consortium

Promoting the R language and leading initiatives in the R Community

Annual REPORT

2023

Table of Contents

Letter from the Chair

Welcome to the 2023 Annual Report of the R Consortium. This document reflects a year of significant growth, innovation, and community engagement within and beyond the R ecosystem. As we present the accomplishments and milestones of the past year, we also set our sights forward, laying out the path for an even more collaborative and impactful future.

The R Consortium serves as a central hub for the R community bringing together industry leaders, academic institutions, and individual contributors to foster the development and proliferation of the R language. Our mission is to support the R community through funding, infrastructure improvement, community initiatives, and global outreach.

In 2023, the R Consortium played a pivotal role in shaping the development of the R ecosystem. Through monetary grants nearly $200,000 dollars to develop R packages and other technical infrastructure, through fostering industry wide collaborative working groups, and by supporting R-Ladies, R user groups and several important industry conferences including Latin-R, New York R and Bioconductor conferences. This report highlights some of these achievements, showcasing the collective effort of our members and the broader community.

Recognizing the dynamic nature of the data science technologies and the evolving needs of industry we also recognize the responsibility of the R Consortium to help set a vision for the evolution of the R ecosystem. As you read through this report, we hope you'll appreciate the strides we've made together and feel inspired by the potential of what we can achieve in the future. The R Consortium is more than just an organization: it's a vibrant community of innovators, problem-solvers, and thought leaders. Together, we are shaping a future where the power of R is accessible to all and continues to drive progress across industries worldwide.

Thank you for your continued support and dedication to the R Consortium and the wider R community.

— Mehar Pratap Singh, Chairman

MISSION

We are here to promote the R language, support the R community and the R Foundation, and to help develop the infrastructure required to ensure the long-term stability and growth of the R Ecosystem.

VISION

Our vision is ambitious. We are helping to build out the R ecosystem to support the use of statistical methods in finance, insurance, medicine, healthcare, pharmaceuticals, government and other industries that will increasingly depend on data driven analyses.

MEMBERSHIP

The R Consortium is the mechanism for corporate entities and other organizations to support and engage with the R Community.

Membership in the R Consortium signals community leadership, a long-term perspective, and an appreciation for the efforts of R's open source contributors. Our members show commitment and a desire to contribute to the community, strengthening it for the benefit of all.

As of 2023, a Platinum membership is US$100,000; Silver membership is $25,000 USD for companies with 100+ FTE and $10,000 USD for companies with fewer than 100 full-time employees, or non-profits or universities

The R Foundation is a member of the R Consortium

R-Consortium Members

Platinum Members

Biogen
Genentech
A Member of the Roche Group
Microsoft
posit

Silver Members

ASA
ASCENT
esri
GSK
Google
janssen
PHARMACEUTICAL COMPANIES
of Johnson&Johnson
lander analytics
UNLOCKING DATA TO DRIVE YOUR BUSINESS
MERCK
INVENTING FOR LIFE
Pfizer
PROCOGIA
novo nordisk
ORACLE
Swiss Re

Operations

R Consortium operations are divided into four areas: grants and grant management, working group operations, community support, and internal operations.

Grants and Grant Management

The R Consortium is committed to supporting the growth and sustainability of the R ecosystem through its annual grant program. Established in 2016, the consortium has allocated over $1,600,000 in grants to organizations and individuals, contributing significantly to both the technical and social aspects of the R community.

These grants are funded entirely by the annual membership dues from our member companies. This approach not only ensures a steady stream of support for the R ecosystem but also demonstrates the business community's investment in the future of open source R development. Through these grants, member companies have the opportunity to actively participate in and contribute to the ongoing development and nurturing of the R community.

Technical Infrastructure Grants

The technical infrastructure of the R ecosystem is developed and maintained by the R Foundation, the R Core Group, the CRAN central package repository, companies who provide R code under open source licenses, and thousands of individual developers who labor mostly with little or no financial support for the common good. Technical infrastructure is awarded by the Infrastructure Steering Committee (ISC).

R-Hub

The R-Hub package build system, the first "Top-level Project" selected for funding by the R-Consortium, is a multi-platform build and check service for R packages. (A "top-level project" is one that is recognized for longer term support.) The goal of the project is to have the system provide exactly the same test environment and package checks as the CRAN testing systems. In 2023, the system was redesigned to take advantage of the test environment made freely available by GitHub actions. The project expects to migrate to rhub2 in 2024.

Infrastructure Steering Committee Grants

Each year, in March and September, the ISC issues a call for proposals for projects that would significantly improve the R Ecosystem. Grants typically range from $3,000 to over $20,000. In 2023 the ISC awarded the following grants.

Grant Number	Project Name	Grant Recipient	Amount Awarded
23-ISC-1-01	The future of DBI (ext. 1)	Kirill Müller	$10,000
23-ISC-1-02	api2r: An R Package for Auto-Generating R API Clients	Jon Harmon	$15,750
23-ISC-1-03	Automated testing of R packages	Mark Padgham	$3,000
23-ISC-1-04	Calculate predicted volatility of chemical compounds	Kristina Riemer	$12,265
23-ISC-1-05	Secure TLS Communications for R	Charlie Gao	$10,000
23-ISC-2-01	R Kafka Client	Andreas Neudecker	$8,000
23-ISC-2-02	Taking r-universe to the next level	Jeroen Ooms	$78,000
23-ISC-2-03	Accessibility Enhancements for the R Journal	Dianne Cook	$4,000
23-ISC-2-04	Causal Inference in a Box	Malcolm Barrett	$5,000
23-ISC-2-05	Tooling for internationalization of R help pages	Elio Campitelli	$20,800
23-ISC-2-06	RStats Mastodon Server	Dan Wilson	$1,307
23-ISC-2-07	Translating R to Nepali	Jung Bogati	$1,000
		TOTAL	$131,122

