

# R Project Sprint 2023

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October 31, 2023

# R Project Sprint 2023

University of Warwick, Aug 30–Sept 1st 2023



48 in person (not all pictured), 7 online.

# Who came?

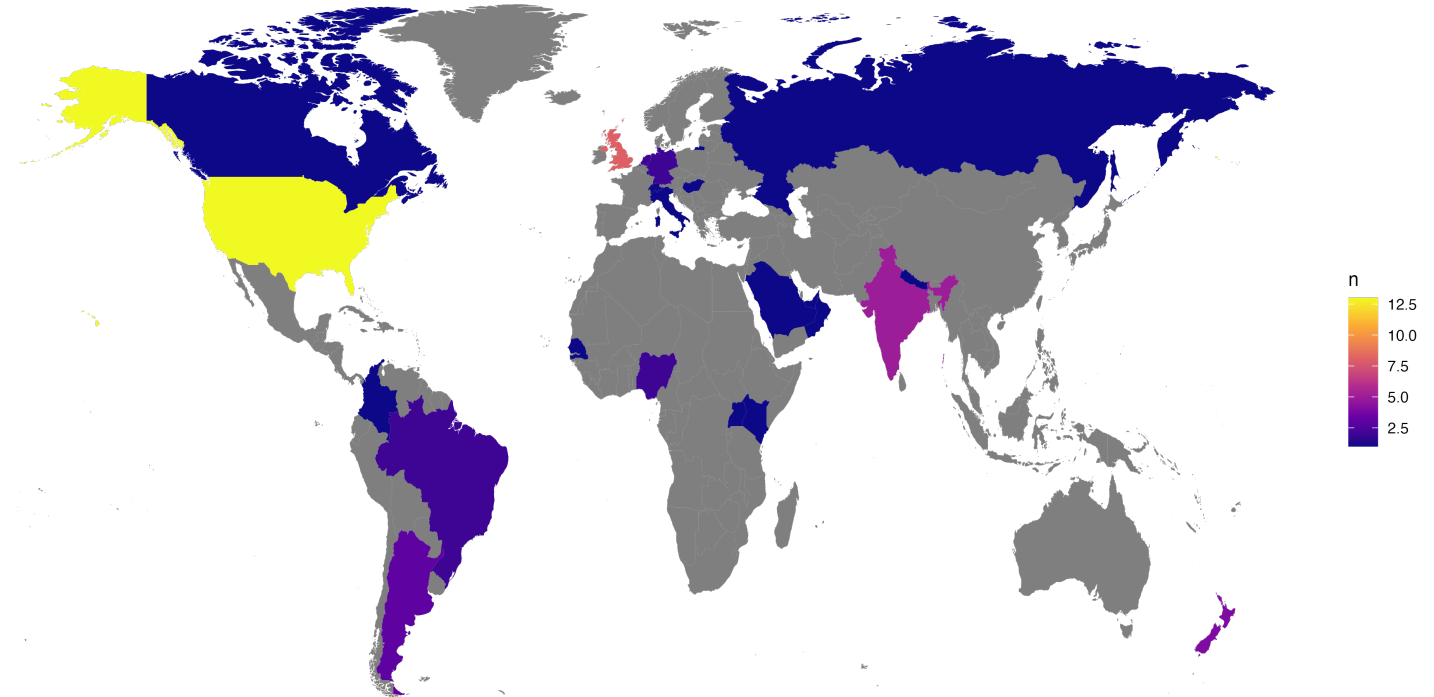
