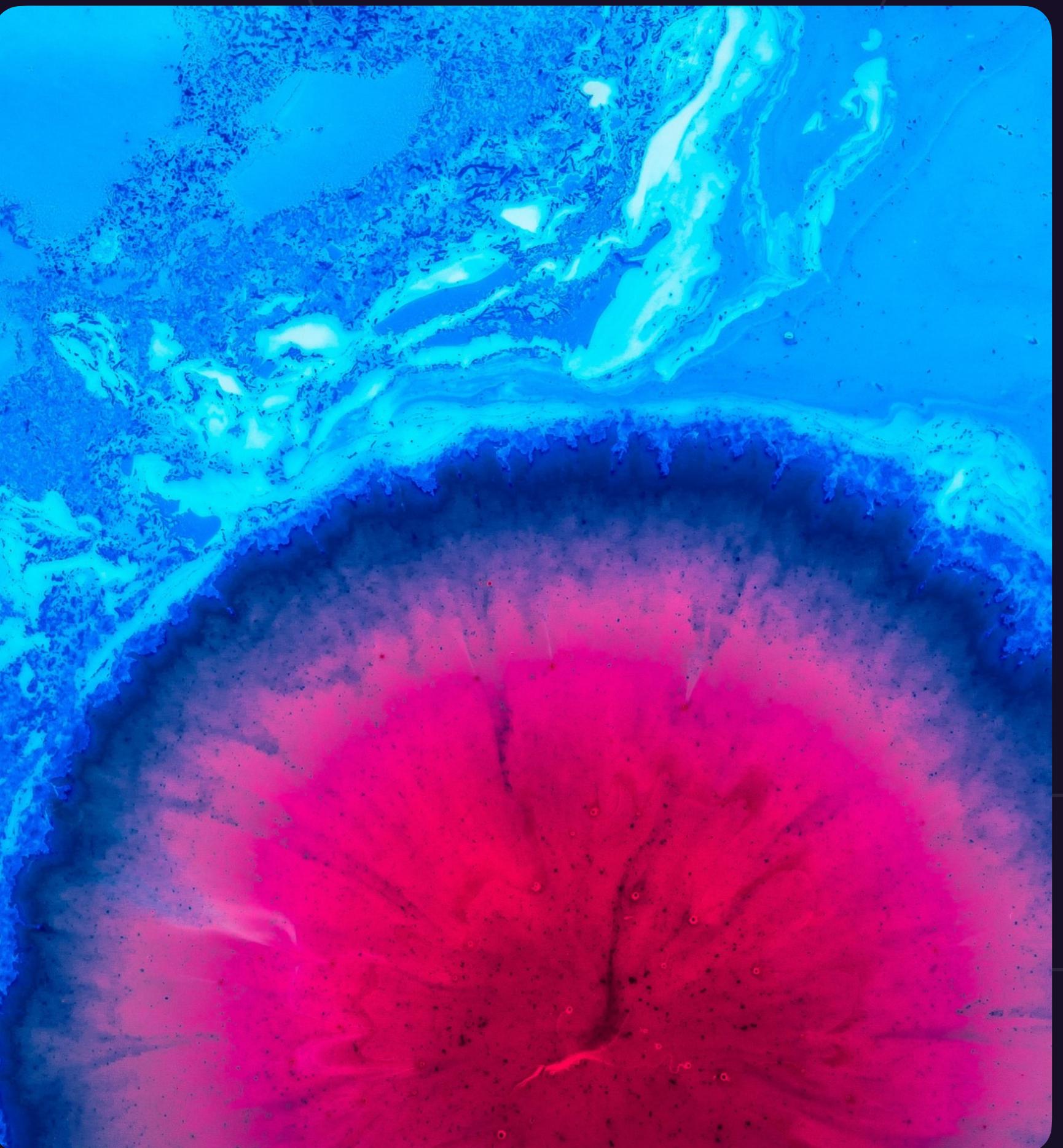


## nf-prov

Ben Sherman

## nf-co2footprint

Sabrina Krakau  
Thurs Oct 19, 12:45 PM



# Nextflow plugins

## nf-validation

Júlia Mir Pedrol  
Thurs Oct 19, 10:30 AM



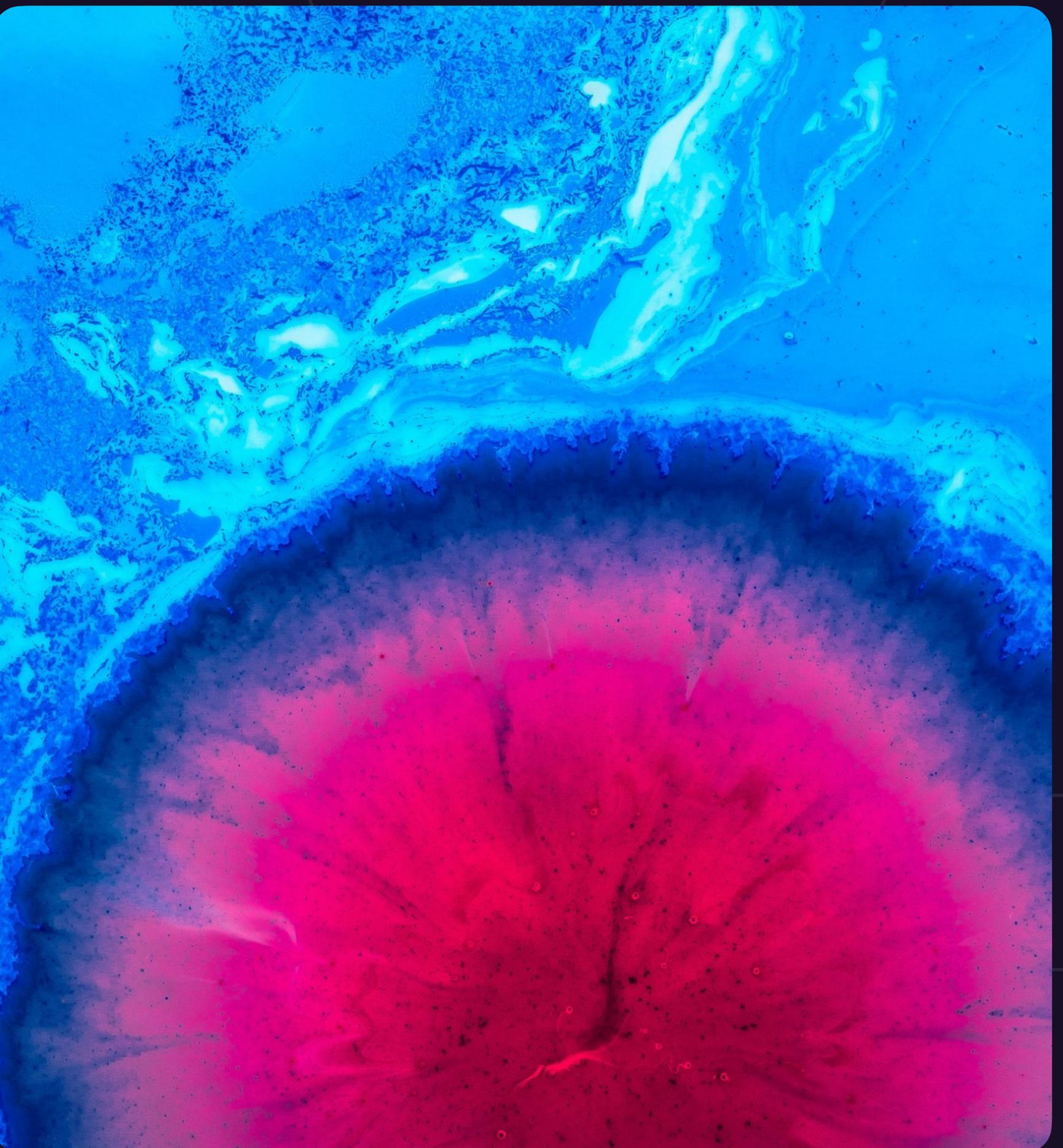
## nf-prov

Ben Sherman



## nf-co2footprint

Sabrina Krakau  
Thurs Oct 19, 12:45 PM



# New nf-core website

Rebuilt from the ground up

- Site-wide search!
- Deployment previews
- Support for MDX, markdown extensions
- Markdown front-matter schema
- New hosting

