

2023 Annual Report



**open source
initiative®**

The steward of the
Open Source Definition

The foundation for the entire
Open Source software ecosystem

Letter from the Executive Director

Stefano Maffulli

It's been a great year for the Open Source Initiative, thanks to our sponsors and individual donors who support us stewarding the Open Source Definition. In addition to celebrating the 25th Anniversary of Open Source at more than 30 events around the world, we made amazing progress in our three focus areas: licensing and legal, policy and standards, and advocacy and outreach. A few highlights of our accomplishments:




- The License Review working group has continued to examine and improve the license review process and has created a systematic and well-ordered database of all the licenses that have been submitted to OSI for approval since the time of the organization's founding.
- The Policy team organized a workshop tailored for the U.S. federal government in DC.
- The policy directors Deb Bryant and Simon Phipps have tracked policies affecting Open Source software across the U.S. and Europe and bringing different stakeholders together to voice their opinions. In particular, the Cyber Resilience Act in the European Union and the Securing Open Source Software Act in the U.S are still at the top of OSI's policy work.
- The OSI joined the Digital Public Goods Alliance and launched the Open Policy Alliance with 20 initial members.
- We hosted a global conversation via online and in-person activities as part of the Deep Dive AI, an open multi-stakeholder process to define Open Source AI.
- We launched Opensource.net as a new home for a community of writers and editors of the project formerly known as Opensource.com.

In 2024 our focus is to get consensus on a definition of Open Source AI ([see drafts](#)). We will also continue our support of other non-profits and small businesses in Europe to understand the Cyber Resilience Act and expand the Open Policy Alliance. We'll continue our work to develop a better system to review licenses and expand the content and audience of OpenSource.net.


As usual, we have a very ambitious agenda for a very lean staff. We need to expand our team in order to accomplish our goals, but we can do so only with your financial support. Please consider joining the OSI as an individual member and/or as a sponsor.

Stefano Maffulli
Executive Director, OSI

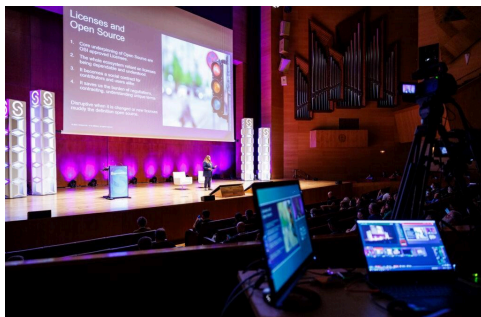
Highlights

Website	Membership	Newsletter
 <p>~2M visitors / year (stable YoY)</p>	 <p>~2800 members (+136% YoY)</p>	 <p>~10100 subscribers (+25% YoY)</p>

The OSI's website received around **2 million** unique visitors in 2023. We surpassed **2,500** members and **10,000** subscribers.

Events	Workshops	Keynotes	Talks	Webinars
 <p>36</p>	 <p>6</p>	 <p>12</p>	 <p>24</p>	 <p>18</p>

The OSI contributed to **36** events worldwide in 2023, holding **6** workshops, **12** keynotes, **24** talks, and **18** webinar sessions.



Licensing and Legal

OSI's License Review Working Group has continued to examine and improve the [license review process](#). The new submission process requires that the license submitter identify what projects are already using the license, describe what gap is not filled by currently existing licenses, and demonstrate that the license complies with the [Open Source Definition](#). The OSI has also created a systematic and well-ordered [database](#) of all the licenses that have been submitted to OSI for approval since the time of the organization's founding. We now have unified OSI-approved licenses with all related metadata to a consistent, reliable and easy-to-access format.

The OSI has also worked towards establishing an open governance model for [ClearlyDefined](#), an open source project with a mission to create a global database of licensing metadata for every software component ever published. We saw greater collaboration between Microsoft, GitHub, SAP, and Bloomberg. Outstanding work from the community went towards optimizing ClearlyDefined's back-end, resulting in a 10-fold decrease in terms of database size and costs. Additionally, improvements are being made to the documentation and process of running a local ClearlyDefined harvest and sharing the licensing metadata with other harvesters. This year, GitHub has [added 17.5 million package licenses](#) sourced from ClearlyDefined to their database, expanding the license coverage for packages that appear in dependency graph, dependency insights, dependency review, and a repository's software bill of materials (SBOM).



