



EG-ABI TOOLS FOR SOUTHERN OCEAN SPATIAL ANALYSIS AND MODELLING - COURSE

2-6 September 2019





ARTICLE III-1 C FROM THE
ANTARCTIC TREATY
(1959)

- **1. In order to promote international cooperation in scientific investigation in Antarctica, as provided for in Article II of the present treaty, the Contracting Parties agree that, to the greatest extent feasible and practicable:**
 - (c) **scientific observations and results from Antarctica shall be exchanged and made freely available.**

SCAR

- Initiating
- Developing
- Coordinating
- high quality international scientific research
- Antarctic
- Southern Ocean



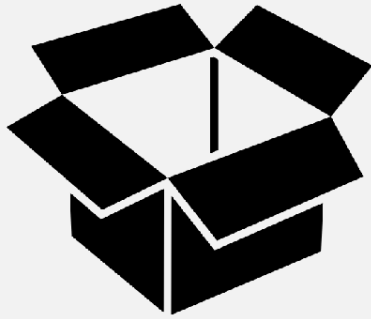


EG-ABI

- Biodiversity informatics
 - Management
 - Presentation
 - Discovery
 - Exploration
 - Analysis
- Various products and projects

ROPENSCI

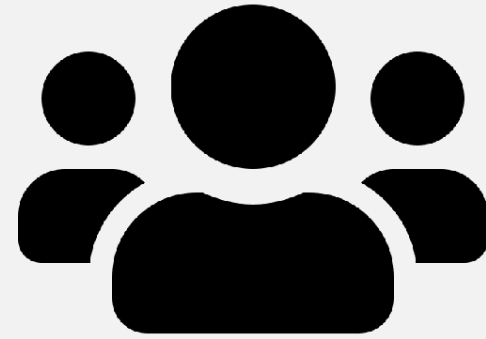
technical & social infrastructure



Software



Peer review



Community

ROPENSCI BY THE NUMBERS

5 staff

8 software peer review editors

2 Bioconductor pkgs

192 CRAN pkgs

287 total pkgs

~ 500 code contributors

> 500 citations

LOTS! of community members

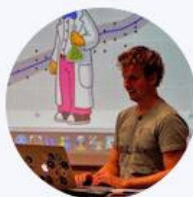
1 awesome open system for peer review of software



Karthik Ram



Scott Chamberlain



Jeroen Ooms



Stefanie Butland


















Maëlle Salmon

ROPENSCI.ORG/PACKAGES/

FILTERS

☐ All☐ Altmetrics☐ Data Publication☐ Tools☐ Visualization☐ Databases☐ Geospatial☐ Web☐ Images Processing☐ Literature☐ Computing Infrastructure☐ Security☐ Taxonomy☐ CRAN / BIOC available☒ Active repos

	NAME	MAINTAINER	DESCRIPTION		DETAILS
	monkeylearn	Maëlle Salmon	Accesses the Monkeylearn API for Text Classifiers and Extractors		
	opencage	Maëlle Salmon	Interface to the OpenCage API		
	riem	Maëlle Salmon	Accesses Weather Data from the Iowa Environment Mesonet		
	ropenaq	Maëlle Salmon	Accesses Air Quality Data from the Open Data Platform OpenAQ		
	rtimicropem	Maëlle Salmon	Supports the Analysis of RTI MicroPEM Output Files		

4 OF 6 NEW MAINTAINERS ARE WOMEN!

- [RSelenium](#): now maintained by Ju Kim
- [chromer](#): now maintained by Paula Andrea
- [qualtRics](#): now maintained by Julia Silge
- [rsnps](#): now maintained by Julia Gustavsen and Sina Rüeger
- [rdpla](#): now maintained by Alyssa Columbus
- [webchem](#): now maintained by Erik Sapper