 astro

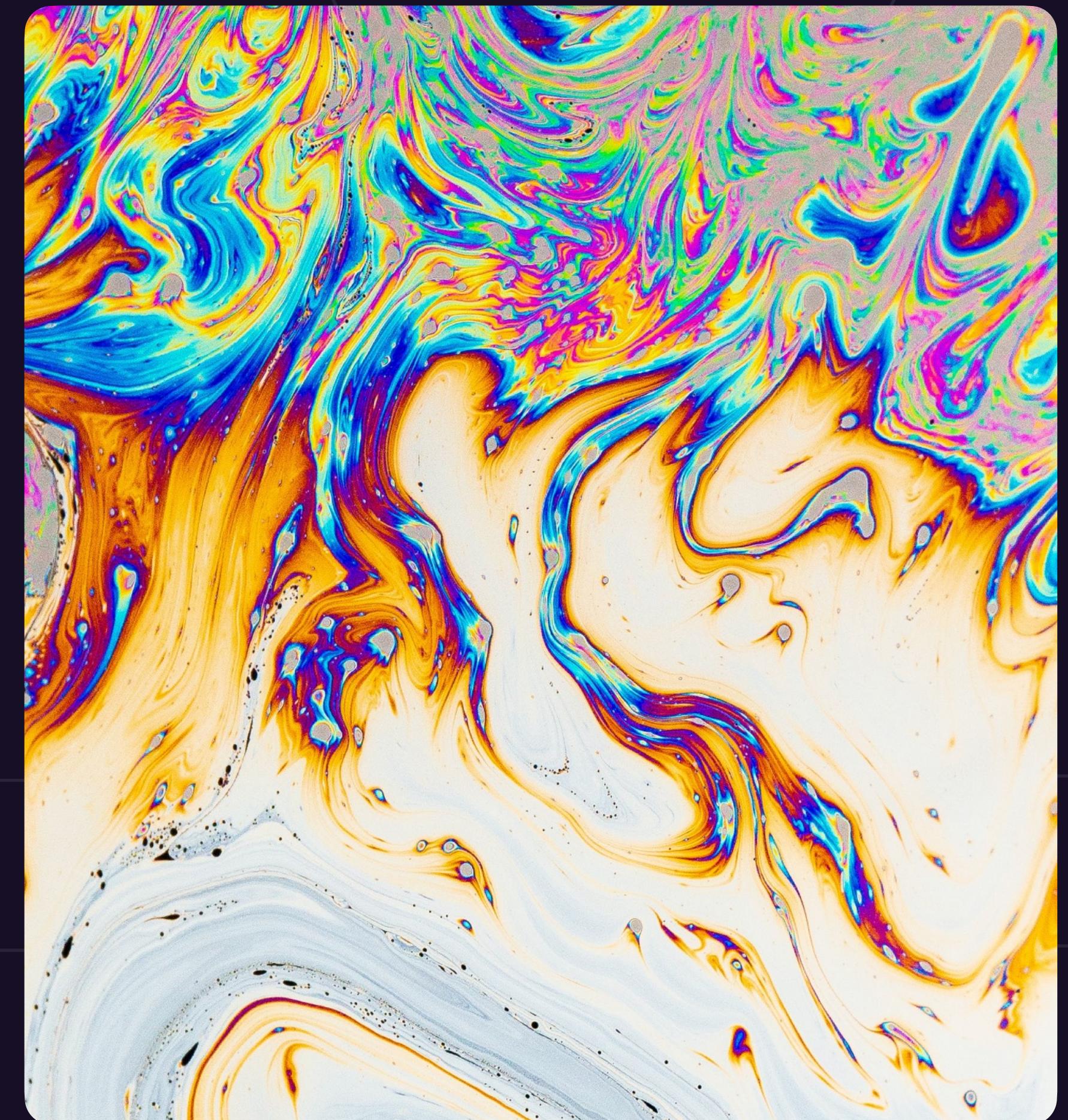


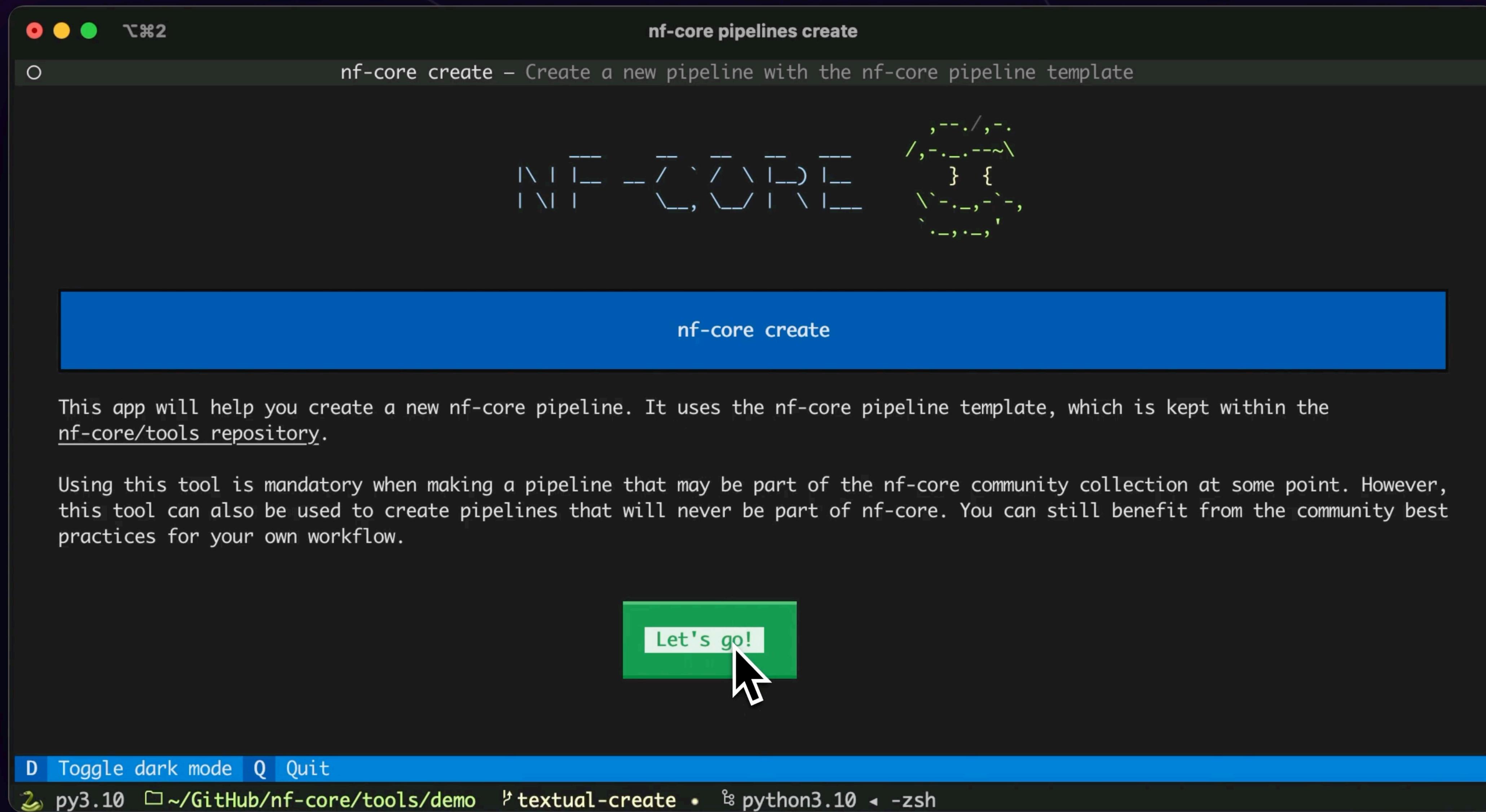
 nextflow

# nf-core tools

## Helper tools for users & developers

- Improved download capability
- More fine-grained control of pipeline creation from the nf-core template
- Rewritten launch and schema tooling
- User friendly terminal app, using Textual





# Channels: The Nextflow Podcast



New podcast for developers!

- New episodes every second Monday
- Technical deep dives with Nextflow developers
- Interviews with leaders in the field
- 24 episodes so far, each 30 mins - 1 hour
- Join us on Spotify, Apple Music, YouTube, Twitter (X)

