What does a community need to grow and thrive? To support both the collective and the individual? To be close-knit yet inclusive and expansive? These are the questions our work seeks to answer. As we approach a decade of service to open source scientific computing projects, I’m proud to report on all we’ve accomplished and everything we aim to achieve.

The theme of community impact has been a through line of our mission since 2012. NumFOCUS was founded to address the need of a critical mass of projects for a more formal support structure and to help organize this fervent community. Grass roots cannot take hold without the proper groundwork: the very support structures NumFOCUS provides to the world of open science.

Our direct support for projects, conferences, gatherings, and educational opportunities has had a discernible impact on the open source scientific community, as this report shows. Yet, as we approach our 10th anniversary, we have identified strategic areas of focus to guide our decision making and objectives: increasing engagement with stakeholders, improving organizational infrastructure to handle growth, and making the delivery and execution of project services more efficient.

These efforts have already yielded results. This year we chartered additional community-led committees to select new Affiliated Projects, awarded Small Development Grants, and initiated a Project Incubation Program. You can learn more about that in our Community Leadership section.

The accomplishments of any open source project come from the time, talent, and zeal of individuals, many of which are volunteers. They make their contributions on top of carrying the load of full-time jobs, often sacrificing their personal time to contribute to tools that others are or will depend on across all domains of science, research, and industry. We cannot honor each of those many thousands of volunteers here, but we must always keep the needs of these individuals in mind. Our project support is ultimately all about sustaining their efforts.

Ten years in and the greater NumFOCUS community is hundreds of thousands strong. It has shown resilience in the face of a global pandemic and never once receded from its mission. At our core is a dedicated staff, a committed board, a highly-engaged advisory board, and many community partners and collaborators. This 2021 Community Impact Report is a testament to what they have built. I invite you to read on, to share in our community’s enthusiasm, and get involved in any way you can.

Sincerely,

Leah Silen, Executive Director
2021 At a Glance

Corporate Donations
$1,364,053

Individual Donations
$156,154

Grant Funding Awarded
$3,525,271
New Projects

+5
Sponsored

45
Total Sponsored Projects Supported

+7
Affiliated

51
Total Affiliated Projects Supported

1,515
Sponsored Project Contributors

131,965
Number of Project Research Citations

As a data professional, I use the PyData stack almost on a daily basis. As an entrepreneur and lecturer, I want to make a small contribution to the maintenance of the creative commons that is so crucial for democratising data science.

– Daniel Kapitan

Supporter Testimonial
Critical Aid to Scientific
Problem Solvers and Trailblazers

PROJECT SUPPORT
NumFOCUS’s support extends across the open source scientific data stack. While you may recognize a number of these essential projects, we invite you to click on the logos below to learn more.
NumFOCUS’s support extends across the open source scientific data stack. While you may recognize a number of these essential projects, we invite you to click on the logos below to learn more.
NumFOCUS’s Small Development Grants (SDG) program is a community collaboration addressing specific project needs while engaging dedicated volunteers. Since its inception, the program has allocated $475,636 in small grants.

**PROPOSALS FUNDED IN 2021**

- GeomScale - A set of Jupyter notebooks for metabolic network analysis
- Orange - Data Science Textbook
- Taskflow-San: Sanitizing Erroneous Control Flow in Taskflow Graphs
- A new plugin system for Blosc2
- Developing accessible training modules for new and intermediate Cantera users
- Updating conda-forge compiler infrastructure
- Converting MathJax’s speech solution to Typescript
- Add PROPACK Sparse SVD to SciPy
- Interactive documentation for TARDIS
- GeomScale - Add parallel implementations in volesti using several C++ methods for parallelism
- Scaling GeoPandas with Dask: improved IO for supporting large geospatial data
- PyTorch-Ignite - Library improvements and Semi-Supervised Learning toolkit development
- Taskflow - Standard GPU Algorithms with Task Graph Parallelism
- ITK - Insight Journal
- Improving LFortran to compile stdlib and fpm
- Streamlining, modernizing, and improving accessibility for the PyData Sphinx Theme.
- Fine tuning the Bayesian Additive Regression Trees implementation in PyMC3
- rOpenSci - Sustained Community Engagement and Automated Metrics for Community Health Analytics
- Update mc-stan.org
- Improving SymPy plotting capabilities
- Atomic data infrastructure for TARDIS
- GeomScale - The first release of software package dingo
- GNU Radio Tutorials Revamp
- Array types for scaling poliastro
- PV Storage (adding storage support to pvlib)
- Support for zfp, a lossy codec for floating point data in Blosc2/Caterva
- Rewrite and expand Bokeh’s tutorial notebooks with a focus on readability
- Machine Learning documentation improvements for Julia
- IPython maintenance and future proofing
- Improving LFortran to Generate Optimized Code
- mlpack - ensmallen - Initial GPU support via Bandicoot
- A Mixed Integer Programming Solver for SciPy
Project Summit Workshops