Social Infrastructure Grants

R is more than just a computer language. A great strength of the R-Project for Statistical Computing is the active community of developers, maintainers and users who devote countless hours of effort to sustain and improve the language. The R Consortium recognizes the need to support the global community by funding projects, organizations, and events that constitute the social infrastructure of the R Community. In 2023, social infrastructure grants included grants to R-Ladies as well as grants issued through the RUGS program.
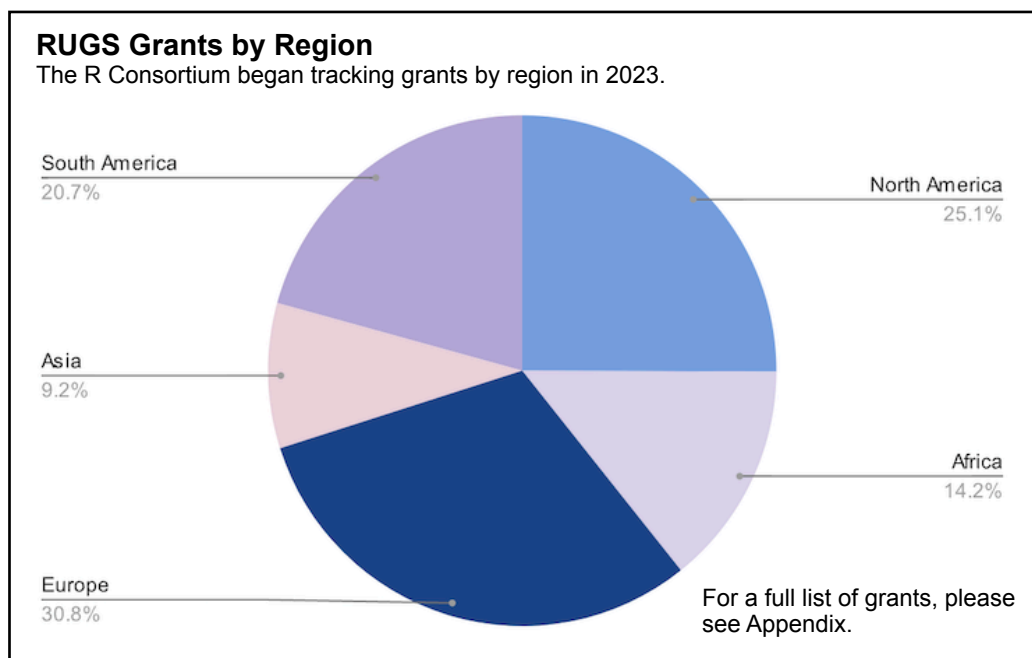
R-Ladies

The R Consortium is proud to be able to continue its support for R-Ladies, a global organization committed to promoting gender diversity in the R community. R-Ladies became an R Consortium Top Level Project in 2017.

RUGS Grants

The RUGS program provides grants that support R user groups, conferences focused on applications of the R language, and special projects that are likely to strengthen a significant portion of the R community. Grants include cash awards and enrollment of R user groups into the R Consortium's professional meetup.com account, which provides free use of the meetup.com application to organize and track RUGS meetings. In 2023, the RUGS program awarded grants to user groups in Botswana, Brazil, France, Germany, Italy, Korea, Nepal, Nigeria, the Philippines, Spain, Switzerland, Thailand, the United Kingdom, the United States, and Uruguay.

RUGS Grants by Region
The R Consortium began tracking grants by region in 2023.

South America 20.7%

North America 25.1%

Asia 9.2%

Africa 14.2%

Europe 30.8%

For a full list of grants, please see Appendix.

Conferences

The R Consortium again supported a number of R-related events in 2023. More details about these conferences follow in this report.

Working Groups

R Consortium working groups are organized to support large-scale collaborative projects. They provide safe, noncompetitive environments operating in compliance with US Antitrust laws that enable individuals, companies, and other organizations to collaborate on R Ecosystem projects that will serve the common good. R Consortium working groups are authorized and funded by the ISC. They are open to all members of the R Consortium whether or not they are employed by ISC member companies.

The Census WG

After a four-year hiatus, the Census Working Group was reorganized as a partnership between the American Statistician Association and members of the U.S. Census Bureau. This is significant for multiple reasons:

- The existence and promotion of the collaboration helps to focus attention on the importance of protecting the integrity of Census data which is essential for informed government and business decision making.
- Because of its sheer size and complexity, Census data presents challenges to users who could benefit from it.
- The effort displays the effectiveness of R for manipulating and displaying tabular information.
- The collaboration highlights the growing use of R in government agencies.

Their first task will be to update the Census Guide first produced five years ago.

The IDEA WG

Inclusion, Diversity, Equity, and Accessibility are core values for the R Community. From the early days of the R Consortium, the IDEA working group has provided guidance on writing codes of conduct, organizing conferences, recruiting speakers from diverse backgrounds, and expanding the reach of R to underrepresented geographic regions. This year the working group began a reorganization process to meet the changing needs of the R community. Stay tuned for a new IDEA in 2024 with an expanded charter.

Object-Oriented Programming Working Group

The R Consortium Object-Oriented Programming Working Group is a collaborative effort to design a new OOP system to offer a modern alternative to the S3 and S4 object frameworks. The project, which included representatives from R-Core, Bioconductor, the tidyverse/Posit, and the wider R community, finished up the first phase of its work by releasing the S7 package to CRAN. For background on the project please see the package vignette, Motivation for S7.

R/Medicine WG

R / Medicine is a virtual conference with an international following organized and produced by the R/Medicine working group's community volunteers. The conference addresses the data science needs of physicians and clinicians and is devoted to promoting the development and use of R-based tools to improve clinical research. The June 2023 conference set new records, with 711 registrants from 59 countries, with 100% of 102 respondents planning to attend this conference in the future. It received a world-class Net Promoter Score of 79. 43% of attendees identified as women or other genders. Look here for more information on R/Medicine Conferences.