11 R Core

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13 Invited

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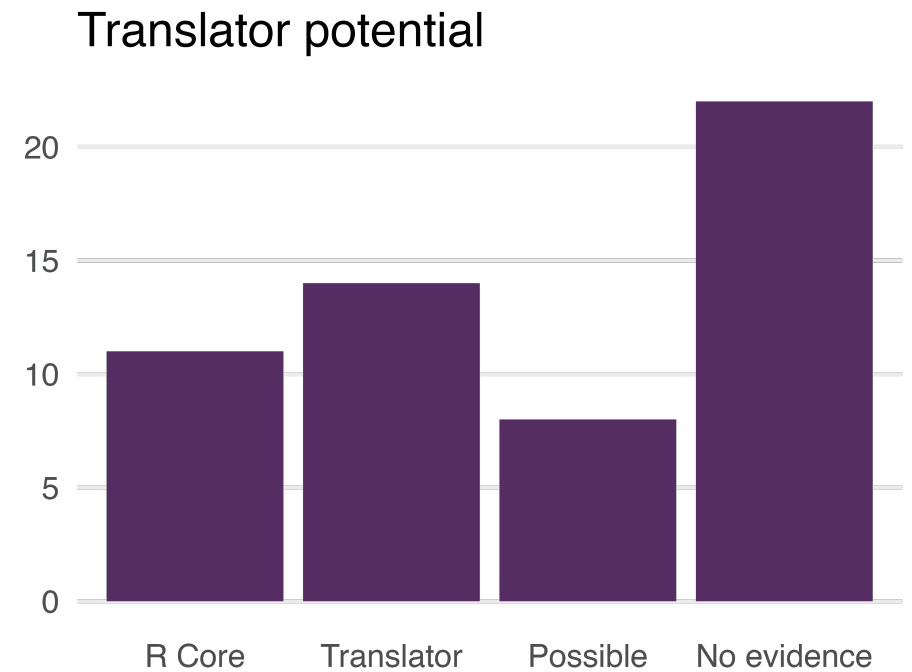
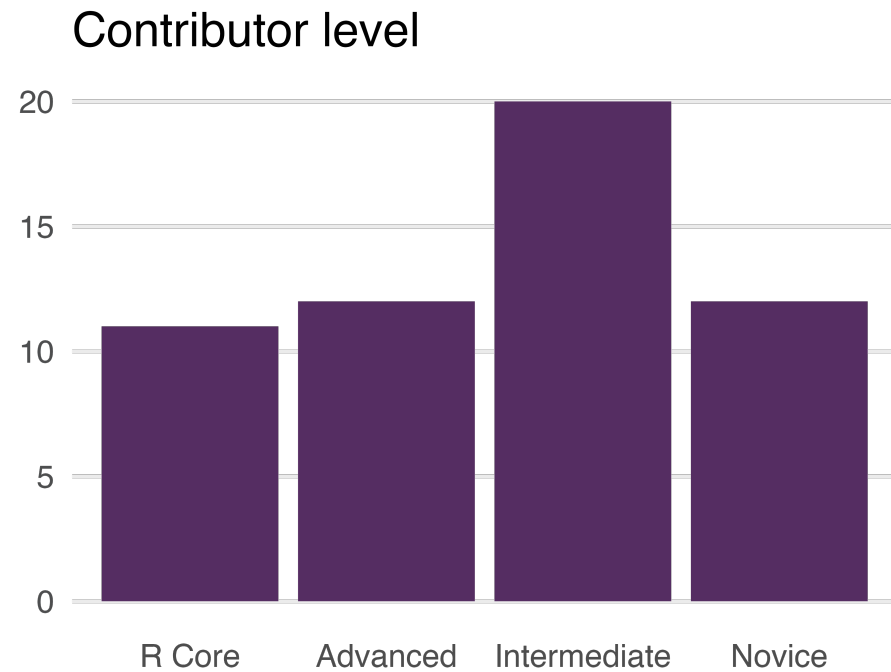
31 Selected