Cultivating Open Source Leaders
Sponsored and Affiliated project leaders were invited to attend specialized sessions to learn strategies for navigating the complexities of open source leadership. Online workshop topics are determined from project feedback on the areas that would be most helpful. We then seek out experts to share information and best practices.

Navigating OS with Employers
Pam Chestek
Addressing legal and licensing issues that can arise between employers and open source developers.

Proposal Development: Best Practices
Carla Martin
Helping projects avoid mistakes and improve strategies for securing grant funding.

A Free-form Discussion of the Small Development Grants Program
Bryan Weber
An open forum to learn more about the program and give feedback that will help NumFOCUS continue to tailor the program to meet project needs.

Open Source Communications
Allen "Gunner" Gunn
Strengthening communications processes, coordinating organizational storytelling, and measuring project success.

Ongoing project workshops are one of many valuable resources NumFOCUS provides projects beyond fiscal and administrative services. Our plan is to continue the program even after we return to hosting our in-person annual Project Summit.
Groundbreaking Science Requires the Proper Groundwork

COMMUNITY LEADERSHIP

Want to chip in as a volunteer? Find out how.
Our mission relies on the cooperation of enthusiastic volunteers, project contributors, fundraisers, and donors. You can’t move a mountain alone. But stone by stone, person to person, we can cut new paths to discovery.

This year our NumFOCUS community-led committees were taken to the next level through the efforts of dedicated volunteers. The positive impact of these community leaders on our mission can be seen in the five committees below.

### Affiliated Project Selection Committee (APSC)

In April, we formed the inaugural Affiliated Project Selection Committee to increase community input and involvement in the Affiliated Project selection process.

The Committee works with NumFOCUS staff and the Board of Directors to facilitate the selection of new Affiliated Projects during four application cycles. General responsibilities of the committee include:

- Running the selection process
- Proposing changes to the application and selection criteria to the Board of Directors
- Guiding prospective projects on the application process
- Recommending projects as candidates for the NumFOCUS Incubator program

To learn more about the committee's role and responsibilities please see the committee charter.

**Members:**
- VP: Dr. Larry Gray
- Secretary: Florian Roscheck
- Members: Adrin Jalali, Filipe Fernandes, Leopold Talirz, Logan Kilpatrick, Mark Mikofski, Paul Anzel, Rocco Meli, Vyas Ramasubramani

### Small Development Grants Committee

This committee is made up of community members who care about the health and sustainability of NumFOCUS projects and who ensure that funding decisions are unbiased and equitable.

As our Small Development Grants program has grown over the years, from just over $15k in 2017 to $170K in 2021, it has taken more dedicated time to review proposals and distribute funding. Without the committee’s help, it would be difficult to manage this expanding program.

**Members:**
- **Co-chairs:**
  - Bryan Weber (Cantera)
  - David Pérez-Suárez (SunPy)
- **Members:**
  - Larry Gray, Marcel Haas, Bradly Alicea, Tim Hoffmann, Roy Pamphile, Paige Bailey, Mridul Seth, Brian Skinn, Logan Kilpatrick, Pramod Misra, Alejandro Oliva

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[Image of bar chart showing funding amounts for each year]

**Funded**
Champions Circle committee members lend their expertise by helping NumFOCUS establish and grow relationships with key funders and other stakeholders. They also offer their guidance on NumFOCUS’s partnership cultivation processes and fundraising strategies.