R Repositories WG

The R Repositories working group continued its work on investigating the technologies and operational structures that will be important for developing the infrastructure to support the use of R in production-grade business applications. The group collaborates with rOpenSci's R-universe project, the R-Hub project, the Repositories workstream of the R Validation Hub and CRAN on projects that would benefit the R community. Some progress has already been made to improve and standardize the testing of R packages and establish best practices for specialized repositories that could complement CRAN.

R Tables for Regulatory Submissions WG

The RTRS working group is developing standards for creating the specialized tables included in submissions to the FDA and other regulatory agencies. In 2023, RTRS published the first edition of the online e-book *Tables in Clinical Trials with R.* The e-book illustrates how the most common tables included in clinical trial submissions can be constructed with multiple R packages. RTRS includes representation from large pharmaceutical companies, CRO's and R table package developers. The table (left) shows a few lines of a typical adverse events table that could extend over multiple pages and be complicated by requirements for footnotes and the requirement to display multiple levels of numerical precision.

	A: Drug X (N=134)	B: Placebo (N=134)	C: Combination (N=132)
Patients with at least one event	122 (91.0%)	123 (91.8%)	120 (90.9%)
Total number of events	609	622	703
cl A.1			
Patients with at least one event	78 (58.2%)	75 (56.0%)	89 (67.4%)
Total number of events	132	130	160
dcd A.1.1.1.1	50 (37.3%)	45 (33.6%)	63 (47.7%)
dcd A.1.1.1.2	48 (35.8%)	48 (35.8%)	50 (37.9%)
cl B.1			
Patients with at least one event	47 (35.1%)	49 (36.6%)	43 (32.6%)
Total number of events	56	60	62
dcd B.1.1.1.1	47 (35.1%)	49 (36.6%)	43 (32.6%)

R Submissions WG

Since its inception in 2020, the R Submissions working group has been cooperating with the Office of Biostatistics, Center for Drug Evaluation and Research (CDER), U.S. Food and Drug Administration to create the procedures, guidelines, software, and infrastructure required for pharmaceutical companies to make clinical trial submissions entirely in the R language. After receiving authorization to use the FDA's electronic gateway, the working group began developing a series of Pilot submissions that simulate both the content and process of an actual drug submission. Each pilot submission builds on the previous pilots. Pilot submissions are passed through the FDA gateway evaluated by FDA statisticians and sent through the FDA approval process.

In 2023 the WG successfully completed the Pilot 2 submissions which provided a proof of concept for submitting a Shiny application (Read the FDA evaluation here.), and submitted Pilot 3 which includes building the required ADaM datasets in R. As the year draws to a close, the working group is making progress on Pilot 4 which includes packaging R submissions using both container and WebAssembly technology.

The Training and Certification WG

This working group is exploring the possibility of developing R certification exams as an additional source of income for the R Consortium. The initial prototype exam is being designed to certify the skills necessary to be successful in a mixed SAS and R clinical programming environment. After a setback caused by turnover in both the working group and the supporting team from the Linux Foundation, the group has reconstituted itself under the leadership of R Consortium Director Uday Preetham Palukuru and Standards Lead at Merck&Co, and is on track to deliver an exam in 2024.

R Validation Hub

2023 was a big year for the R Validation Hub. In a smooth transition, leadership passed from Andy Nicholls of GSK the group's founder to Roche's Doug Kelkhoff. The working group elected a new executive committee and launched a new communications team. Team members

spoke at the R/Basel 2023 conference, participated in the R/Pharma Roundtable Summit at Posit Conf 2023, and presented at the R/Pharma virtual conference. The riskassessment app, which allows users to assess the risk of an R package, was voted the best Shiny app at Appsilon's shinyConf 2023. The activities of the working group are summarized in the following graphic.

The working group also established the new Regulatory R Repository workstream with a mission to develop a prototype repository to store and manage R packages that would meet the validation standards being developed by the participating pharmaceutical companies and operate in a way that could win the trust of the FDA and other regulatory agencies. Currently, the idea is to build a pharma specific repository that would be complementary to CRAN. The project is still at the exploratory stage.

Community Support

The R community is critical to the growth of R language use around the world. The Community Development Committee, managed by contributors who work for R Consortium member companies and supported by a small staff of marketing professionals, focuses on promoting the activities of the R Community.
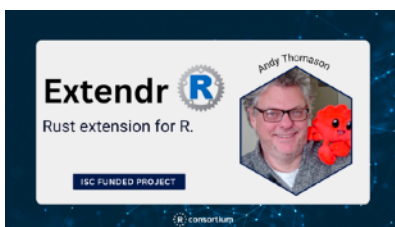
The committee works with R conference and event organizers, R user groups, R Consortium partners, member companies, and others to promote the use of the R Language worldwide.

Working through the R Consortium blog, social media channels, and directly through contacts in the R Community, the Community Development Committee strives to bring attention to individuals and groups who are using their R language skills to educate others and extend the reach of R.

The Community Development Committee makes decisions on funding   R-themed conferences globally and often provides direct technical support for events.

Infrastructure Steering Committee (ISC) Projects

The R Consortium funds projects under the Infrastructure Steering Committee (ISC) to enhance and strengthen the infrastructure that supports the R Ecosystem. The focus is on financial and technically supporting projects that improve R infrastructure. The R Consortium also promotes ISC projects through R Consortium channels so potential users can learn more about the projects and how they contribute to the R infrastructure. This has helped increase the visibility of ISC projects. Examples include the following.