25/40 non core developers self-identified from underrepresented groups

# Skills coming in

As assessed by the selection committee



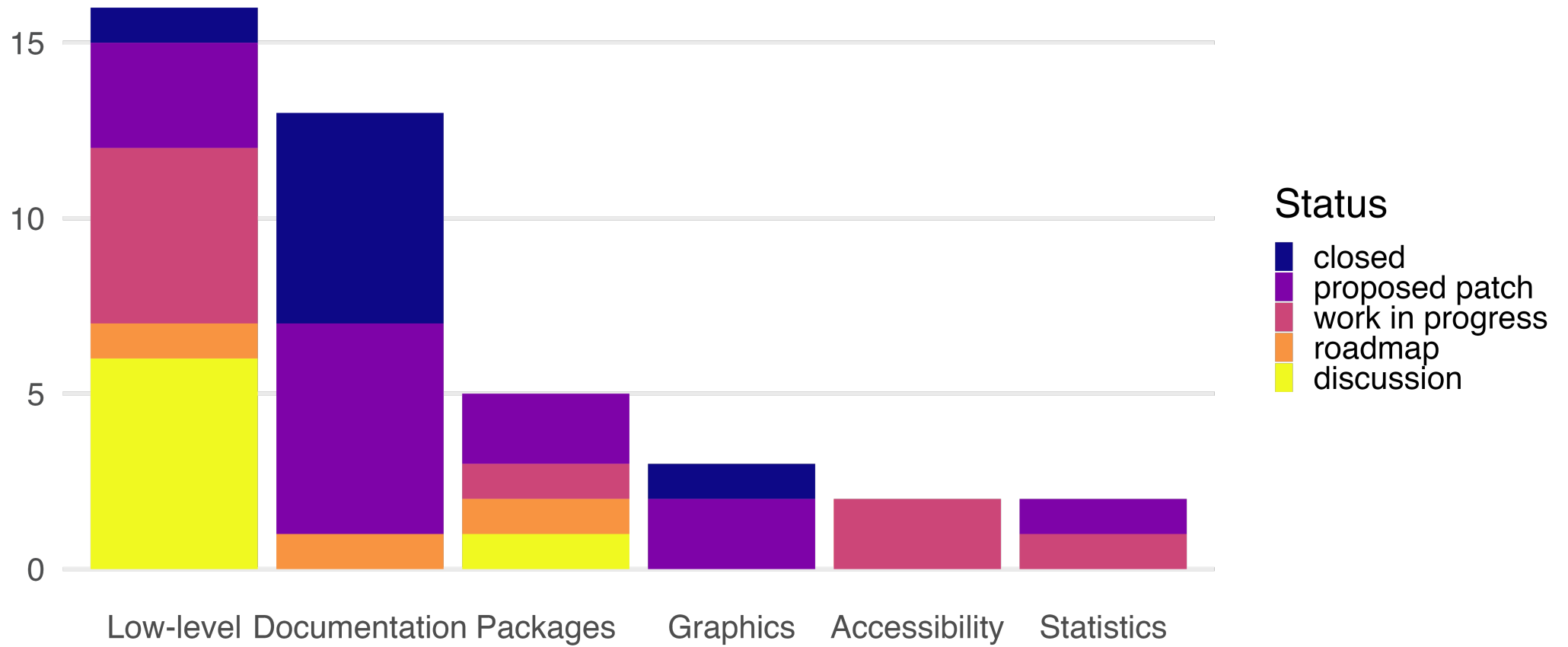
# Activities

- **Translation:** Weblate server admin, documentation, message translation
- **Documentation:** triaging and working on bug reports
- **Bug fixes/new functionality:**
  - **Accessibility**, e.g. logging base graphics
  - **Low-level**, e.g. rng overhead optimization
  - **Packages**, e.g. improving messages sent to CRAN maintainers
  - **Statistics**, e.g. enhancing sample.int for unequal probability sampling
  - **Graphics**, see later!

# Translation

- ~2000 new/updated messages translations across 14 languages
- New components for translation added to Weblate
- New guidelines for translators

# Bugs



# Case study: 3-colour hex enhancement



# Background

The idea: <https://fosstodon.org/@coolbutuseless/110972696890598490>

The discussion: <https://github.com/r-devel/r-project-sprint-2023/discussions/73>

The issue: <https://github.com/r-devel/r-project-sprint-2023/issues/74>

The dev container: <https://github.com/r-devel/r-dev-env>

# Result

The commit: <https://github.com/wch/r-source/commit/0cad8c3fa75f402db464cbfde93284106a12a69f> - Note the number of files that needed changing, even for something so simple.

(The main fix: <https://github.com/wch/r-source/blob/0cad8c3fa75f402db464cbfde93284106a12a69f/src/library/grDevices/src/colors.c#L1349>)

The announcement: [https://fosstodon.org/@R\\_devs\\_news/110994148164062699](https://fosstodon.org/@R_devs_news/110994148164062699) <https://developer.r-project.org/blosxom.cgi/R-devel/NEWS/2023/09/01#n2023-09-01>



## The R Foundation