Our Open Science Champions are individual community members who donate to, volunteer with, and advocate for NumFOCUS and our projects. Our Champions Circle comprises volunteer leaders who play a key role in helping NumFOCUS secure the support we need to provide the highest level of service to our projects and their user communities.

Members:
Chair: Lauren Oldja
Secretary: Mengjia Liu
Members at Large: Harsha Byadarahalli Mahesh, Chris Fonnesbeck, Ravin Kumar, Andrew Lowe, Shreyas Subramanian

Panel Discussion on Project Community Development
Peter Wang, CEO of Anaconda and NumFOCUS Advisory Council member, moderates a lively panel discussion on Project Community Development with Stefanie Butland (rOpenSci), Ravin Kumar (ArviZ), Logan Kilpatrick (JuliaLang), and Jason Grout (Project Jupyter).

A new charter for the Diversity & Inclusion in Scientific Computing (DISC) Committee brings the five-year-old committee in line with other community-led NumFOCUS groups. The charter was drafted following a period of reflection from past members and input from current stakeholders before approval by the Board of Directors in December. The updates ensure the Committee has the structure in place to continue its work to broaden the participation and inclusion of underrepresented groups in the NumFOCUS ecosystem. For more information view the Charter and watch for updates as it ramps up in 2022.

DISC Committee

Chartered at the end of 2021, and launching in early 2022, this committee will provide support to open source scientific projects to grow, build a community, and attract new contributors. At the end of each incubation period, projects will have the tools they need to either continue working towards meeting the Affiliated project requirements or directly apply for that status.

See the committee’s charter to learn more.
Strengthening the Community Through Interaction, Education, and Conversation

Building, educating, and engaging an active project user community means organizing and supporting events of all kinds. In 2021, online conferences and workshops—as well as a few in-person gatherings—spread ideas, sparked discussions, and strengthened our communities.
PyData is NumFOCUS’s largest educational program, comprised of worldwide events, meetups, and online channels.

**PyData Eindhoven**

A local PyData conference in the Netherlands was the only in-person event in 2021.

- **Attendees**: 240
- **Day**: 1
- **Talks**: 18

**187k** Meetup Members

**126k** YouTube Subscribers

**2,376** PyData Conference Attendees
PyData Global

The online event included a packed multi-day, cross-time zone lineup of presentations and interactive events. In all, PyData Global encompassed...

- **215 Presentations**
- **257 Speakers**
- **2,136 Attendees**
- **30 Sponsors**

**Talks:**
- 134 Talks
- 2 Keynotes
- 49 Lightning Talks
- 22 Tutorials
- 8 Workshops

**Community Events:**
- Expert Briefing Series
- Supply Chain Bot Challenge
- Various Socials
- Pub Quizzes
- Open Source Sprints
- 2 Various Socials
Impact Scholarships

The Impact Scholarship Program was initiated for the first time at PyData Global 2021. The aim is to foster diversity within our community while supporting inclusion and creating a sense of belonging to anyone identifying as part of an underrepresented group in open source or tech environments. These groups include African Americans/Blacks, Hispanics/Latino(a)s, Native Americans/Alaskan Natives, women, LGBTQ+, and people who are blind or deaf.

Over 250 applications from 53 countries were received within a very short time span. In total, 120 people were accepted into the program. Participants came from varied backgrounds and, through their applications, demonstrated leadership, community support, a willingness to make a difference, be a role model for others, and contribute to a more diverse and inclusive tech world.

The program provides networking opportunities to those who are interested in further developing their career and professional impact. Impact Scholars had access to the PyData Global Conference talks, tutorials, and sprints as well as workshops designed to help them increase their visibility and influence.