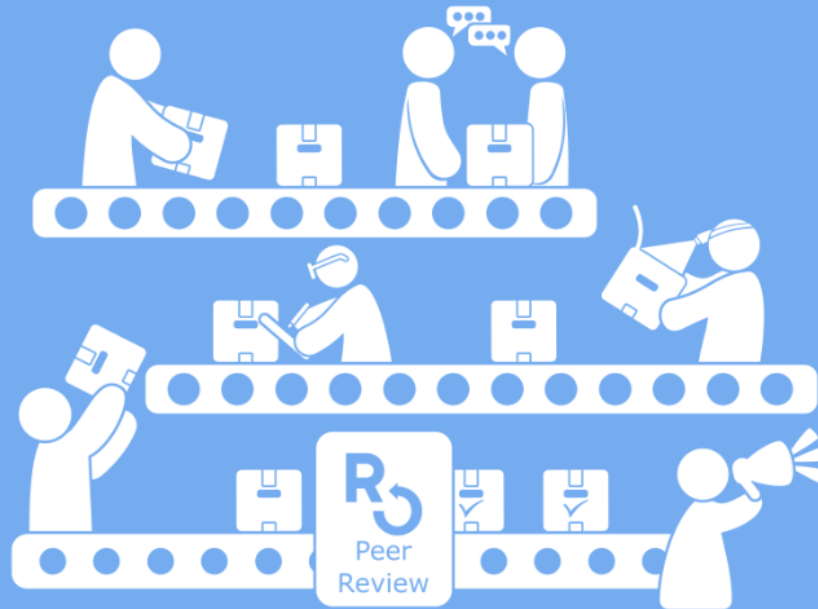


- academic peer review of research publications?

devguide.ropensci.org

rOpenSci Packages

*Development, Maintenance,
and Peer Review*



Review for us: ropensci.org/onboarding

“As a user, you are qualified as a potential package reviewer if you have some appreciation for what makes your favourite packages useful”

- Miles McBain

<https://ropensci.org/blog/2018/04/06/peer-review-value/>

Our community is our best asset

We are building a welcoming and diverse global community of software users and developers from a range of research domains. We aim to build capacity of novices, experts, and the “nexperts” in between. We welcome participation and civil conversations that adhere to our [code of conduct](#). There are many ways to get involved.

Follow us on [Twitter](#). **Read** [our blog](#) to learn about our software packages, best practices, events and the people who make up our community, or read our [Contributing Guide](#) to learn how you can contribute to rOpenSci as a user or developer. **Subscribe** to [rOpenSci News](#) to get [semi-monthly updates](#) on our activities sent to your inbox.

Ask and answer #rstats questions on our [discussion forum](#), on [Stackoverflow](#), or [Twitter](#). **Attend** our [Community Calls](#) to hear about best practices, Q & As with well known developers, and to learn more about rOpenSci developments. These are free and open for anyone to attend and provide an opportunity to connect with rOpenSci community members around the world.

