FUNDING FOR DEVELOPMENT

As the open source scientific data stack grows more complex and connected each day, our projects continue to serve as essential links in the chain.

Through our Small Development Grants program, NumFOCUS provides direct project funding to help meet crucial sustainability needs. These grants cover:

- Technical infrastructure
- Documentation updates
- Accessibility measures
- Website upgrades
- Community-building programs
- Diversity and inclusion initiatives

YOUR SUPPORT

NumFOCUS relies on partnerships with corporate sponsors and individual donors to fund our Small Development Grants. Thanks to the generosity of our community stakeholders, every year we have increased the amount we award, from $13,000 in 2017 to $85,000 in 2019.

2019:
- $163,092 requested
- $85,000 funded
- $78,092 unfunded

2020:
- $197,273 requested
- $147,375 funded
- $49,898 unfunded

We now receive more high-quality proposals than our current budget can accommodate. Partner with NumFOCUS to help us support these foundational open source tools!
OUR PROJECTS

NUMFOCUS

SPONSORED PROJECTS

NumPy  Matplotlib  pandas  Project Jupyter  IPython  SciPy  nteract

Stan  PyMC  Julia  JuMP  PyTables  Shogun  SymPy

FEniCS Project  yt  Econ-ARK  Astropy  SunPy  QuantEcon  rOpenSci

Open Journals  Cantera  Bokeh  conda-forge  xarray  Blosc  MathJax

Dask  mlpack  Zarr  MDAnalysis  scikit-image  ITK  PALISADE

OpenMBEE  scikit-learn  SciML  TARDIS  ArviZ

LFortran  NetworkX  GDAL
<table>
<thead>
<tr>
<th>PROJECT</th>
<th>PROPOSAL TITLE</th>
<th>AMOUNT</th>
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</thead>
<tbody>
<tr>
<td>ArviZ</td>
<td>Educational material and workshops for exploratory analysis of Bayesian models with ArviZ</td>
<td>$2,500</td>
</tr>
<tr>
<td>Astropy</td>
<td>Developing spectroscopic reduction tools</td>
<td>$5,000</td>
</tr>
<tr>
<td>Blosc</td>
<td>Document Blosc2 frame format and freeze API</td>
<td>$5,000</td>
</tr>
<tr>
<td>Cantera</td>
<td>Cantera packaging and CI infrastructure upgrades</td>
<td>$2,500</td>
</tr>
<tr>
<td>conda-forge</td>
<td>Unified Recipe Regenerator</td>
<td>$3,750</td>
</tr>
<tr>
<td>Gensim</td>
<td>Organize Gensim documentation and improve discovery</td>
<td>$5,000</td>
</tr>
<tr>
<td>Julia</td>
<td>Julialimages developer meeting</td>
<td>$4,000</td>
</tr>
<tr>
<td>MathJax</td>
<td>Improved dyslexia support via Fine grained synchronized highlighting</td>
<td>$4,688</td>
</tr>
<tr>
<td>Matplotlib</td>
<td>Matplotlib Cheatsheets</td>
<td>$5,000</td>
</tr>
<tr>
<td>pandas</td>
<td>Encourage contributors from minority groups to lead efforts in improving pandas documentation</td>
<td>$3,000</td>
</tr>
<tr>
<td>rOpenSci</td>
<td>Create an open online rOpenSci Community Contributing Guide</td>
<td>$3,000</td>
</tr>
<tr>
<td>SciPy</td>
<td>SciPy development documentation overhaul</td>
<td>$4,274</td>
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PROCESS AND FEEDBACK

The NumFOCUS Small Development Grants program is a community collaboration which addresses project needs while also engaging dedicated volunteers. See the process below:

**STEP 1**
Projects submit proposals of up to $5,000 three times per year.

**STEP 2**
Proposals are reviewed by our community-driven SDG committee.

**STEP 3**
SDG Committee submits recommendations to NumFOCUS Board of Directors.

**STEP 4**
Board approves recommendations and NumFOCUS disburses funds to projects.

**STEP 5**
Projects report outcomes to NumFOCUS.

[Small Development Grants] can be extremely useful for bringing important developments to the community. Let’s hope that NumFOCUS can continue offering paid time to developers in the future!

—Blosc

It was a good experience to get someone (part-time) engaged in contributing to open source who would otherwise not have the chance to do so.

—pandas

We ended up re-writing a conda-build skeleton in order to make it generate consistent recipes for multiple languages. The experience was smooth and [with this SDG] NumFOCUS helped us make a significant headway in improving the bot’s updates.

—conde-forg

[The work funded by the SDG] was a great experience for Stephannie Jimenez, the developer we funded through the grant, because it allowed her to work on a challenging but rewarding project. After that, she became the maintainer of Spyder-terminal and a Spyder core developer.

—Spyder
Small Development Grants are a great way to provide concrete help in several ways to NumFOCUS projects. As both co-chair of the SDG Committee and a core developer of a NumFOCUS Sponsored Project, I’ve seen how effective these grants have been for project communities. Overall, SDGs make it possible for open source projects to go forward faster and further!

The Small Development Grant program is a critical resource for NumFOCUS projects. Among other things, SDGs enable projects to release new versions, to develop new training materials, and to host in-person leadership meetings to define the future of the project. Cantera has used SDG funding in each of the last several years to support these activities. As the co-chair of the SDG Committee, I see similar projects every funding round, and it is an awesome feeling to be able to tell them, “Here is the money to do what your project needs to excel”.
NumFOCUS is a 501(c)(3) public charity in the United States. Your donation is tax-deductible to the extent provided by US law. For more information on partnerships with NumFOCUS, please e-mail info@numfocus.org

If you’re interested in learning more about where your contributions can make a difference in the NumFOCUS ecosystem, how NumFOCUS will acknowledge you as a Small Development Grant sponsor, or simply how to make a donation, please get in touch!