OSI Approved Licenses

We provide a venue for the community to discuss Open Source licenses and we maintain the OSI Approved Licenses database.



ClearlyDefined

We aim to crowdsource a global database of licensing metadata for every software component ever published for the benefit of all.

List of articles under "[Legal](#)".

Policy and Standards

The OSI's senior policy directors Deb Bryant and Simon Phipps have been busy keeping track of policies affecting Open Source software in the US and Europe, bringing different stakeholders together to voice their opinions as well as providing direct consultation to policy makers. In Europe a very full legislative agenda poised to impact the Open Source community included the [Cyber Resilience Act](#) and revisions to the [Product Liability Act](#) bringing software into scope. Both had significant impacts on Open Source that were initially underestimated by the legislators, but in collaboration with other community entities OSI was able to deliver actionable education to mitigate the impacts of the bills. In the US, we tracked the [Securing Open Source Software Act](#) as well as numerous [Executive Orders](#) related to Cybersecurity which call out Open Source's vital role, and formally responded to public Requests for Information. In 2023, the OSI joined the [Digital Public Goods Alliance](#) (DPGA) and their mission in support of the United Nations [Sustainability Goals](#). OSI's contributions to the DPGA's 2023 roadmap were published in their [annual report](#). In the US the [Open Policy Alliance](#) was launched with 20 initial members, including the Apache Software Foundation, Eclipse Foundation, the Python Software Foundation, the FreeBSD Foundation and many more. The Alliance began public outreach and education at the [All Things Open](#) event. On the standards front, OSI continues as a member of [European Telecommunications Standards Institute](#) (ETSI) and engages at other international standards bodies on behalf of its communities.



Open Policy Alliance

We are bringing non-profit organizations together to participate in educating and informing public policy decisions related to Open Source software, content, research, and education.

List of articles under "[Policy](#)".

Advocacy and Outreach

The OSI has celebrated the 25th anniversary of Open Source in partnership with 36 conferences from around the world with a combined attendance of over 125,000 people. Throughout the year, our focus has shifted from reviewing the past of Free and Open Source software to exploring the future of Open Source in this new era of AI. We have organized several online and in-person activities as part of the [Deep Dive AI](#), an open multi-stakeholder process to define Open Source AI. We have also organized [License Clinic](#), a workshop tailored for the US federal government. Finally, we have launched [Opensource.net](#) as a new home for a community of writers and editors of the project formerly known as Opensource.com.



25 years of Open Source

We celebrated the 25th Anniversary by sharing the rich and interconnected history of the Free Software and Open Source movements and we explored the challenges and opportunities ahead, from AI to cybersecurity.



Deep Dive: Defining Open Source AI

We are bringing together global experts to establish a shared set of principles that can recreate the permissionless, pragmatic and simplified collaboration for AI practitioners.