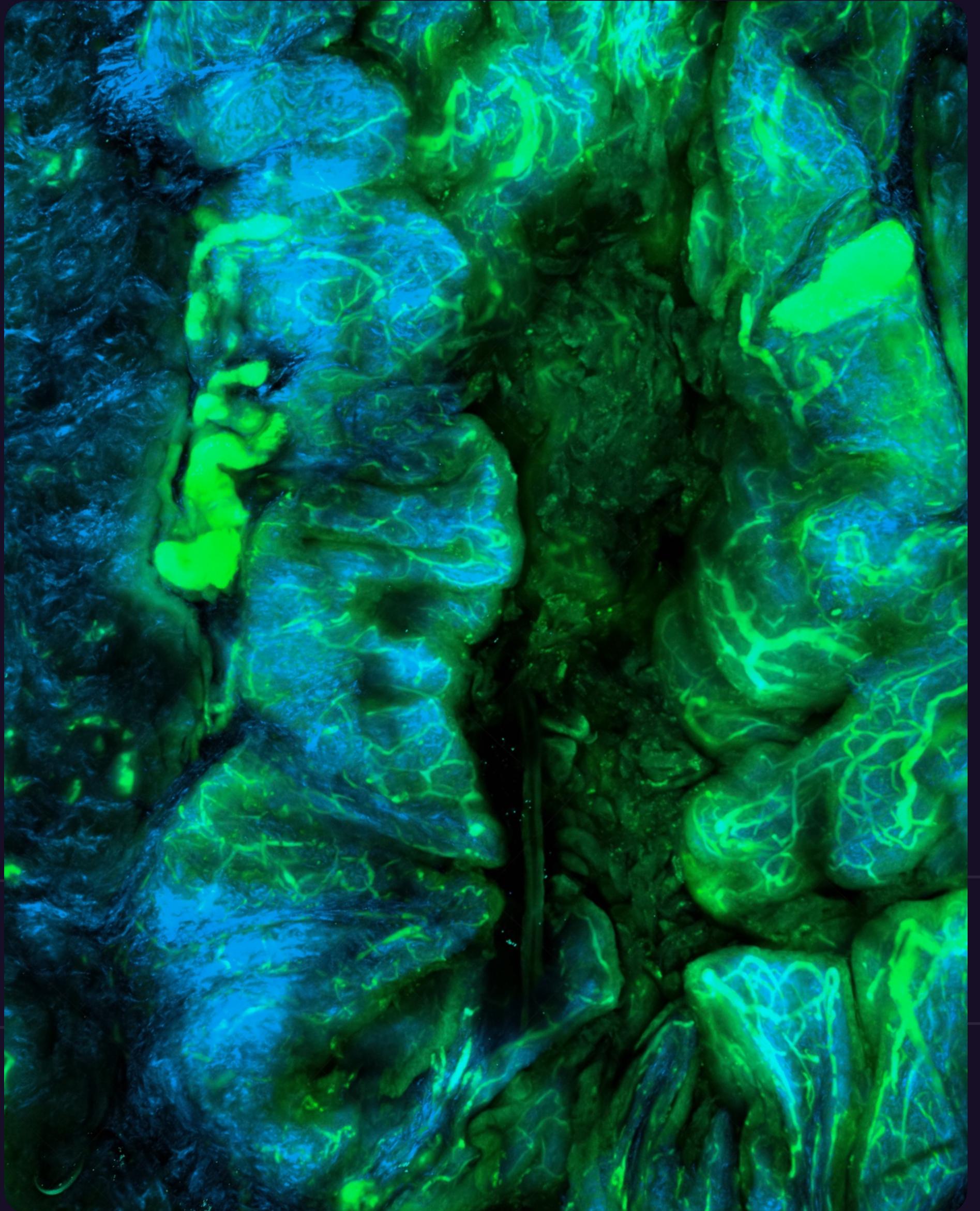


**CHANNELS**  
the **nextflow** podcast



# Community announcements

Projects for the community that  
are launching today!



# Nextflow Ambassadors

Announcing the launch of the Nextflow Ambassador Program  
– an initiative designed to foster **collaboration, knowledge sharing, and community growth**

# Nextflow Ambassadors

## What you get

Help to shape and grow the Nextflow and nf-core communities



## What you do

Receive training and get access to our content library



Access a travel fund for conferences; get support for local events



Get recognition for your work, as well as exclusive swag!



## How to apply



# Nextflow Ambassadors

What you get

What you do

How to apply

Engage with the local, national, and international Nextflow community



Speak about Nextflow and nf-core at meetings and events



Running local events such as user groups, hackathons, and workshops



Writing or sharing tweets, blogs, articles, and technical docs



# Nextflow Ambassadors

What you get

What you do

How to apply

[nextflow.io/ambassadors](https://nextflow.io/ambassadors) >

We're looking for people who:

- Joined the Nextflow and nf-core community at least 6-months ago
- Share our information reliably and appropriately
- Have already participated in some of our events and/or initiatives
- Are willing to actively support the community as an ambassador for at least one year

