

DEPARTEMENT FINANZEN UND RESSOURCEN



Knowledge-Management & the latest steps of the R-Transformation at Statistik Aargau

May 31, 2022

adminR - Spring Meetup

Jan Wunder, Niklas Haffert, Tina Cornioley (STAAG)

History

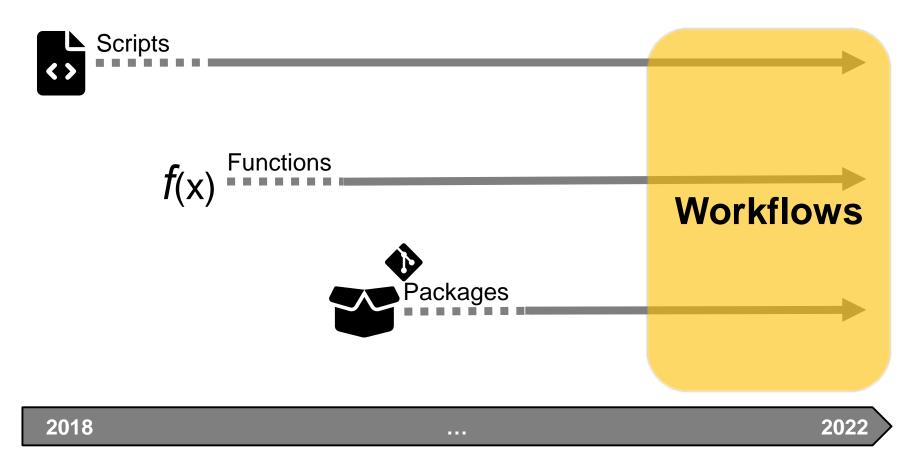






2018 ... 2022

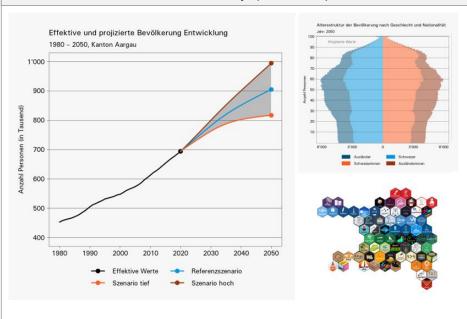
History



Development cores ("Entwicklungsschwerpunkte")

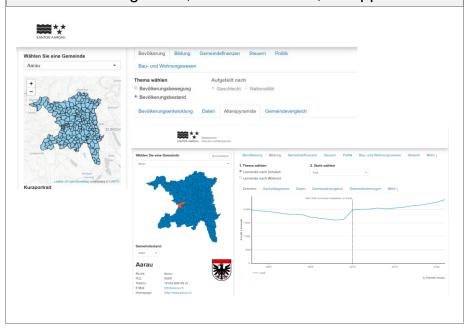
Kantonales Datenanalyse-Center (2021-2024)

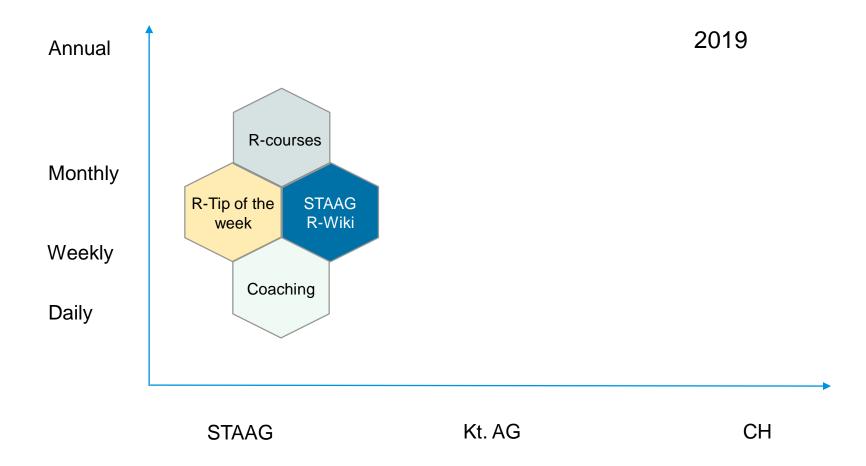
Jan Wunder, Tina Cornioley (bis 2022), Niklas Haffert

