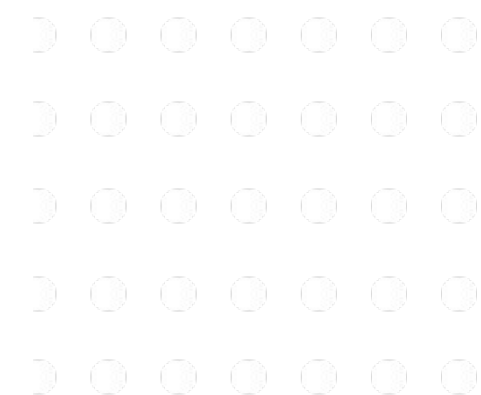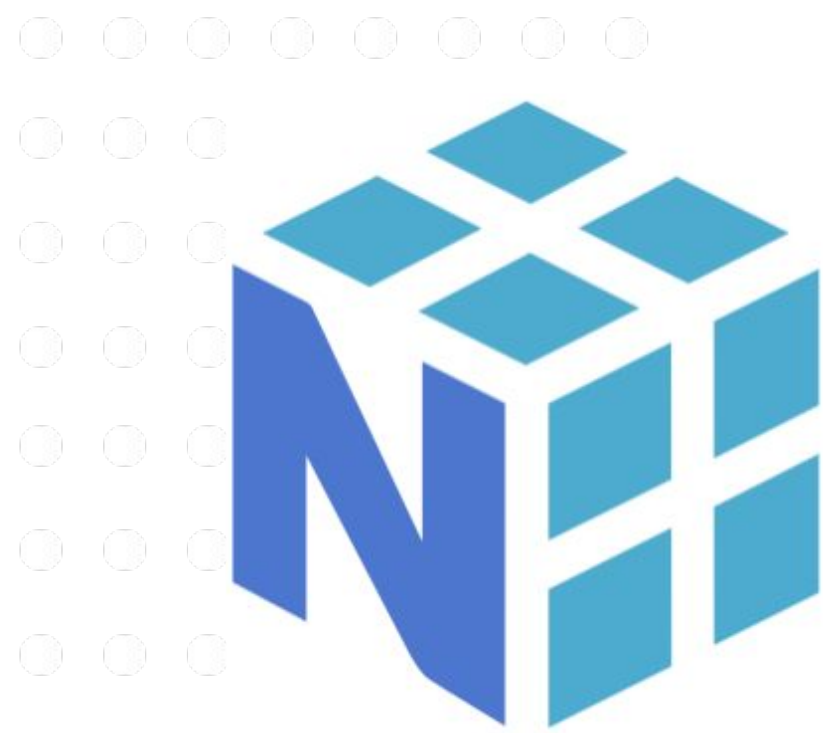# NUMPY
ANNUAL UPDATE

INESSA PAWSON

NUMPY CONTRIBUTOR EXPERIENCE LEAD

@INESSAPAWSON

SCIPY USA 2022

NumPy is the foundation of the scientific computing with Python: NumPy's n-dimensional array is the fundamental data structure of the ecosystem.

NumPy offers comprehensive mathematical functions, random number generators, linear algebra routines, Fourier transforms, and more.