The Impact Program was hosted by Camila Kuhn & Oyidiya Oji

Our mentors include Jesper Dramsch, Sarah Krasnik, Musasizi Francis Kamanzi, Nabanita Roy, Quan Nguyen, Eli Sander, Eduardo Blancas Reyes, Lauren Oldja, Harshita Diddee, Anfal Alatawi, Opeyemi Fabiyi, Chin Hwee Ong, Valentina Bono, Alisdair Wallis, Ben White, Kolawole Precious, Sanket Verma, Sidra Tariq, Mannie Young, Marlene Mhangami, Rosana de Oliveira Gomes, Emily Cook, Tebogo R. Mazibuko, Marie Roker-Jone, Hnin EiEi Tun, Kave Bulambo

- 250 Applications
- 53 Countries
- 120 People Accepted
“It was a delight answering questions during the panel discussion. The group of impact scholars was surprisingly large, considering the time, and very engaged. We talked about getting into open source and data science and where we see the potential for personal development and career growth, especially for people from traditionally underrepresented groups. Overall, a great experience and I recommend anyone who gets the chance to participate on either side in this program to interact with these highly motivated individuals.”

- Jesper Sören Dramsch

“As a speaker you never know what to expect from your audience as you present your talk. I was so moved by the feedback and responses to my talk on why it’s important to build inclusive organizations. I look forward to participating next year and would definitely recommend the conference to anyone looking to learn and connect with other like minded professionals in tech.”

- Kave Bulambo, Lead Organiser — BlackInTech — Berlin & WomenInData

“Participating in PyData Global 2021 as a speaker and panelist was such a great experience. As a non-native English speaker, I had to overcome a lack of confidence in my communication and technical skills to engage with the open source community fully. I hope sharing my experience inspires others to do the same.”

- Eduardo Blancas Reyes
"Impact Scholars provided the proper awareness, and learning opportunities for people enthusiastic about Python and eager to contribute to its bustling open source community. The sessions on Personal Branding, Self Promotion Skills, Emotional Intelligence, and AI Ethics were highly insightful, relatable and sticky. Despite the virtual environment, the facilitators and speakers created an approachable and conducive atmosphere for discussions. I appreciated the punctuality of sessions, it really enhanced the program experience. All in all, the program delivered what it promised and that too online, which by itself is an outstanding achievement."

-Rohan Wadhawan

"It was a great program where we get to meet experienced candidates from different backgrounds. The best part of the Impact Program was that they made sessions available for people at all experience levels i.e. beginner to expert. I enjoyed being a part of data science sessions and sprints. Got to meet amazing fellow scholars and learn a lot from their insights."

-Aliya Rahmani

"The impact program was a great experience, and a much needed one, that helped me boost my confidence in my data skills, network, learn about the PyData community and the importance of giving back through open source and speaking events."

-Blessing Eseosa Osarumwense
Project Event Spotlight

NumFOCUS Sponsored Projects hosted specialized events with attendance totalling in the tens of thousands.

JuliaCon
Over 20,000 people registered for the online event!

JuMP-dev Summit
Held virtually in conjunction with JuliaCon.

PackagingCon
PackagingCon is a conference for developers of software package management software, as well as software packagers and communities. PackagingCon had people from Conda-forge, conda, Spack, Mamba, Julia (then also ROS), and pip participate on the organizing committee to host the first-ever PC. In addition, the event had many more package managers attending and giving talks. 312 people attended the Nov 9-10 event that included 68 talks, and additional keynotes, panels, and lightning talks.

Stan Event Series
Stan replaced their annual conference with five shorter, online topical sessions.

FEniCS 2021 conference
245 attendees joined the online conference March 22-26. Here’s a group photo from the Gather Town get together:
NumFOCUS Sponsored Projects hosted specialized events with attendance totalling in the tens of thousands.

**Dask Distributed Summit**
NumFOCUS and Dask hosted the 2021 digital summit in May with 563 in attendance.

**scikit-learn sprints**
Three online sprints were held in collaboration with DataUmbrella. 30-40 participants joined each sprint, and the post-sprint reports can be found here.

**MDAnalysis Workshop**
MDAnalysis held a three-day online workshop hosted by the Dutch supercomputing center SURF as part of the European Union PRACE (Partnership For Advanced Computing in Europe), with a view towards analysing molecular dynamics simulations in a high performance computing environment. 40 people registered to attend the three half-day workshops.