R Consortium Funded Project Extendr Provides Rust Extensions for R

deposits R Package Delivers a Common Workflow for R Users - R Consortium

femR: Bridging Physics and Statistics in R with Support from the R Consortium

R User Groups

The R Consortium connects with R user groups around the world. We provide tangible support through grants and Meetup.com Pro accounts to help support their activities but also highlight and promote the user groups to enhance visibility and reach.

We regularly check in with R user group leaders and R conference organizers and interview them about accomplishments, planned activities and upcoming events. Many of these interviews are published as R Consortium blogs and promoted on social media. We also encourage contributions from our R user groups that relate to their community, and we are happy to assist in promoting their upcoming events.

R Glasgow user group

R-Ladies Vitória

Tunis R User Group

UseR Chile Group

R-Ladies New York

R User Group Nepal

R en Rosario

R Korea Group

R-Ladies São Paulo

Eskisehir R Users Group

R Nantes

R-Ladies Gaborone

Operations, Continued

The R Consortium's R User Group and Small Conference Support Program (RUGS) supports meetings around the world. Groups have met in Botswana, New York City, Taipei, Philadelphia, Vienna, Frankfurt and many more. These groups receive access to Meetup.com Pro providing a platform where they reach out to others just starting their journey with R or are seasoned veterans.

Explore the location of all our R User Groups with 79,638 members and 92 groups in 37 countries. In 2024 we have a goal to reach out to international R User Groups in underserved locations.

- **92 groups**
- **79,628 members**
- **3,275 events**

From the founder of the Abuja R User Group and R-Ladies Abuja

> Bilikisu Wunmi Olatunji · 2nd
> Data Scientist | R Shiny Developer   23h ···
>
> Thank you R Consortium for the opportunity to serve and your support.

From R-Ladies Paris, which has 1,047 members and is part of R-Ladies Global.

> **R-Ladies Paris**
> @rladies_paris@mastodon.social
>
> @RConsortium Thank you so much for your support!
>
> #RStats #RStatsFr #Paris

From R-Ladies Gaborone, which has 564 members and is part of R-Ladies Global.

> **R-Ladies Gaborone**
> 498 followers
> 6d · 🌐
>
> A big thanks to **R Consortium** for acknowledging the volunteer work we do and seeing a small #rstats chapter in the large #rstats community 💜
>
> #datascience #opensource #openscience #womenwhocode
>
> **R Consortium**
> 6,056 followers
> 6d · 🌐
>
> 🌟 New Blog Alert: "From Local Roots to Global Reach: The Collaborative Expansion of **R-Ladies Gaborone**"   ...see more

From Uzair Aslam, founder of Karachi R User Group

> **UZAIR ASLAM** · 1st
> Data Scientist | Data Science Developer | Providing Data Analytics Solutions for Enterprises
> 2h · 🌐
>
> Exciting News! The Karachi R User Group is officially off the ground, and what a kickoff it was last Saturday! 🎉
>
> As the proud organizer, I'm thrilled to share that Pakistan has joined the vibrant community of 79,564 R developers across 37 countries, thanks to the support of the **R Consortium**. 🎁

Value in Belonging
Short Highlights from Recent RUGs Posts

"We are working together on writing a book for the Hispanic R community. Almost 50 people are working on it.." (*Fundamentals of Data Science with R*, in Spanish)
— *Fernández-Avilés Calderón, organizer of the R Quixote user group*

"… the R community is very welcoming. R has excellent documentation, including Quarto books and R Markdown, which makes learning the language easier. I wouldn't have been able to change careers without this welcoming community ..."
— *Sam Parmar, organizer of the Indy UseR group*

"There is a passionate interest among the R enthusiasts. I believe the enthusiasm comes from knowing about Rs' use in Data Science work, a growing skill in the job market. "
— *Simisani Ndaba, Founder and Organiser of R-Ladies Gaborone (Botswana)*

"We're excited about the potential for collaboration with… professionals. At a recent event, we were pleased to see participation from three professionals from different fields, a new record for us. Among them was a lawyer, Michael Ezeh, who has experience with data visualization tools like Power BI and Tableau. He's keen to expand his programming knowledge, starting with R, which is encouraging."
— *Bilikisu Wunmi Olatunji, founder of the Abuja R User Group and R-Ladies Abuja*

Conferences

The R Consortium continues to make significant contributions to the R community through its active involvement in numerous R-focused conferences. The R Consortium enthusiastically sponsors well-known key R conferences, such as useR!, satRdays, and LatinR providing essential financial and logistical backing. These conferences, held around the globe, serve as vital platforms for R enthusiasts to connect, share knowledge, and collaborate on innovative projects.

The R Consortium at Posit:Conf 2023

In parallel with these events, the R Consortium also organized a series of workshops and webinars, often as part of these conferences, to enhance the skills and knowledge of R users. These sessions covered a wide range of topics, catering to both beginners and experienced R practitioners. The R Consortium's efforts in these conferences fostered a sense of community among R users and significantly contributed to the ongoing development and promotion of the R language within data science and statistical computing.

The R Consortium ❤ LatinR

2023 Conferences

Conference	Dates	Location
Posit:conf	September 17 – 20, 2023	Chicago, IL
BioC Europe	September 20 – 22, 2023	Heidelberg, Germany
LatinR 2023	October 18 – 20, 2023	Montevideo, Uruguay
R government	October 19 – 20, 2023	Washington DC
R/Pharma	Oct 24 – 26, 2023	Virtual
PHUSE EU Connect 2023	Nov 5 – 8, 2023	Birmingham, UK

A Note About SatRDays

SatRdays, a concept pioneered by Steph Locke and initially supported by an ISC grant, are affordable, R-centric conferences typically hosted on Saturdays. These events are spearheaded by local community leaders with the aim of nurturing local talent and introducing newcomers to the R programming language. The events are designed to be easily accessible, requiring no time off fromwork, and are either free or minimally priced for attendees. The focus is on tailoring talks and content to meet the specific needs of each community, creating a safe and inclusive atmosphere for learning and collaboration.