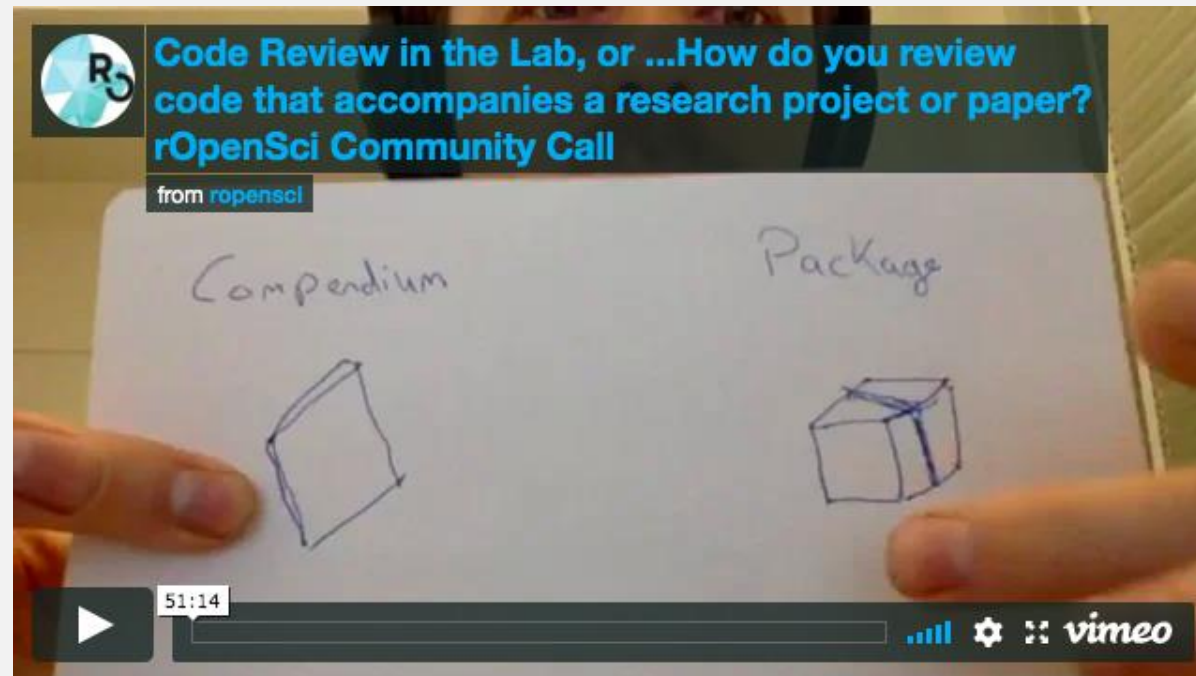
Use [our software](#). **Improve** package [documentation or code](#). **Review** [a package](#). **Submit** your package for [open software peer review](#). **Apply** to participate in our [annual unconference](#).



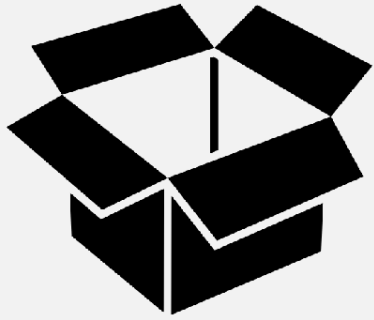
ROPENSCI.ORG/COMMUNITY/

CODE REVIEW IN THE LAB?

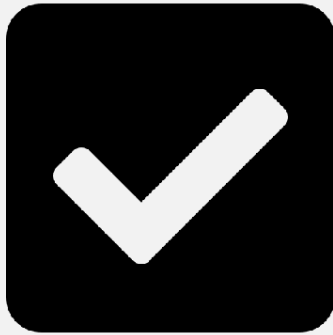
Community Call video, discussion, summary



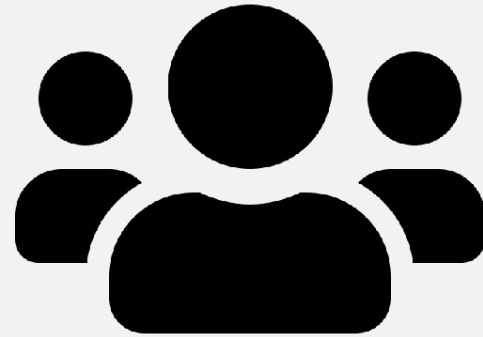
[HTTPS://ROPENSCI.ORG/](https://ropensci.org/)



[/packages](#)



[/software-review](#)



[/community](#)

9:00		Start
10:00	10:15	Coffee Break
11:15	11:30	Break
12:30	13:00	Lunch
14:00	14:15	Coffee Break
15:15	15:30	Break
17:30		End