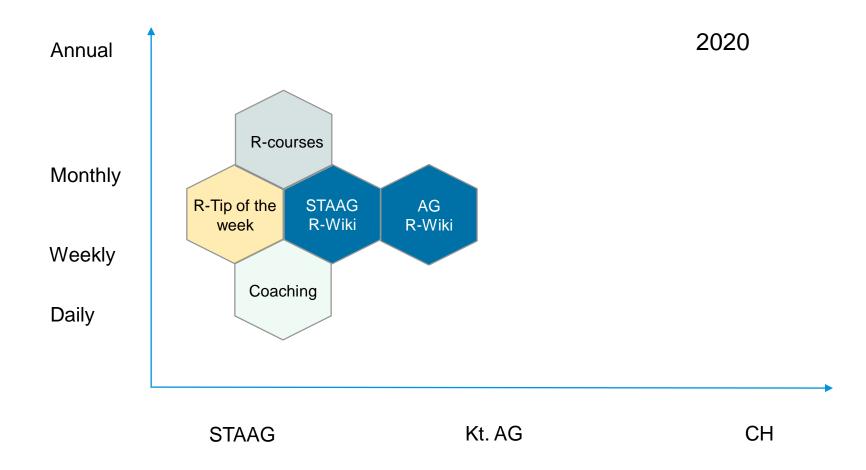


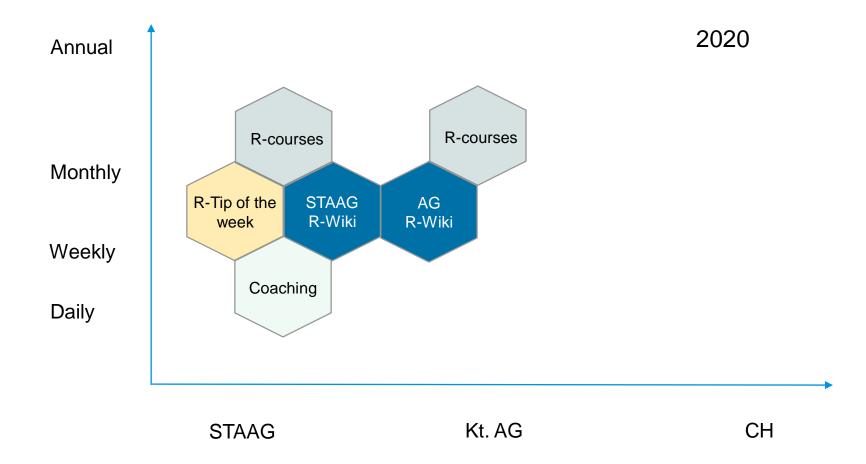
Smarter Datenbezug (2021-2024)

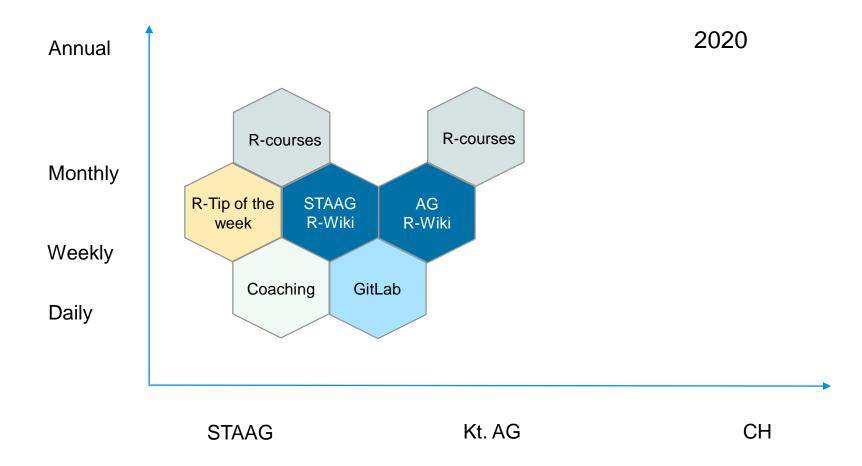
Karin Wohlgemuth, Nelson Stevens, Philipp Imhof