The R Consortium is rejuvenating the satRdays concept, including developing a new website template for satRdays. This template is designed to simplify organizers' process of establishing a website for their events.

The revamped satRdays website utilizes Quarto, generating HTML that's easily deployable on platforms like GitHub Pages or Netlify. The GitHub repository for this initiative serves as a template, enabling organizers to quickly set up their own satRdays website using this framework. The template's design focuses on ease and speed, allowing for simple modifications to elements such as speaker lists, schedules, and custom countdowns through editing YAML files, for example, at GitHub.

Webinars

Our series of R Adoption Webinars delves into the intricacies and benefits of integrating R as a primary platform for data science computation. These webinars are curated by members of the R Consortium and encompass a broad spectrum of subjects.

You can access all future and past webinars, complete with video recordings, at this link: R Consortium Webinars.

2023 Webinars	Date
Validation Hub Community Meeting	June 27, 2023
R/Adoption Series: Learnings and Reflection from R Validation Case Studies	March 30, 2023
Teal: An R-Shiny Framework to Unlock the Power of Interactive Data Exploration	February 23 2023
{MMRM} and Software Engineering Working Group	January 26, 2023

The R Adoption Series

Learn More: R/Adoption Series: Introducing the Software Engineering Working Group and {mmrm}

Learn more: R/Adoption Series: R and shiny in regulatory submission

Learn more: R/Insurance Series: For Everyone in Insurance or Actuarial Science

Social Media Growth

The R Consortium experienced consistent growth in its social media following in 2023. The R Consortium is highly active on social media platforms and posts daily.
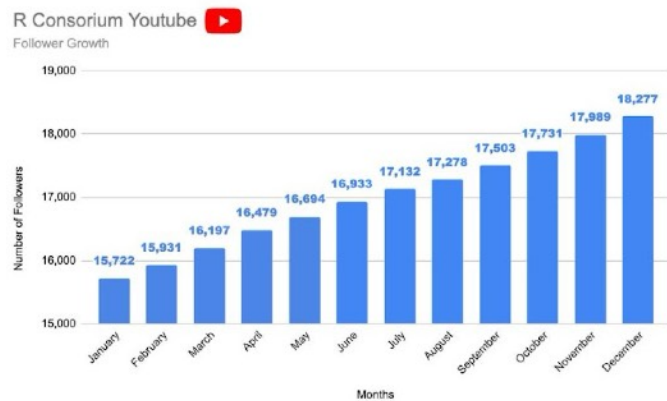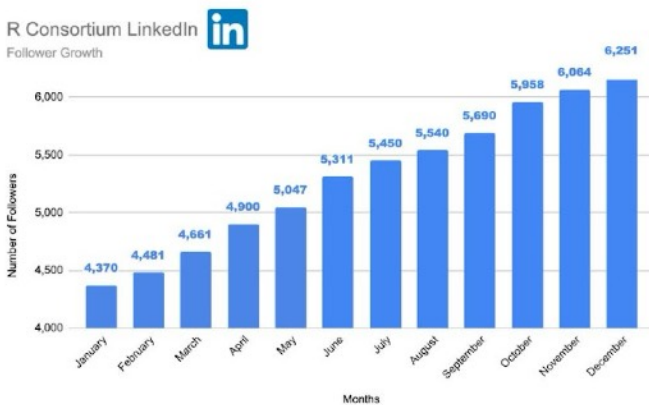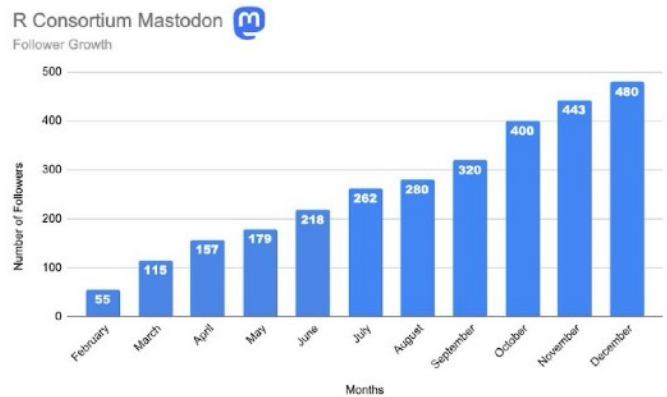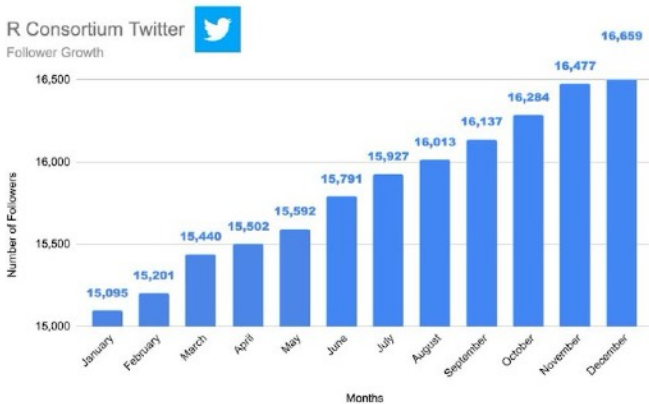
The R Consortium's LinkedIn account started with 4,370 followers and ended the year with 6,251 followers, an increase of more than 43%.

Similarly, the R Consortium's YouTube channel started with 15,722 followers and ended the year with 18,277 followers, an increase of more than 16%.

At the beginning of the year, the R Consortium's X account had 15,095 followers, which increased to 16,659 followers by the end of the year, an overall increase in followers of more than 10%.

Lastly, the R Consortium explored alternatives to X, and our new Mastodon account started the year with 55 followers and ended the year with 480 followers, increasing almost 800% during the year.