GENERAL SCHEDULE

THINGS YOU SHOULD HAVE

bring

their own personal laptop
Headphones



install

R <https://cran.r-project.org>

Rstudio <https://www.rstudio.com>

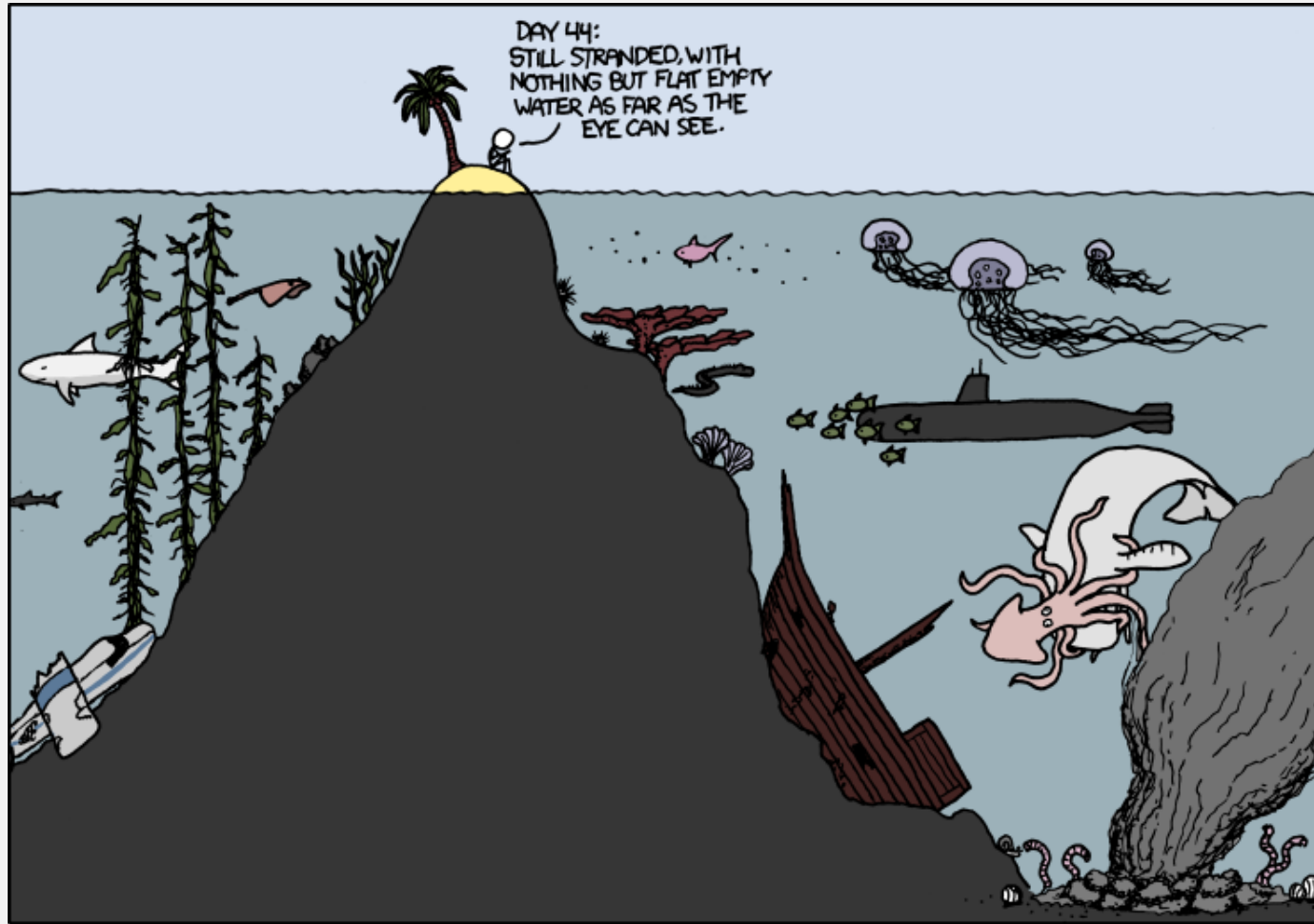
• *Optional*

• QGIS <https://www.qgis.org/en/site/>

• Quantarctica <http://quantarctica.npolar.no>

WIFI

- Eduroam
- Login that is attached



LET'S INTRODUCE OURSELVES