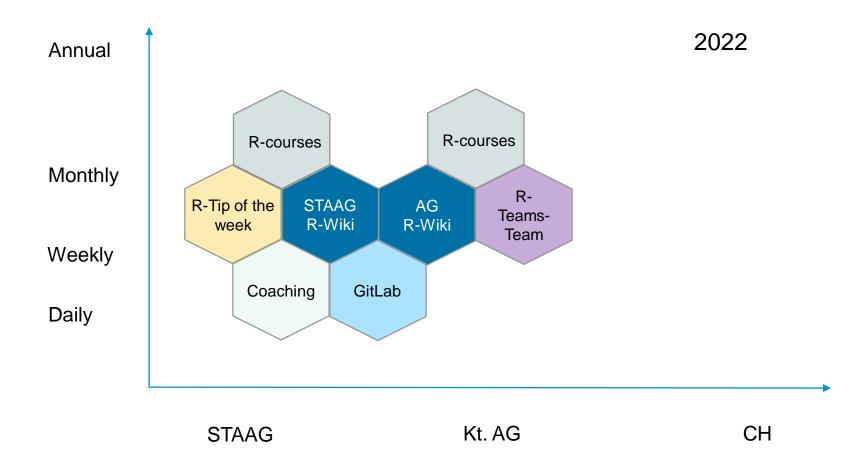


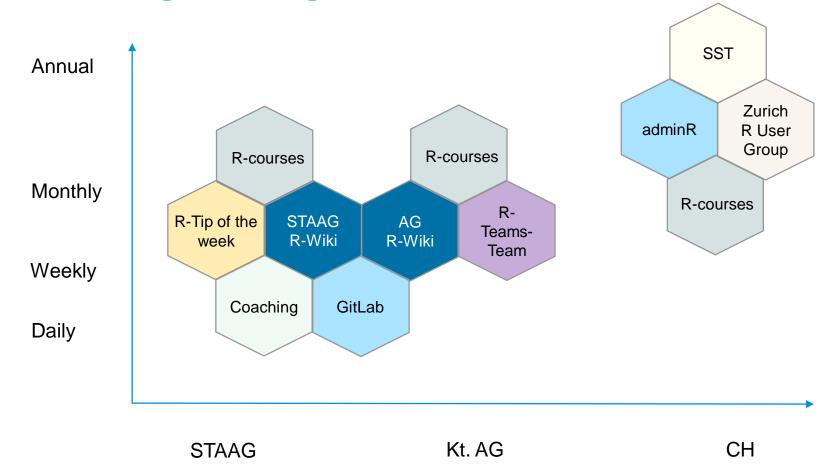


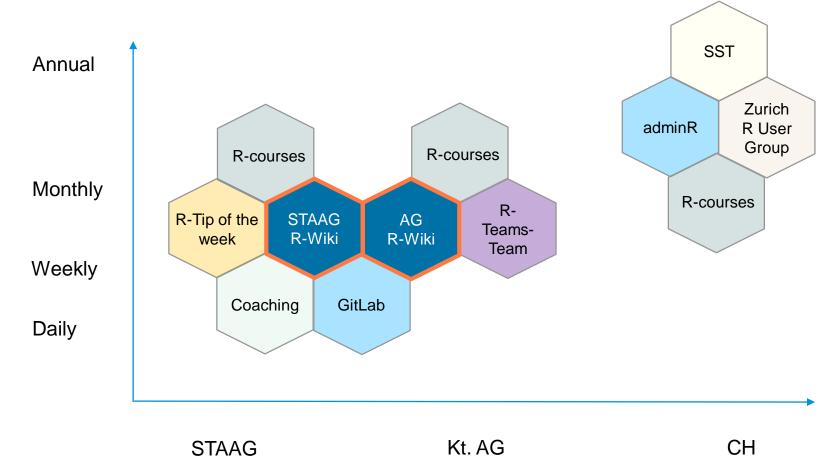




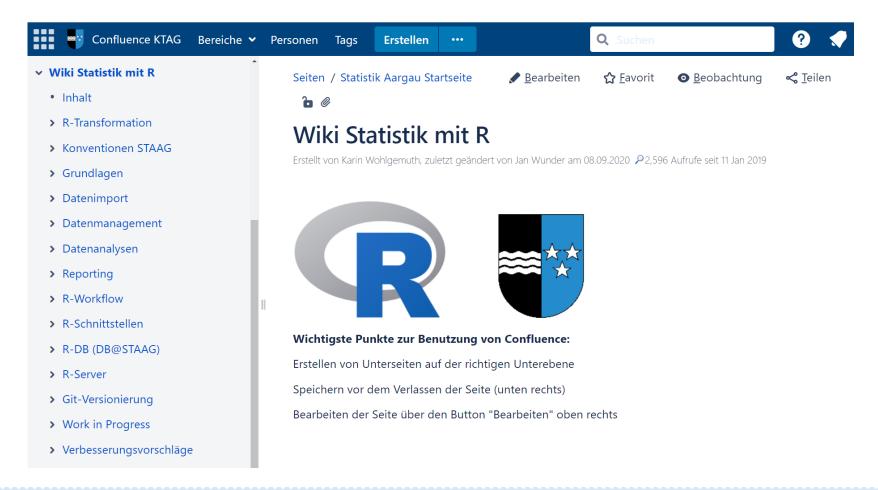








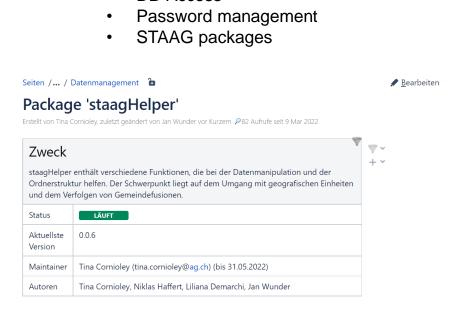
Knowledge management: R Wikis



Knowledge management: R Wikis

Wiki Statistik Aargau

- Conventions
- DB-Access



Knowledge management: R Wikis