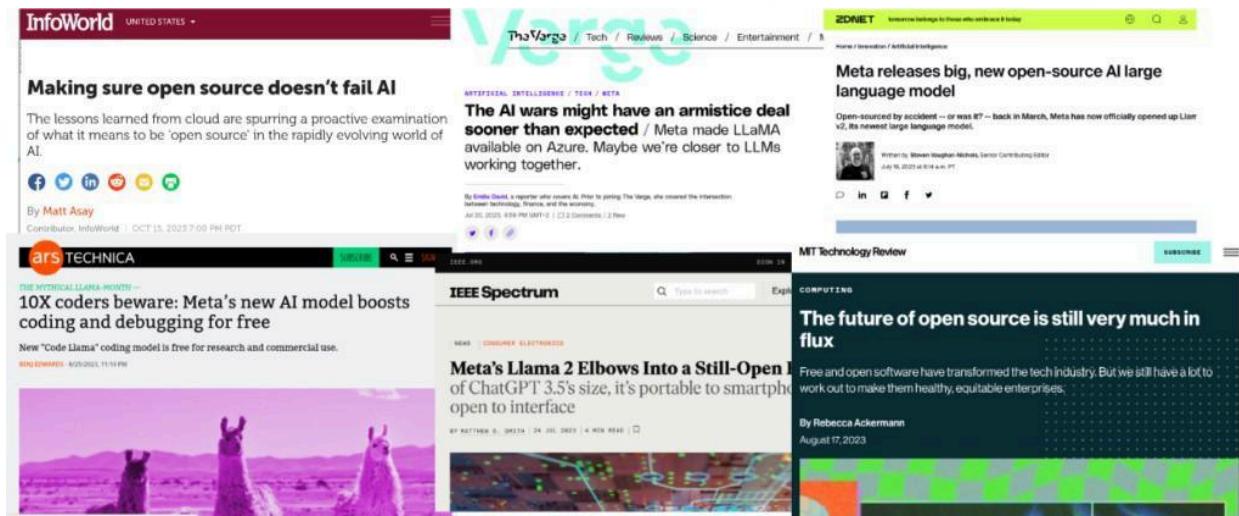
Opensource.net

We gave a new home to the community of contributors from opensource.com. The new platform supports healthy dialog and informed education on Open Source software topics.

List of articles under [“Advocacy”](#).

Press mentions

In 2023, the Open Source Initiative was cited 100 times in the press worldwide, educating and countering misinformation. Our work was featured at The Verge, TechCrunch, ZDNET, InfoWorld, Ars Technica, IEEE Spectrum, MIT Technology Review, among other top media outlets.

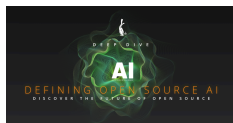
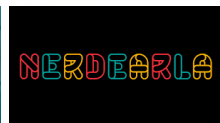
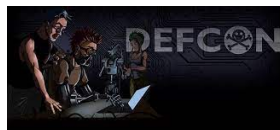


List of select articles under [“Press mentions”](#):

- [Applying the lessons of open source to generative AI](#) (InfoWorld)
- [What is the EU’s Cyber Resilience Act \(CRA\)?](#) (ITPro)
- [Open Source AI and the Llama 2 Kerfuffle](#) (The New Stack)
- [The future of open source is still very much in flux](#) (MIT Technology Review)
- [7 Takeaways On The State And Future Of OSS Disruption](#) (Forbes)
- [Meta’s Llama 2 Elbows Into a Still-Open Field](#) (IEEE Spectrum)
- [Meta can call Llama 2 open source as much as it likes, but that doesn’t mean it is](#) (The Register)
- [So, that’s the end of OpenAI’s ChatGPT moat](#) (Business Insider)
- [The AI wars might have an armistice deal sooner than expected](#) (The Verge)
- [Open source licenses need to leave the 1980s and evolve to deal with AI](#) (The Register)
- [EU’s Cyber Resilience Act contains a poison pill for open source developers](#) (The Register)

Events

The Open Source Initiative contributed with keynotes, panels, talks, and other activities at 36 events worldwide throughout 2023, including the top tech and open source conferences, with a combined attendance of over 125,000 people across 14 different countries.



List of [events in 2023](#). Detailed information of activities is available for each event:

- [EU Open Source Policy Summit](#) – Brussels, Belgium – 3 February
- [FOSDEM](#) – Brussels, Belgium – 4-5 February
- [State of Open Con](#) – London, UK – 7-8 February
- [SCALE 20x](#) – Pasadena, USA – 9-12 March
- [FOSS Backstage](#) – Berlin, Germany – 13-14 March
- [ORT Community Days](#) – Berlin, Germany – 15-16 March
- [Open Source License Clinic](#) – Washington D.C., USA – 4 April
- [FOSS North](#) – Gothenburg, Sweden – 24-25 April
- [Web Summit Rio](#) – Rio de Janeiro, Brazil – 1-4 May
- [Open Source Summit NA](#) – Vancouver, Canada – 10-13 May
- [OpenInfra Summit](#) – Vancouver, Canada – 13-14 June 2023
- [Data + AI Summit](#) – San Francisco, USA – 26-28 June
- [FOSSY](#) – Portland, USA – 13-15 July
- [Campus Party Brazil](#) – Sao Paulo, Brazil – 25-29 July
- [Open Source Congress](#) – Geneva, Switzerland – 27-28 July
- [COSCUP](#) – Taipei, Taiwan – 29-30 July
- [North Bay Python](#) – Petaluma, USA – 29-30 July
- [Diana Initiative](#) – Las Vegas, USA – 5 August
- [Black Hat US](#) – Las Vegas, USA – 5-9 August
- [Ai4](#) – Las Vegas, USA – 6-8 August
- [DEFCON](#) – Las Vegas, USA – 10-13 August
- [NextCloud Conference](#) – Berlin, Germany – 16-17 September
- [Open Source Summit EU](#) – Bilbao, Spain – 19-21 September
- [Nerdearla](#) – Buenos Aires, Argentina – 26-30 September
- [Deep Dive: AI Webinar Series](#) – Online – September
- [Community Leadership Summit](#) – Raleigh, USA – 15 October
- [All Things Open](#) – Raleigh, USA – 16-17 October
- [EclipseCon](#) – Ludwigsburg, Germany – 16-18 October
- [Latinoware](#) – Foz do Iguaçu, Brazil – 18-20 October
- [Linux Foundation Member Summit](#) – Monterey, USA – 24-25 October
- [Community over Code](#) – Halifax, Canada – 26-28 October
- [SFScn](#) – Bolzano, Italy – 9-10 November
- [Digital Public Goods Alliance](#) – Addis Ababa, Ethiopia – 15-16 November
- [Open Source Experience](#) – Paris, France – 6-7 December
- [AI.dev](#) – Palo Alto, USA – 12-13 December

Consolidated Financials

Period: 2022-2023 – (\$ in thousands) – by Phyllis Dobbs, Controller

	2023	2022
REVENUE		
Program Service Revenue	\$244	\$87
Contributions, Membership Dues, and Grants	\$524	\$477
Other Revenue	\$18	\$0
Total Revenue	\$786	\$564
EXPENSES		
Program Service Expenses	\$306	\$116
Staffing	\$206	\$210
Legal & Professional Fees	\$69	\$77
Information Technology Expenses	\$13	\$10
Marketing and Promotion	\$68	\$56
Insurance	\$13	\$9
Other Expenses	\$11	\$13
Total Expense	\$686	\$491
NET INCOME	\$100	\$73
ASSETS		
Cash and Cash Equivalents	\$896	\$771
Accounts Receivable - Net	\$79	\$107
Total Assets	\$975	\$878
LIABILITIES AND NET ASSETS		
Liabilities		
Accounts Payable and Other Liabilities	\$5	\$4
Loan - SBA	\$145	\$148
Total Liabilities	\$150	\$152
Net Assets		
Net Assets Without Donor Restrictions	\$572	\$407
Net Assets With Donor Restrictions	\$253	\$319
Total Net Assets	\$825	\$726
TOTAL LIABILITIES AND NET ASSETS	\$975	\$878

Towards 2024

Our mission is to educate about and advocate for the benefits of open source and to build bridges among different constituencies in the open source community. In 2023, thanks to the commitment and donations from several individuals and organizations, we made substantial progress towards our mission. We hope to continue to evolve our programs in 2024, embracing the new challenges and opportunities ahead, from Artificial Intelligence to cybersecurity. Please consider joining the OSI as an [individual member](#) and/or as a [sponsor](#) or [affiliate](#).

In alphabetical order and at the risk of missing some names of individuals who have contributed to the OSI in 2023, we would like to thank:

Aaron Campbell, Aaron Oldenburg, Aaron Williamson, Abby Kearns, Abby Mayes, Abinaya Mahendiran, Abram Connelly, Adam Bouhenguel, Aditya Mishra, Aeva Black, Agil Antony, Agustina Oubel, Aizhamal Nurmamat, Alberto Colon Viera, Alek Tarkowski, Aleksander Baranowski, Aleksandrs Volodjkins, Alessandra Lemos, Alex Williams, Alexander Beaver, Alexander Brateanu, Alexy Khrabrov, Alin Opri, Aline Deparis, Allan Friedman, Alyssa Gravelle, Alyssa Wright, Amanda Brock, Amanda Casari, Amanda Nystrom, Amy Benson, Ana Jimenez Santamaria, Ana Paula Lauermann, Andreas Liesenfeld, Andreas Nettstrater, Andreas Schreiber, Andrew Flegg, Andrew Germann, Andrew Janke, Andrew Katz, Andy Piper, Angela Brown, Angie Barret, Anibal Prestamo, Annania Melaku, Anne Steele, Anne-Marie Scott, Anni Lai, Anthony Best, Ariel Jolo, Arielle Bennett, Ashley McDonald, Ashley Wolf, Astor Nummelin Carlberg, Aubert Emako Tientcheu, Aviya Skowron, Axel Rivas, Bart De Witte, Basit Ayantunde, Ben Abrams, Ben Brooks, Ben Cotton, Ben Ramsey, Ben Reser, Ben van 't Ende, Ben Werd, Benjamin Heap, Betsy Waliszewski, Biaowei Zhuang, Birthe Lindenthal, Bob van Luijt, Bolaji Ayodeji, Boris van Hoytema, Boris Veytsman, Brendan Miller, Brian Behlendorf, Brian Duran, Brian Dussault, Brian Shaughnessy, Brian Wisti, Brian Warner, Brianna Cluck, Brittney Q, Bruce Perens, Bruno Souza, Bryan Behrenshausen, Bryan Che, Cailean Osborne, Carl Hancock, Carl-Lucien Schwan, Carlos Ansotegui Pardo, Carlos Muñoz Ferrandis, Carlos Piana, Carol DeCoene, Carol Smith, Carol Willing, Caroline Henriksen, Casey Valk, Catharina Maracke, Celeste Horgan, Cesar Plasencia, Chad Ermacora, Chad Whitacre, Cheng Hai-Xu, Cheuk Ting Ho, Chris Aniszczyk, Chris Grams, Chris Hazard, Chris Hermansen, Chris Hill, Chris Rackauckas, Chris Short, Christian Grobmeier, Christian Hoge, Christian Savard, Christine Abernathy, Christophe Biocca, Christopher Cooper, Christoper Morrison, Ciarán O'Riordan, Clarke Wixon, Claudio Santoro, Clement Oudot, Colin Wright, Connor Leahy, Corinna Gunther, Courtenay Pope, Craig Northway, Cristian Iconomu, Cristin Zegers, Dan Cox, Dan Mahoney, Daniel Brotsky, Daniel Izquierdo, Daniel McDuff, Daniel Mierla, Daniel Naze, Daniel Park, Daniel Risacher, Daniel Scales, Daniel Silverstone, Danish Contractor, Danny Perez-Caballero, Davanum Srinivas, Dave Forgac, Dave Lester, Dave McAllister, David Ayers, David Banig Jr., David Both, David Craner, David Crick, David Gray Widder, David Marr, David Shears, David Woolley, Davide Gullo, Dawn Foster, Denise Allison, Denver Gingerich, Derek Long, Derek Slater, Diane Mueller, Dimitris Stripelis, Dirk Riehle, Donald Fischer, Donald Watkins, Doug Hellmann, Drew Adams, Duane O'Brien, Duda Nogueira, Duy Tran, E. Lynette Rayle, Edd Wilder-James, Ekkehard Gentz, Elier Fureraj, Ellie Evans, Ellyn Heald, Emanuele De Boni, Emily Omier, Emily Simonis, Eric Wright, Erik Solveson, Eron Hennessey, Evan Prodromou, Ezequiel Lanza, Fabrizio Trentin, Fatih Degirmenci, Fatima Khalid, Florence Blazy, Florent Zara, Florian Over, Francesco Giannoccaro, Frank Karlitschek, Frank Viernau, Fred Cox, Fred Fenimore, Frederick Mbuya, Frederik Dixon, Gabriel Engels, Gabriel Ramsey, Gabriele Columbro, Gaël Blondelle, Gene Agnew, Georg Link, Gerald Mayr, Gil Yehuda, Giulia Dellanoce, Gordon Haff, Gordon Lee, Grace Tuscano, Greg Lind, Greg Myers, Greg Wallace, Gregory Zingler, Guy Martin, Hannah Aubry, Heather Alphus, Heather Leson, Heather Meeker, Helen Hoy, Helio Castro, Henrik Ingo, Hidemoto Yamauchi, Hilary Richardson, Howard Thomson, Ian Kelling, Ian Sullivan, Ibrahim Haddad, Ildiko Vancsa, Imo Udom, Ingo Renner, Irina Mirkina, Isaac Sanz, Ivo Emanuilov, Jack Canty, Jackson Braider, Jacob Rogers, James (Jim) Wright, James Korein, James Lovegrove, James Tauber, James Vasile, Jamie Maggie, Jannis Leidel, Jason Baker, Jason Smith, Jathan McCollum, Jautau White, Javier Perez, Jean Devaux, Jean Parpaillon, Jeff Dralla, Jeff