NumPy provides means for improving interoperability with other array and analysis libraries.
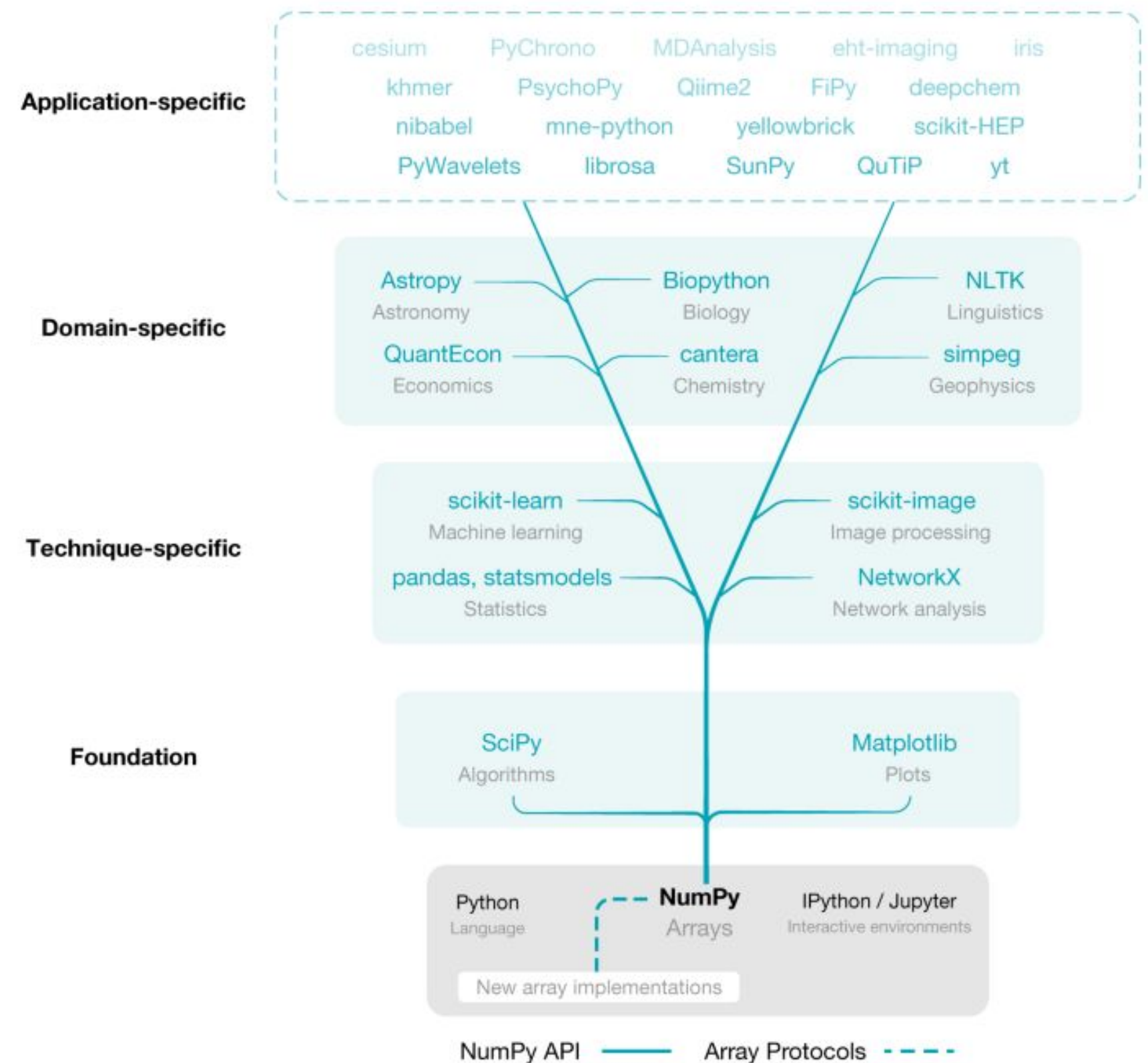
Source: Harris, C.R., Millman, K.J., van der Walt, S.J. et al. Array programming with NumPy. Nature 585, 357–362 (2020).

HIGHLIGHTS

NUMPY 1.23.0 RELEASE

faster `loadtxt`, DLPack exposed in the Python API, improvements to promotion and comparisons of structured dtypes, improvements in f2py