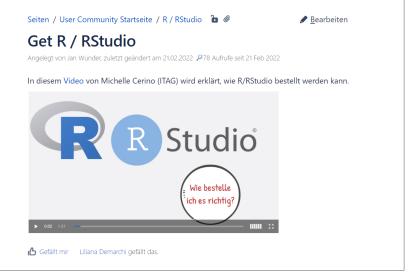
Wiki Statistik Aargau

- Conventions
- DB-Access
- Password management
- STAAG packages



Wiki Kanton Aargau

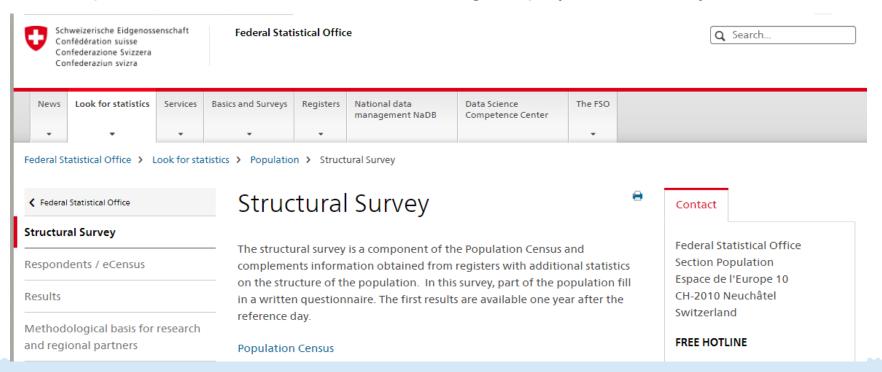
- General help
- Tips & Tricks
- (Internal) education
- How to get R / RStudio



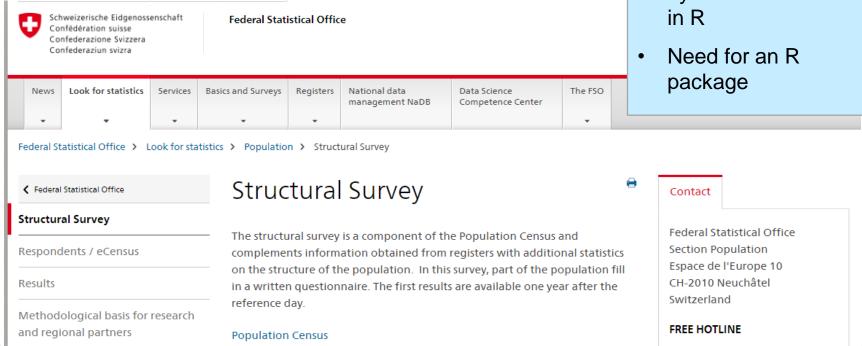
Survey of ~ 200,000 people living in Switzerland