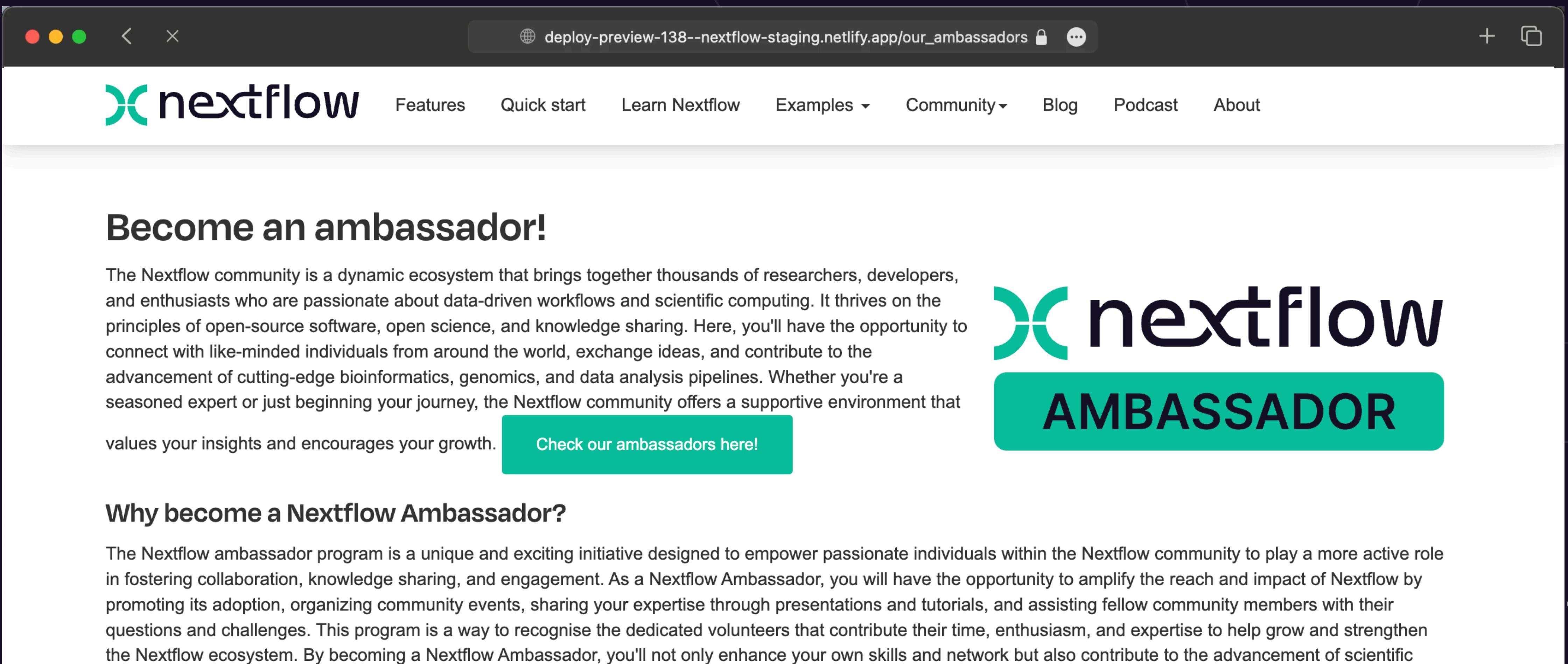


# Nextflow Ambassadors

What you get

What you do

How to apply



The screenshot shows a web browser window displaying the Nextflow website at the URL `deploy-preview-138--nextflow-staging.netlify.app/our_ambassadors`. The page features a dark header with the Nextflow logo and navigation links for Features, Quick start, Learn Nextflow, Examples, Community, Blog, Podcast, and About. Below the header, a large heading says "Become an ambassador!". A paragraph of text explains the Nextflow community's mission and the ambassador program's purpose. A teal button labeled "Check our ambassadors here!" is visible. To the right, there is a large Nextflow logo with the word "AMBASSADOR" overlaid on a teal background.

**Become an ambassador!**

The Nextflow community is a dynamic ecosystem that brings together thousands of researchers, developers, and enthusiasts who are passionate about data-driven workflows and scientific computing. It thrives on the principles of open-source software, open science, and knowledge sharing. Here, you'll have the opportunity to connect with like-minded individuals from around the world, exchange ideas, and contribute to the advancement of cutting-edge bioinformatics, genomics, and data analysis pipelines. Whether you're a seasoned expert or just beginning your journey, the Nextflow community offers a supportive environment that values your insights and encourages your growth.

