

NumPy 2.0 developer meeting - intro



Today's meeting

PUBLIC

Invite shared on the mailing list

Discussion time: primarily for maintainers & contributors

MAIN GOALS FOR TODAY

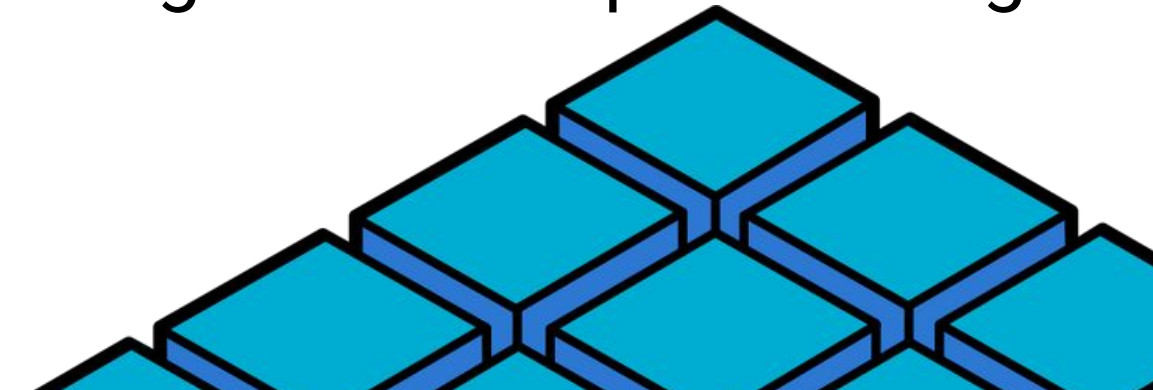
Better define what NumPy 2.0 will look like

Topic leads to share plans and get input from wider audience

Surface and discuss major concerns and pain points

CODE OF CONDUCT

As a reminder: NumPy has a Code of Conduct,
and it applies during this developer meeting.



A range of outcomes is possible still:

“We need to break the ABI, but other than that’s it’s like a minor release”

to

“NumPy 2.0 has a host of changes and new features that the wider community will be enthusiastic about”



NumPy 2.0

ambition level



We have limited maintainer resources, hence topics need a champion before they end up on the 2.0 roadmap (see GitHub Project Board).



A suggested way to think about what goes on to the 2.0 roadmap:

Needs: we need C API/ABI changes - what *must* go into this release?

Opportunities: do we have significant new features or other improvements in the pipeline?
Can we unlock extra energy for these?

Stuff to take along: if we anyway must do a major release, what smaller changes should we not forget to include?



NumPy 2.0

the “what”



Agenda

Time	Topic	Facilitators/persons responsible/moderators
3pm UTC	Intro	Ralf
3:10pm UTC	C API and ABI changes	Sebastian & Matti
4:25pm UTC	A thorough cleanup of the Python API	Stéfan & Ralf
5pm UTC	Finalizing NEP 50 (scalar type promotion)	Sebastian
5:30pm UTC	Add array API standard support to the main namespace	Ralf & Aaron
6pm UTC	Smaller topics on the roadmap: 3-6 minute lightning talks (record, no questions but async feedback)	Moderator: Melissa
6:30pm UTC	Rollout: communications, deprecations, tools to upgrade - open discussion	Moderator: Inessa