**rOpenSci Community calls**
Each meeting was attended by up to 60 people with the first four calls reaching people in 25 countries: USA, Canada, UK, South Africa, Nigeria, Kenya, Senegal, Colombia, Argentina, Costa Rica, Singapore, Australia, Germany, France, Greece, Switzerland, Spain, Ireland, Finland, Norway, Hungary, Italy, Netherlands, Denmark, and Austria.
Virtual Meetups and Collaborations

NumFOCUS is a key supporter in volunteer-led Meetup groups spread across the globe—on every continent but Antarctica.
The values of diversity, equity, and inclusion (DEI) are inherent to the principles behind open source scientific computing. A bigger, more inclusive community that shares ideas, methods, and code can make a profound impact on the world. There is a lot of work to be done in leveling the field of opportunity. These initiatives are how we’re chipping away at any barriers that stand in the way of a more diverse, equal, and inclusive community.
Contributor Diversification & Retention (CDR) Project

In 2020 NumFOCUS was awarded a two-year grant from the Gordon and Betty Moore Foundation to launch a research project focused on improving the understanding of diversity, inclusion, and barriers to participation within NumFOCUS-supported projects and the wider open source community. Project leads from 20 of our Sponsored projects are participating in the CDR project.

The demographic survey launched in Year 1 provided valuable insights into the challenges and successes projects are currently facing in their community building practices.

Year 2 takes us into a deeper understanding of the challenges through a series of interviews with contributors, maintainers and experts working on DEI initiatives in the broader open-source community.

Results from the research will be shared publicly in 2022.

DEI Grants from Chan Zuckerberg Science Initiative

For the first time, several NumFOCUS projects have received significant funding to specifically address DEI within their project communities. We thank CZI for this essential targeted support. The lessons learned from these initiatives will help other projects in our ecosystem identify and apply successful strategies for addressing DEI challenges and promoting a more inclusive community.

Jupyter received funding to broaden participation in the JupyterHub community by establishing a role dedicated to strategy and stewardship for pathways into and throughout the community. The award will also support mentorship and onboarding programs for those not historically represented in the community. Learn more here.

Matplotlib, NumPy, pandas, and SciPy will use their joint award to support onboarding, inclusion, and retention initiatives aimed to serve those underrepresented in scientific Python projects. Grant funding will also be utilized to structurally improve the community dynamics of NumPy, SciPy, Matplotlib, and pandas. Learn more here.
SciPy project maintainer Matt Haberland shares his perspective on the value of the relationship between SciPy and NumFOCUS.
NumFOCUS benefits from a diverse body of stakeholders who believe in the promise of open science and, more importantly, realize that the need for support grows more pronounced each year. These corporate sponsors, foundations, event participants, and generous individual donors provide NumFOCUS with the resources needed to maintain the highest level of service to our Sponsored and Affiliated Projects.

In turn, NumFOCUS strives to be a responsible steward of the financial support we receive, as demonstrated this year by our earning a Gold Seal of Transparency from GuideStar, an independent organization which evaluates nonprofits against multiple transparency and accountability metrics. We consider it both a duty and a pleasure to retain their confidence in us.

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**Grants**

CZI is our largest grant funder to date, having awarded NumFOCUS projects over $6.4 million in total funding, with $3.7 million awarded this year alone. This is life-changing for many projects, helping fund critical development, maintenance, and community initiatives that might not be possible otherwise.

Projects who received funding:

- Matplotlib: Revamping Matplotlib for Modern Data Structures $632,969.00 over 3 years.
- Astropy: Sustaining the Astropy Project $634,590.00 over 3 years.

This is the first ROSES funding initiative aimed towards the open source scientific computing projects NASA relies on. We are grateful for the support of this initiative which acknowledges and reinforces how crucial NumFOCUS projects are for the continued success of scientific research and innovation. [Learn more here.](#)

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**Chan Zuckerberg Initiatives’s Essential Open Source Software**

NASA ROSES Support for Open Source Tools, Frameworks, and Libraries

The Inouye Solar Telescope in Maui uses NumFOCUS tools in its research. Photo by Ekrem Canli.
The partnership of corporate users is essential in sustaining our work. Enterprise stakeholders provide needed resources as well as crucial insights into the myriad of applications of NumFOCUS tools. We extend our appreciation and gratitude to all those participating in our Corporate Sponsorship program.
Corporate Sponsors

Bronze

Emerging Leader

With Support From
Open Science Champions

At NumFOCUS we call our individual supporters Open Science Champions. In 2021, as in each year, hundreds of thoughtful users and developers of our Sponsored and Affiliated Projects volunteer with, donate to, and advocate for NumFOCUS. Their work with us makes scientific computing more open and accessible. We are grateful to each of these generous individuals for giving their time, effort, and resources in support of our mission.