[Check our ambassadors here!](#)

**Why become a Nextflow Ambassador?**

The Nextflow ambassador program is a unique and exciting initiative designed to empower passionate individuals within the Nextflow community to play a more active role in fostering collaboration, knowledge sharing, and engagement. As a Nextflow Ambassador, you will have the opportunity to amplify the reach and impact of Nextflow by promoting its adoption, organizing community events, sharing your expertise through presentations and tutorials, and assisting fellow community members with their questions and challenges. This program is a way to recognise the dedicated volunteers that contribute their time, enthusiasm, and expertise to help grow and strengthen the Nextflow ecosystem. By becoming a Nextflow Ambassador, you'll not only enhance your own skills and network but also contribute to the advancement of scientific

# Nextflow Ambassadors

What you get

What you do

How to apply

The screenshot shows a web browser window displaying the Nextflow website at the URL `deploy-preview-138--nextflow-staging.netlify.app/our_ambassadors`. The page title is "Nextflow Ambassadors". Below the title, there are two rows of ambassador profiles, each consisting of a circular profile picture and the ambassador's name.

**First Row:**

- Abhinav Sharma**: Profile picture of a man wearing sunglasses.
- Adam Talbot**: Profile picture of a man wearing a grey knit beanie.
- Alex Peltzer**: Profile picture of a man with glasses and a beard.
- Anabella Trigila**: Profile picture of a woman with long dark hair. Social media icons for LinkedIn and Twitter are visible next to her name.

**Second Row:**

- Bhargava Morampalli**: Profile picture of a man with glasses and an Australian flag sticker on his forehead. Social media icons for LinkedIn and Twitter are visible next to his name.
- I**: Profile picture of a man with his arms crossed.
- OW**: Profile picture of a man with a beard.

# Nextflow Ambassadors

What you get

What you do

How to apply

The screenshot shows a web browser window displaying the 'Our Ambassadors' page of the Nextflow website. The page features a header with the Nextflow logo and navigation links for Features, Quick start, Learn Nextflow, Examples, Community, Blog, Podcast, and About. Below the header, the title 'Nextflow Ambassadors' is centered. The main content area displays a grid of ambassador profiles in cards. Each card contains a circular profile picture, the ambassador's name, and social media icons. The cards are arranged in two rows. The first row contains four cards: Abhinav Sharma, Adam Talbot, Alex Peltzer, and Anabella Trigila. The second row contains three cards: Bhargava Morampalli, I., and OW. The card for Anabella Trigila is highlighted with a green border.

nextflow

Features Quick start Learn Nextflow Examples Community Blog Podcast About

## Nextflow Ambassadors

Abhinav Sharma

Adam Talbot

Alex Peltzer

Anabella Trigila

Bhargava Morampalli

I.

OW

# Nextflow Ambassadors

What you get

What you do

How to apply

[nextflow.io/ambassadors](https://nextflow.io/ambassadors) >

Read more in our blog post on [nextflow.io!](#)



**Nextflow  
ambassador  
handbook**

September 2023

# Community Forum

A new home for the community across all Seqera tools, built with Discourse – brings **public access, scales with the community and fosters better structured discussion**

# Community Forum

community.seqera.io

Sign Up Log In

# Welcome to the community!

We're happy to have you here. If you need help, please search before you post.

Search

all categories ► all tags ► Categories Latest Top

Category Topics Latest

**Seqera Platform (Tower)** 0

Collaborative data analysis at scale, on-premises or in any cloud.

>Welcome to Seqera Community! 1  
7 Aug

Random

# Community Forum



**Introducing  
community.seqera.io**

**Learn more**

**community.seqera.io >**

Read more in our blog post on [nextflow.io!](#)

# Geraldine Van de Auwera

## New Seqera Lead Developer Advocate!

- Formerly worked at the Broad Institute with GATK, WDL, Terraform
- Wrote the O'Reilly book "Genomics in the Cloud"
- Lives in Boston, USA
- Phil Ewels will move to be the Seqera Product Manager for Open Source
  - Nextflow + MultiQC + Wave + Fusion\*



# Thank you



## Phil Ewels, PhD

Product Manager for Open Source  
[phil.ewels@seqera.io](mailto:phil.ewels@seqera.io)