NEW TUTORIALS

https://numpy.org/numpy-tutorials

2021 SURVEY

Findings report:
https://numpy.org/user-surveys

Chan Zuckerberg Initiative

CZI GRANT

Principal Investigator: Melissa Mendonça

PARTNERSHIP WITH THE SCIENTIFIC PYTHON PROJECT

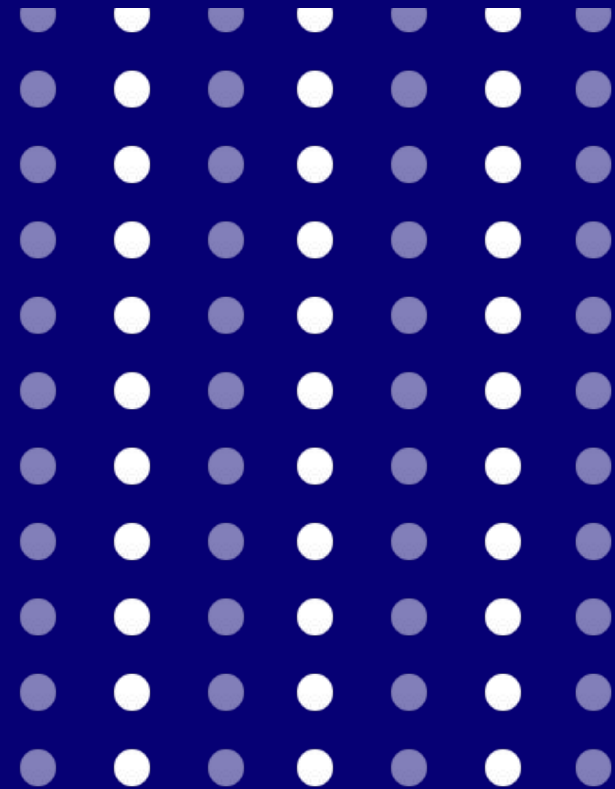SciPy 2022 – NumPy update

NUMPY TEAMS

maintainers team

documentation team

web team

survey team
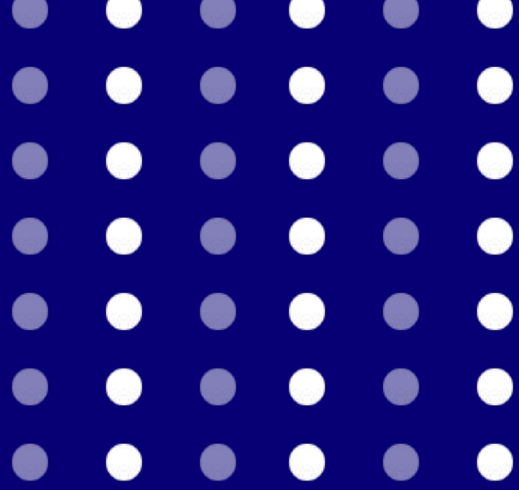
triage team - coming soon

translations team - coming soon

NUMPY DOCUMENTATION TEAM

NEW TUTORIALS

https://numpy.org/numpy-tutorials

GOOGLE SEASON OF DOCS 2021

Technical writer: Mukulika Pahari
Mentors: Melissa Mendonça, Ross Barnowski
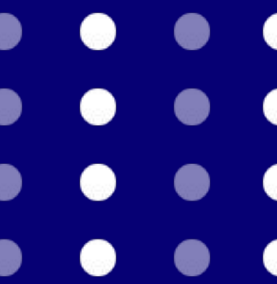
OFFICIAL YOUTUBE CHANNEL