Johnson, Jeff Mendoza, Jeff Paul, Jeff Wilcox, Jeffrey Borek, Jeffrey Luszcz, Jen Wike Huger, Jenn McGinnis, Jennifer Ding, Jennifer E. Lee, Jennifer Fowler, Jennifer Pospishek, Jennifer Suber, Jenny Lee, Jeny De Figueiredo, Jeongkyu Shin, Jeremie Tarot, Jeremy Meiss, Jerrold Heyman, Jessica Iavarone, Jessica Smith, Jim Garrison, Jim Hall, Jim Jagielski, Jim Perrin, Jim Zemlin, Joachim Geffken, Joanna Glowacz, Joanna Lee, Joe Brockmeier, Joe Murray, Joey Amanchukwu, John Amaral, John Barbuto, John Eckman, John Sullivan, John Weir, John Yerhot, Jonathan Altman, Jonathan Shar, Jonathan Torres, Jono Bacon, Jordan Harband, Jose Ivan Hernandez, Jose Octavio de Castro Neves Jr, Joseph Beard, Joseph Donahue, Joseph Jacks, Joseph Lemor, Joseph Potvin, Joseph Presley, Josh Berkus, Joshua Drake, Joshua Simmons, Joventino Cinsers, Julia Ferraioli, Justin Colannino, Justin Dorfman, Jutta Suksi, Kara Deloss, Karen Sandler, Karl Fogel, Karsten Reincke, Karsten Wade, Kassandra Dhillon, Kat Walsh, Katharina Koerner, Katie McLaughlin, Keith Herrington, Kenneth Delaney, Kev Barnes, Kevin Fleming, Kevin Sonney, Kimberly Craven, Kirsten Petersen, Kirstie Whitaker, Knute Holian, Kriss Bajo, Kristin O'Connell, Kristina Podnar, Kyle Karsten, Lauren Maffeo, Lauren Pritchett, Laurence Moroney, Laurent Joubert, Laurent Marie, Lawrence Landis, Lawrence Rosen, Lea Gimpel, Leon Allen, Lila Bailey, Lindsay Colbern, Lisa Hoong, Lorna Mitchell, Luca Miotto, Lukas Atkinson, Lucas Carvalho, Lucas Gonze, Lucy Hyde, Luis Majano, Luis Villa, Lyn Muldrow, Maarten Aertse, Madison Oliver, Malcolm Herring, Manny Martinez, Manoj Hathi, Manrique Lopez, Marc Jones, Marcel Kurzmann, Marcos Siriaco, Marcus Cuda, Mariano Ortu, Mariatta Wijaya, Marissa Nino, Mark Atwood, Mark Cathcart, Mark Collier, Mark Dingemans, Mark Radcliffe, Marsee Henon, Marshal Miller, Martial Michel, Martin Haynes, Marty Wolf, Mary Hardy, Mary Radomile, Marzieh Fadaee, Masayuki Igawa, Matt Mullenweg, Matt White, Matthew Broberg, Matthew Lien, Maxime Chambreuil, Maya A. Bernstein, Mayara Frade, McCoy Smith, Meagan Gill, Mer Joyce, Mia Lund, Micah Koch, Michael Brodeur, Michael Guo, Michael Hertig, Michael Meehan, Michael Rhöse, Michael Robinson, Michael Sheldon, Mick Smothers, Mike Bursell, Mike Linksvayer, Mike Milinkovich, Mike Nolan, Mo Zhou, Moez Draief, Mohamed Nanabhay, Monica Ayhens-Madon, Monica Lopez, Mophat Okinyi, Moustapha Abdoulaye Hima, Murat Guzel, Myles Borins, Naresh