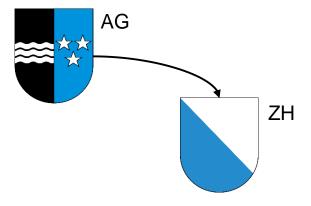
Structural Survey | Federal Statistical Office (admin.ch)

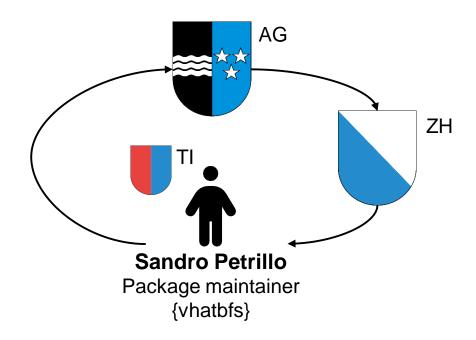
- Results from FSO + statistics by cantons
- Population, households, families, housing, employment, mobility, education, ...

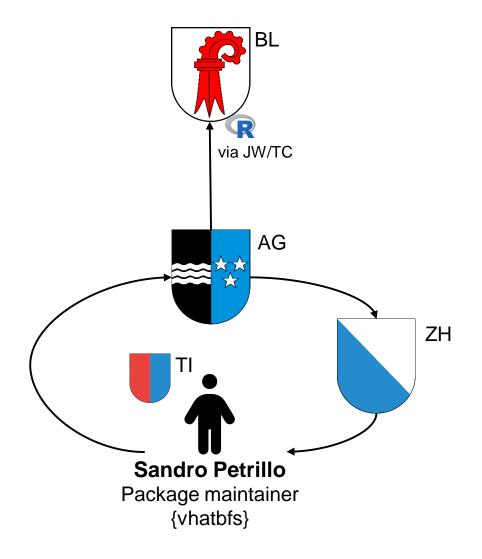


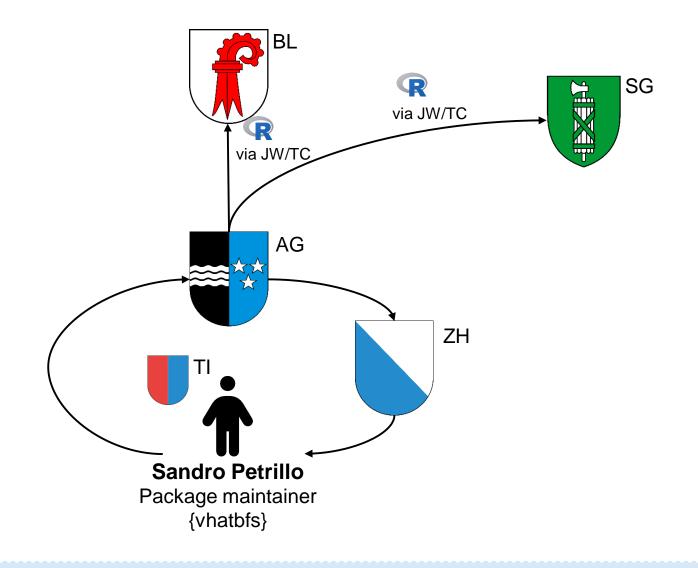
- Survey of ~ 200,000 people living in Switzerland
- Results from FSO + statistics by cantons
- Population, households, families, housing, employment,
- Special variance estimation by the FSO
 - Implemented in SAS by the FSO - but not in R