By continuing to post quality content that focuses on R related topics and users, we expect the R Consortium's social media reach will continue to grow in 2024.

Internal Operations

Linux Foundation

The R consortium is an independent non-profit organization organized as a project under the Linux Foundation. Under the terms of a multi-year contract the Linux Foundation provides program management, finance, accounting event services and other administrative services to the R Consortium.

Gesmer Updegrove LLP

Gesmer Updegrove provides legal services and expert advice on the many challenges facing a non-profit organization.

Story Changes Culture

The Story Changes Culture agency (SCC) manages the day-to-day community development for the R Consortium and provides a wide range of community development, content development, and marketing services. These include connecting with ISC grant recipients and R User Group organizers to monitor progress and develop blog posts, social media content development, YouTube editing and curation, and supporting R events of all types, including conference participation, webinar development, promotion, and hosting.

Looking Forward

Grants

The R Consortium expects to support the R Community and ecosystem with a combined 2024 budget of over $400,000 for the ISC and RUGS grant programs. The ISC will issue calls for proposals in March and September, and the RUGS program will begin evaluating requests for grants on January 8, 2024. Both the ISC and RUGS programs are working to improve the website information providing guidance for the kinds of projects that will be eligible for funding and to streamline and clarify their respective grant application processes.

Community Support

The R Consortium will increase its already intense efforts to highlight and promote the work done by ISC grant recipients, R user groups, the R Foundation, rOpenSci, R-Ladies, and the open source work of its member organizations and partners. The 2024 budget includes over $120,000 to sponsor R conferences and events which is in addition to the grant money in the RUGS program. The R Consortium is also looking forward to producing the annual R/Medicine conference and re-energizing the satRdays program to bring affordable, single-day R events to underserved locations throughout the world.

Online Events

The R Consortium Community Development Committee is working to develop a full program of online events. In addition to continuing the well-attended R adoption series of webinars, the community has already begun to schedule a series of events highlighting the use of R in financial applications focused on actuarial science. You can follow R Consortium-supported conferences and events on the [Events webpage](#).
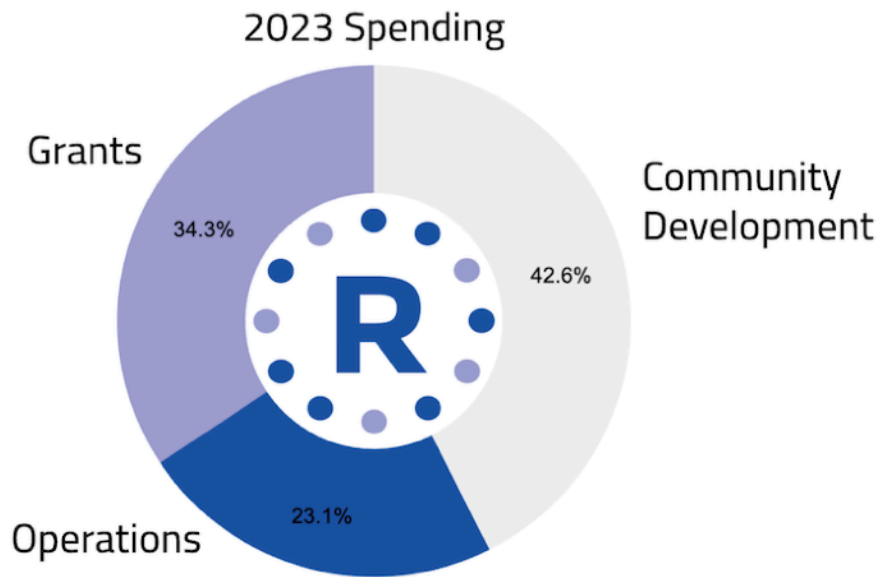
New Members Drive

A focus for 2024 is to promote growth in the R Consortium membership. Building on a solid base of pharmaceutical companies leading the transition from proprietary software to R and open source software, we expect that the momentum R is building will attract additional members from this industry. Additionally, we will be making a strong outbound effort to attract membership from the Insurance industry and other financial companies. R is rapidly becoming the language for advanced model building in the actuarial sciences, and we believe the time is right to promote the use of R to help companies looking for alternatives to Excel build replicable applications.

Internal Infrastructure

In 2024, the R Consortium plans to undertake significant efforts to improve, enhance, and in some cases retool our infrastructure. Our plans include expanding efforts to make the most of GitHub for supporting the processes that manage our grant programs and retooling the r-consortium.org website. Convinced that the "medium is the message," we plan to implement a portion of the site in Quarto – a technology that is rapidly being adopted throughout the R Community and by open source organizations. We believe this change will increase the rapidity by which we can make changes and improve the ability of Community volunteers to help maintain the site and implement new features. We are also exploring the possibility of launching a technical blog that will support contributions from the R community.

Consortium Finances

Figure 1. 2023 Spending

2023 Spending

Grants and Community Development funds support the R-Community directly. Figure 1 summarizes 2023 expenses. Figure 2 provide details for historical spending.

Operations expenses include legal, financial, administrative, marketing and public relations work that ensure the efficient functioning of the organization.

Figure 3 summarizes the R Consortium's budget over the past five years.

Figure 2. Community Development, Operations, Grants

Figure 3. 5-Year Finances

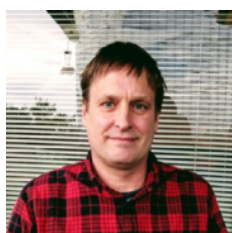| Type	2019	2020	2021	2022	2023
Community Development	88,222	67,101	78,141	113,411	243,855
Operations*	69,804	72,902	73,330	134,717	132,269
Grants	256,800	279,366	325,055	191,605	196,746
Total Expenses	414,826	419,368	476,526	439,733	572,870
Total Revenues	543,333	591,250	615,000	695,000	225,000

Consortium Governance

The primary mission of the R Consortium is to develop and implement infrastructure projects to support the R community. As a Linux Foundation Project, the R Community embraces principles of openness and collaboration as defined in the code of conduct.