A complete list of individuals who donated to NumFOCUS in 2021 may be found here. Volunteers who serve us through their work on our committees may be found here.

"I cannot even imagine how I would do my scientific work without the open-source tools sustained by NumFOCUS. I am more than happy to give back to this incredible community!"

– Sandro Sousa
FINANCIALS
Revenue

**Donations**

- Corporate Donations
  - Project Restricted: $1,364,053.29
  - Unrestricted: $728,565.14
- Individual Donations
  - Project Restricted: $156,153.59
  - Unrestricted: $98,850.28

**Grants**

- Project Restricted: $2,721,288.00
- Program Restricted: $62,000.00

**Program Services**

- Events: $489,349.64
- Fiscal Sponsorship: $435,367.36
- Google Season of Docs: $47,920.00
- Google Summer of Code: $41,200.00

**Other**

- Project Service Agreements: $735,433.30
- Merchandise Sales: $1,440.94

**Total Revenue**

- Restricted (project & programs): $4,484,672.64
- Unrestricted (project support services): $1,569,533.48

**Total Revenue**: $6,054,206.12
Program Services
- Small Development Grants: $200,931.82
- PyData & Project Events: $170,001.00
- Scholarships & Sponsorships: $26,930.82
- Scholarships & Awards: $4,000.00

Administrative Services
- Software & Subscriptions: $63,109.25
- Bank Charges: $27,767.69
- Equipment & Supplies: $18,926.11
- Insurance: $9,491.73
- Office Expenses: $4,806.00
- Office Expenses: $2,117.72

Project Direct Expenses
- Development & Maintenance: $3,147,094.80
- Fiscal Sponsorship & Indirect Costs: $2,137,530.35
- Dev Ops: $1,353,673.36
- Documentation: $247,356.99
- Events & Workshops: $133,680.65
- Community Management: $60,855.91
- Scholarships & Awards: $45,814.10
- Cloud Services & Hosting: $31,309.99
- Equipment, Supplies, Software & Subscriptions: $19,712.42
- Consulting: $13,637.17
- Consulting: $6,865.00
- Web Development & Maintenance: $6,436.50
- Graphic Design: $3,463.18
- Travel: $2,776.21
- Indirect Costs on Subcontracts: $2,288.97

Project & Program Support
- Payroll: $201,041,074.57
- Accounting: $736,746.50
- Community Engagement Platforms: $58,369.00
- Marketing & Graphic Design: $35,748.59
- Legal: $34,134.02
- Web Development & Maintenance: $34,878.67
- Communication Services: $32,293.26
- Platform Maintenance & Deployment: $34,134.02
- Consulting: $25,382.41

Total Expenses
- $4,452,210.44
Revenue & Expense Comparison 2018–2020

Unrestricted Revenue

Restricted Revenue

Expenses
## Project Financials

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## Project Financials

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<td>$5,125.00</td>
<td>$26,005.50</td>
<td>$17,724.00</td>
<td>$5,217.78</td>
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<td><strong>Balance (All Dates)</strong></td>
<td>$13,856.22</td>
<td>$175,649.45</td>
<td>$122,406.00</td>
<td>$9,696.51</td>
<td>$260,316.90</td>
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# Project Financials