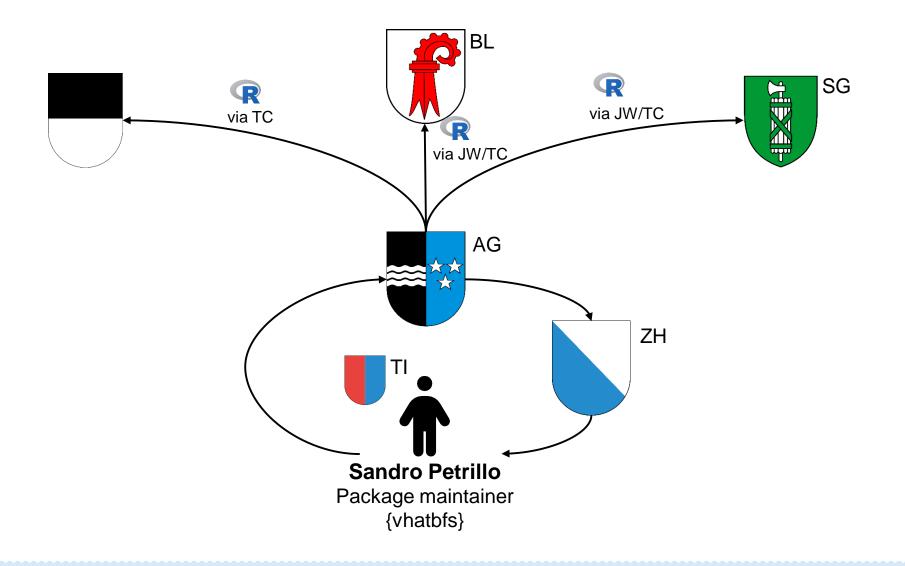


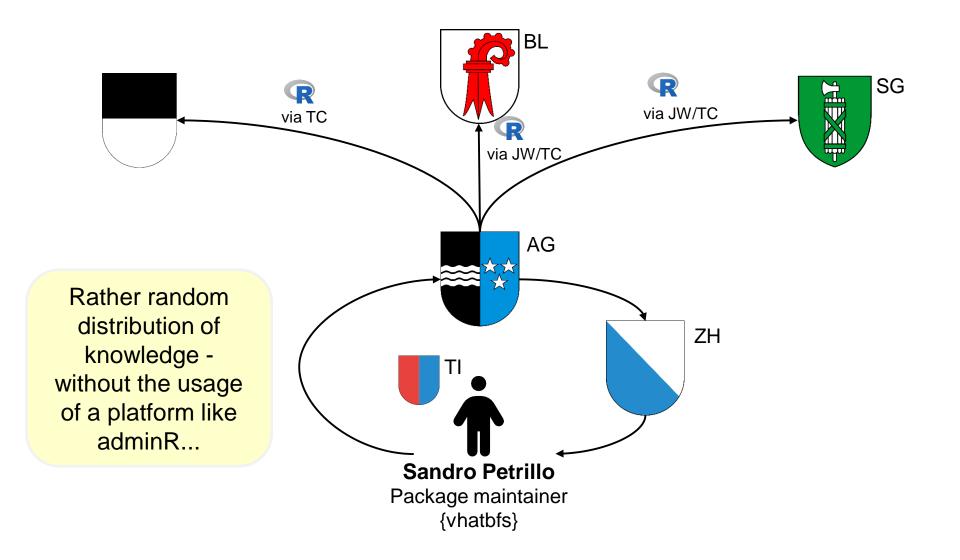




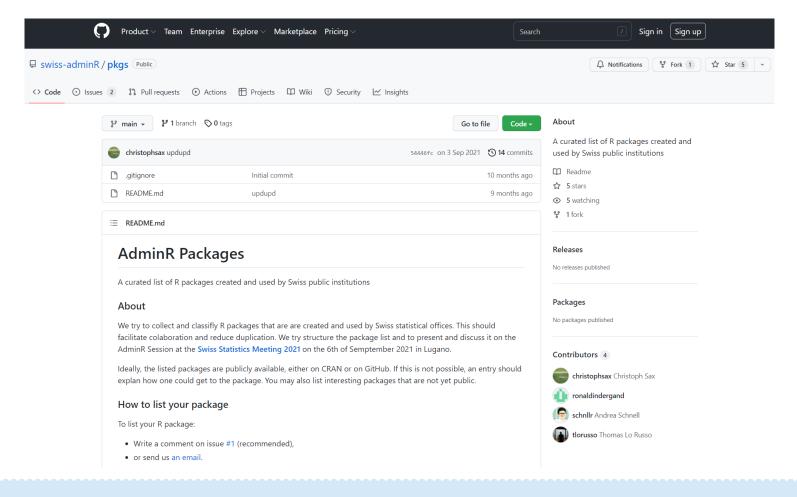








AdminR Packages (GitHub)