Adepu, Natali Vlatko, Nathan Urwin, Nicholas Weinstock, Nick Vidal, Nicolas Duminil, Nicole Martinelli, Nikola Desancic, Nithya Ruff, Nivedita M, Noah Boswell, Noel Hidalgo, Ole-Morten Duesund, Olga Creutzburg, Oliver Mensah, Olivier Dobberkau, Omar Santos, Otmar Humbel, Paige Miner, Paloma Oliveira, Pamela Chestek, Paris Buttfield-Addison, Patrick Lehmann, Patrick Masson, Patrick Ohnewein, Patrick Schleizer, Paul Berschick, Paul McGuire, Paul Mills, Paul Phillabaum, Paul Tyng, Paula Hunter, Pete Farkas, Pete Lilley, Peter Chu, Peter Dunkley, Peter Ellis, Peter Wang, Phil Robb, Philippe Krief, Philippe Laurens, Philippe Ombredanne, Phoebe Quincy, Phyllis Dobbs, Pierre Baudracco, Pieter van Noordennen, Qing Tomlinson, Rachel Foucard, Rachel Lawson, Ralph Loizzo, Ran Yu, Randal L. Schwartz, Reshama Shaikh, Ricardo Mirón Torres, Ricardo Sueiras, Richard Fontana, Richard Littaeur, Richard Schneeman, Richard Zak, Rick Clark, Rob Allen, Rob Landley, Rob Mackie, Robert Cathey, Robert Hansel, Rohan Singh Rajput, Roland Turner, Roman Iakovlev, Roman Shaposhnik, Rory MacDonald, Rounak Gupta, Rowan Wilson, Roy Hyunjin Han, Russell Nelson, Ruth Suehle, Ryan Coonan, Ryan Harvey, Sachiko Muto, Saira Jesani, Sal Kimmich, Sam Bishop, Sam Ramji, Samantha Mandell, Sarah Bower, Satya Mallick, Sean Roberts, Sebahattin Özata, Sebastian Schubert, Sebastien Michea, Seo-Young Isabelle Hwang, Serenella Saccon, Serkan Holat, Seth Hillbrand, Seth Kenlon, Seth Schoen, Shane Coughlan, Shilla Saebi, Shivam Potdar, Shuji Sado, Siddharth Manoharrs, Silona Bonewald, Simeon Oriko, Simon Muskett, Simon Phipps, Somenath Dasgupta, Soohong Park, Stefano Canepa, Stefano Maffulli, Stefano Zacchiroli, Steffen Krause, Stella Biderman, Stephen Augustus, Stephen Jacobs, Stephen Mather, Steven Muegge, Steven Pritchard, Stuart Langley, Surya Santhi, Sven Spiller, Swapnil Bhartiya, Tammy Zhu, Tanya Dadasheva, Tarunima Prabhakar, Ted Liu, Tetsuya Kitahata, Thomas Blood, Thomas Koeppen, Thomas Peikert, Thomas Schwinge, Thomas Steenbergen, Thorsten Glaser, Timothy Gaudette, Tobie Langel, Todd Lewis, Tom Bedford, Tom Callaway, Tom Schoemaker, Tonico Novaes, Tony Scully, Tony Wasserman, Tracy Hinds, Tracy Miranda, Tyler Bevan, Vaishali Avhad, Van Lindberg, Veronica Abdala, Victor Storchan, Victoria Fierce, Vinay Vira, Vincenzo Disomma, Vineet Aguiar, Vipul Siddharth, Vivek Krishnan, Wiebe Cazemier, Will Norris, Wim de Vries, Yaroslav Russkih, Zaheda Bhora, and Zuzanna Warso.