The business of the foundation is managed by its Board of Directors, composed of appointed Platinum members of the R Consortium, annually elected Silver members of the R Consortium, and the ISC-appointed director as defined in the ByLaws. Board membership as of Dec 2023 is listed in Table 6.

Mehr Pratap Singh - R Consortium Chair and ProCogia CEO and Founder

Henrik Bengtsson - ISC Chair and Associate Professor at University of California, San Francisco

Bob Engle - Biogen: Director Data Sciences (Former Director)

Allison Braily - Biogen: Global Leader, Statistical Programming, Data Sciences, Data Standards, SDTM

Sumesh Kalappuraka - Janssen Pharmaceuticals: Head, Methodology & Innovation, Clinical & Statistical Programming

Jared Lander - Lander Analytics: Founder and Chief Data Scientist

David M Smith - Microsoft: Developer Advocate Lead (AI/ML/Data Science)

Ning Leng - Genentech: People and Product Leader, Data Science Acceleration, Product Development Data Sciences (Former Director)

Michael Lawrence - R Foundation: R Core member, and Director of Data Science and Statistical Computing at Genentech

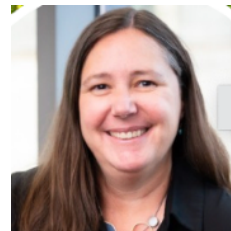Vincent Shen - Roche: Chief Product Owner for NEST

Michael K. Smith - Pfizer: Director of Statistics

Joseph Rickert - R-Consortium: Executive Director (Former Director)

Hadley Wickham - Posit: Chief Scientist

Tracy Teal - Open Source and Data Science Leader (Former Director)

Uday Preetham Palukuru - Merck&Co.: Standards lead
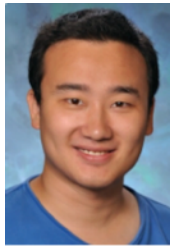
Infrastructure Steering Committee

The Infrastructure Steering Committee (ISC) is responsible for the identification, selection, and oversight of infrastructure projects, as well as directing best practices and community leadership within the R community. Voting representatives are appointed by the Platinum and Silver members of the R Consortium, as well as an elected member from the Silver membership class and the project leads for all top-level projects as directed in the ISC Charter. Board membership as of Dec 2023 is listed in Table 7.

Henrik Bengtsson - ISC Chair and Associate Professor at University of California, San Francisco

Hadley Wickham - Posit: Chief Scientist

Nan Xiao - Merck: Principal Scientist

Gábor Csárdi R-HUB Project Lead

Dr. Robert Müller - Roche: Senior Data Scientist

Joseph Rickert - R-Consortium: Executive Director

Eric Milliman - Biogen : Data scientist, Global Analytics and Data Sciences

Yanina Bellini Saibene - R-Ladies

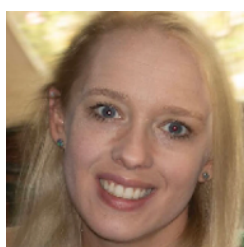Nicholas Masel - Johnson & Johnson: Associate Director Innovation Team Lead

Michael Helbraun - Microsoft: Principal Architect for Data & AI, Digital Transformation Partnership

Executive Leadership

Joseph Rickert - R-Consortium: Executive Director

Dr. Amanda Martin - R Consortium : Director of Program Management

Table 5: Board of Directors as of Dec 2023

Name	Organization	Position
Mehar Singh	ProCogia	Chair
Michael Lawrence	R Foundation	R Foundation Rep
David Smith	Microsoft	Treasurer
Vincent Shen	Genentech	Platinum Director
Allison Brailey	BioGen	Platinum Director
Henrik Bengtsson	R Foundation	ISC Chair
Jared Lander	Lander Analytics	Silver Director
Sumesh Kalappurakal	Janssen	Silver Director
Mike K Smith	Pfizer	Silver Director
Hadley Wickham	Posit	Platinum Director
Uday Preetham Palukuru	Merck and Co.	Silver Director

Table 6: Infrastructure Steering Committee as of Dec 2023

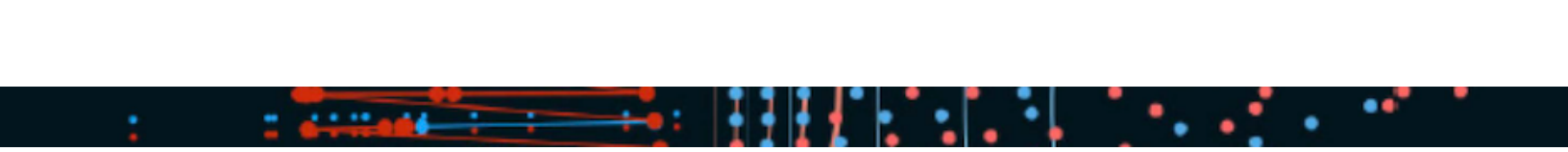| Name	Organization
Hadley Wickham	Posit
Henrik Bengtsson	R Foundation
Michael Helbraun	Microsoft
Gábor Csárdi	R Hub
Joseph Rickert	RUGS Representative
Eric Milliman	Biogen
Robert Müller	Roche
Yanina Bellini Saibene	R-Ladies
Nicholas Masel	Janssen
Nan Xiao	Merck