<table>
<thead>
<tr>
<th></th>
<th>Open Journals (JOSS)</th>
<th>OpenMBEE</th>
<th>PALISADE</th>
<th>pandas</th>
<th>PyMC</th>
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<tbody>
<tr>
<td><strong>2021 Income</strong></td>
<td>$726.67</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$322,196.44</td>
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<td><strong>2021 Expenses</strong></td>
<td>$92,747.63</td>
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<td>$170,182.25</td>
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<td><strong>Balance (All Dates)</strong></td>
<td>$256,249.92</td>
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<tr>
<th></th>
<th>PyTables</th>
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<th>rOpenSci</th>
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<th>scikit-learn</th>
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<tbody>
<tr>
<td><strong>2021 Income</strong></td>
<td>$0.00</td>
<td>$47.50</td>
<td>$207,814.27</td>
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<td><strong>2021 Expenses</strong></td>
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<td>$101,689.01</td>
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<td><strong>Balance (All Dates)</strong></td>
<td>$3,077.12</td>
<td>$138,151.98</td>
<td>$188,632.36</td>
<td>$83,361.85</td>
<td>$12,178.47</td>
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## Project Financials

<table>
<thead>
<tr>
<th></th>
<th>SciML</th>
<th>SciPy</th>
<th>Shogun</th>
<th>Stan</th>
<th>SunPy</th>
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<tbody>
<tr>
<td><strong>2021 Income</strong></td>
<td>$152,271.98</td>
<td>$43,555.00</td>
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<td><strong>2021 Expenses</strong></td>
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<td><strong>Balance (All Dates)</strong></td>
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<table>
<thead>
<tr>
<th></th>
<th>SymPy</th>
<th>TARDIS</th>
<th>Xarray</th>
<th>yt</th>
<th>Zarr</th>
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<tbody>
<tr>
<td><strong>2021 Income</strong></td>
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<td><strong>Balance (All Dates)</strong></td>
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<td>$1,089.55</td>
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</tr>
</tbody>
</table>
The NumFOCUS team, our board, and advisors make everything you’ve seen in this report possible. To learn more about the people you see here, visit our website.

### NumFOCUS Staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Leah Silen</strong></td>
<td>Executive Director</td>
</tr>
<tr>
<td><strong>Arliss Collins</strong></td>
<td>Open Source Developer Advocate</td>
</tr>
<tr>
<td><strong>Terry Foor</strong></td>
<td>Director of Development</td>
</tr>
<tr>
<td><strong>Jim Weiss</strong></td>
<td>Events Manager</td>
</tr>
<tr>
<td><strong>Lynn Brubaker</strong></td>
<td>Project Finance Manager</td>
</tr>
<tr>
<td><strong>Nicole Foster</strong></td>
<td>Operations Manager</td>
</tr>
<tr>
<td><strong>Carolyn Rodon</strong></td>
<td>Communications and Marketing Manager</td>
</tr>
<tr>
<td><strong>Lisa Martin</strong></td>
<td>Financial Administrator</td>
</tr>
<tr>
<td><strong>Saminad Trachier</strong></td>
<td>Communications &amp; Digital Marketing Coordinator</td>
</tr>
</tbody>
</table>

### Board of Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sylvain Corlay</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Logan Kilpatrick</strong></td>
<td>Secretary</td>
</tr>
<tr>
<td><strong>Rosie Pongracz</strong></td>
<td>Treasurer</td>
</tr>
<tr>
<td><strong>James Powell</strong></td>
<td>Chair</td>
</tr>
<tr>
<td><strong>Katrina Riehl</strong></td>
<td>President</td>
</tr>
<tr>
<td><strong>Stéfan van der Walt</strong></td>
<td></td>
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</table>

### Advisory Council

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matt Greenwood</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Jason Grout</strong></td>
<td></td>
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<tr>
<td><strong>Shahrokh Mortazavi</strong></td>
<td></td>
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<tr>
<td><strong>Fernando Pérez</strong></td>
<td></td>
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<tr>
<td><strong>Gabriela de Queiroz</strong></td>
<td></td>
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<tr>
<td><strong>Brian Granger</strong></td>
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<tr>
<td><strong>Stefan Karpinski</strong></td>
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<tr>
<td><strong>Travis Oliphant</strong></td>
<td></td>
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<tr>
<td><strong>Tom Pologruto</strong></td>
<td></td>
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<tr>
<td><strong>Peter Wang</strong></td>
<td></td>
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