ACCESSIBILITY IN DOCS

DOCS TEAM MEETINGS

biweekly
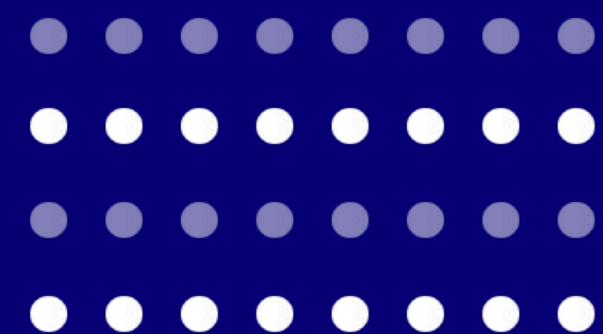
NUMPY WEB TEAM
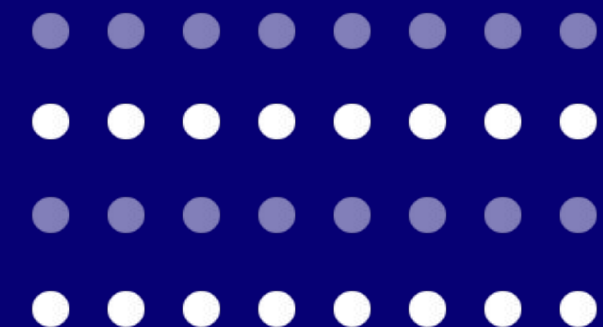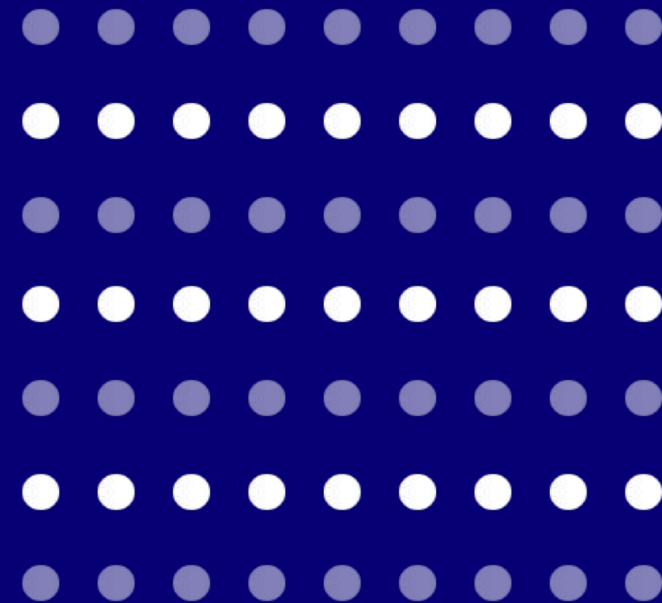
**PARTNERSHIP WITH
THE SCIENTIFIC PYTHON PROJECT**

NEW INTERACTIVE SHELL
powered by JupyterLite

ACCESSIBILITY
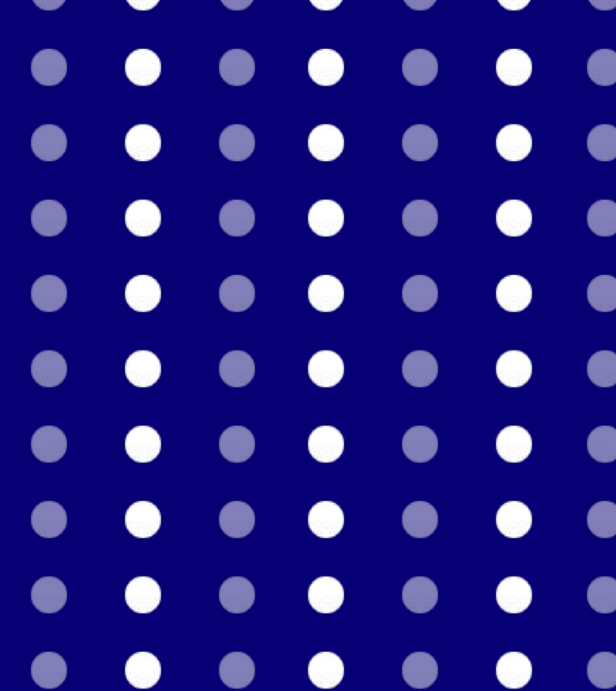
CONTRIBUTE TO NUMPY

- triage issues

- review pull requests

- conduct user surveys

- develop educational material

- graphic design

- translations (Portuguese, Spanish, Japanese, Mandarin)

CONNECT WITH NUMPY TEAM

mailing list

OR GitHub

EMAIL US

numpy-team@googlegroups.com

COMMUNITY CALLS

biweekly

DOCS TEAM MEETINGS

biweekly

TRIAGE CALLS

biweekly

NEWCOMERS' HOURS

biweekly