Appendix

RUGS Grants

Grant Number	RUGs Group	Amount Awarded	Country
23-RUGS-0-01	Warwick R User Group	680	UK
23-RUGS-0-02	Botswana R User Group	1,130	Botswana
23-RUGS-0-03	Grupo de Usuarios de R de Madrid	680	Spain
23-RUGS-0-04	RTP R User Group	680	USA
23-RUGS-0-05	Seoul R Meetup Group	680	South Korea
23-RUGS-0-06	Quixote R User Group	680	Spain
23-RUGS-0-07	Fulokoja R User Group	680	Nigeria
23-RUGS-0-08	Abuja R User Group	980	Nigeria
23-RUGS-0-09	Uyp R User Group	680	Nigeria
23-RUGS-0-10	Salt Lake City R Users Group	180	USA
23-RUGS-0-11	R-Ladies São Paulo	1,180	Brazil
23-RUGS-0-12	Zurich R User Group	930	Switzerland
23-RUGS-0-13	New York Open Statistical Programming Meetup	680	USA
23-RUGS-0-14	Meetup R Nantes	480	France
23-RUGS-0-15	R User Group Nepal	1,180	Nepal
23-RUGS-0-16	NSUK R User Group	430	Nigeria
23-RUGS-0-17	R Addicts Paris	680	France
23-RUGS-0-18	R User Group - Philippines	680	Philippines
23-RUGS-0-19	R-Ladies Morelia	460	México
23-RUGS-0-20	Yaba R User Group	680	Nigeria
23-RUGS-0-21	Ospoly Iree R User Group	530	Nigeria

RUGS Grants, Continued

Grant Number	RUGs Group	Amount Awarded	Country
23-RUGS-0-22	Apata-Ibadan R User Group	530	Nigeria
23-RUGS-0-23	R-Ladies Zürich	680	Switzerland
23-RUGS-0-24	Bay Area R Users Group	780	USA
23-RUGS-0-25	Manchester R User Group	500	UK
23-RUGS-0-26	Kano R User Group	530	Nigeria
23-RUGS-0-27	R en Rosario	380	Argentina
23-RUGS-0-28	Moffitt Cancer Center Bio-Data Club	680	USA
23-RUGS-0-29	R-Ladies Rome	680	Italy
23-RUGS-0-30	R-Ladies Paris	870	France
23-RUGS-0-31	Okuku R User Group	530	Nigeria
23-RUGS-0-32	Cleveland R User Group	380	USA
23-RUGS-0-33	Chiang Mai R User Group	660	Thailand
23-RUGS-0-34	New York Open Statistical Programming Meetup	1,180	USA
23-RUGS-0-35	Genève R User Group	180	Switzerland
23-RUGS-0-36	North East Data Scientist Meet Up	530	UK
23-RUGS-0-37	R - DRC Association	380	DR- Congo
23-RUGS-0-38	Bauchi R User Group	605	Nigeria
23-RUGS-0-39	SheffieldR User Group	480	UK
23-RUGS-0-40	RLadies Buenos Aires	680	Argentina
23-RUGS-0-41	Central Valley Data Analytics	430	USA

Grant Number	RUGs Group	Amount Awarded	Country
23-RUGS-0-42	San Carlos R User Group	380	Costa Rica
23-RUGS-0-43	R User Group Nepal	680	Nepal
23-RUGS-0-44	R-ladies Kumasi	430	Ghana
23-RUGS-0-45	The R User Group at Harvard	430	USA
23-RUGS-0-46	Oduduwa R User Group	180	Nigeria
23-RUGS-0-47	Ekiti R User Group	180	Nigeria
23-RUGS-0-48	Auchi R User Group	180	Nigeria
23-RUGS-0-49	Igbajo Poly R User Group	180	Nigeria
23-RUGS-0-50	Budapest Users of R Network	180	Hungary
23-RUGS-0-51	Pakistan R User Group	180	South Asia
23-RUGS-0-52	Dekut R Community	430	Kenya
23-RUGS-0-53	R User Group at The University of Manchester	680	UK
23-RUGS-0-54	GRUG - Gujarat R User Group	430	India
23-RUGS-0-55	R- Ladies Goiânia	430	Brazil
23-CONF-1-01	Rencontres R 2023	530	France
23-CONF-1-02	CSVconf.com 2023	1,000	USA
23-CONF-1-03	EuroBioC2023	1,000	Germany
23-CONF-1-04	Bay Area Biotech-Pharma Statistics Workshop	1,000	USA
23-CONF-1-05	ASA BIOP Software Engineering	1,000	USA
23-CONF-1-06	LatinR 2023	10,000	Uruguay
23-CONF-1-07	BioConductor 2023	2,000	Ireland
23-CONF-1-09	Joint Conference on Statistics and Data Science	500	China
23-CONF-1-10	R Que R	650	Spain
23-CONF-1-11	DataFest Tbilisi 2023	1,000	Georgia
23-SPEC-0-02	Applied Epi	7,910	USA
23-SPEC-0-01	R Project Sprint 2023	7,000	UK

The R Consortium is the mechanism for corporate entities and other organizations to support and engage with the R Community. Membership in the R Consortium signals community leadership, a long term viewpoint, and an appreciation for the efforts of R's open source contributors. Membership shows commitment and a desire to contribute to the community, strengthening it for the benefit of all.

Membership in the R Consortium supports the R Community by:

- Supporting the operations of the critical infrastructure that sustains the R ecosystem

- Funding open-source community-driven projects that widely impact the R Community

- Providing opportunities to form working relationships that transcend company affiliations

- Enabling better identification and recruitment of data scientists working in R

- Convening thought leadership events, summits, and panels among subject matter experts to discuss technology, standards, specifications, best practices, and collaboration.

- Funding key R infrastructure such as the R-Hub build system, database interfaces, distributed computing architecture, regional conferences, local R user groups and more.

- Providing a way for companies to generate industry-wide support for projects that they see as valuable.

- Providing insight and access to accurate and up-to-date knowledge about important developments in the the R Community and the extended R ecosystem.

Through participation in the R Consortium Infrastructure Steering Committee (ISC), members have a voice in the process of selecting projects and the opportunity to guide their development.

Learn More