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AdminR Packages (GitHub)



A curated list of R packages created and used by Swiss public institutions



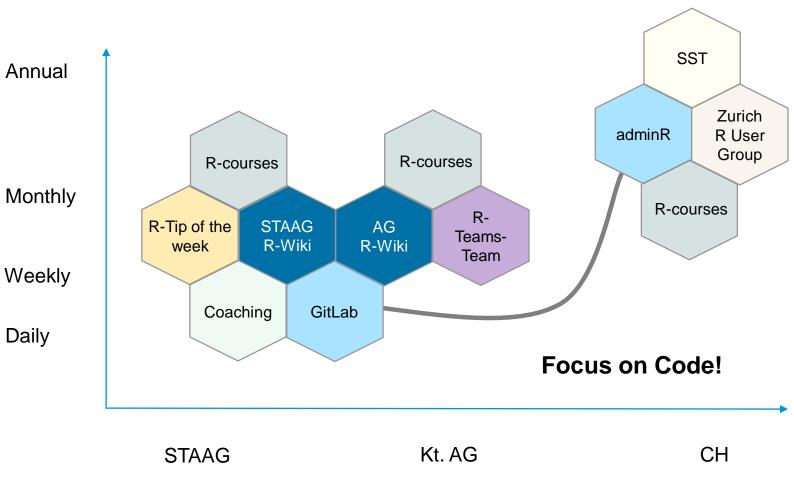
This platform is currently "sleeping" – it would be great to bring it back to life and enhance it!

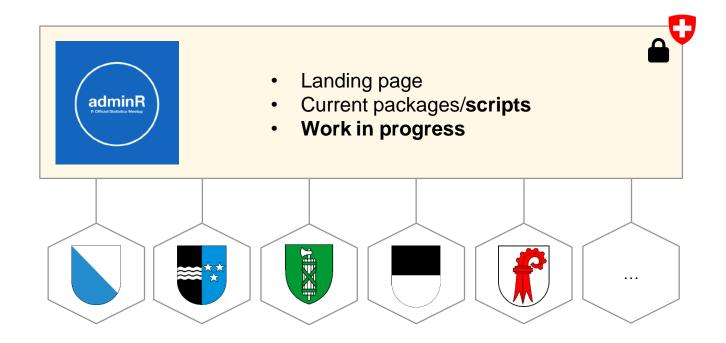
- Sharing code and packages (also not publication ready)
- Sharing ideas & planned work
- English as language (inclusiveness)
- Not public / restricted access

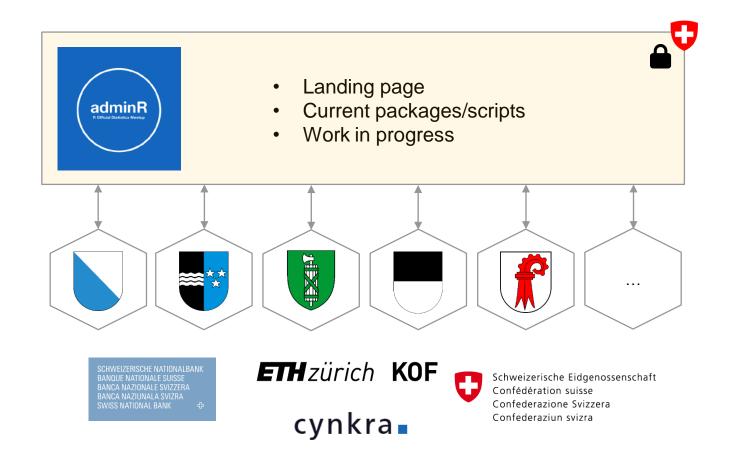
• ...

Important:
Low entry
threshold for
exchange of
knowledge









Possible package structure:

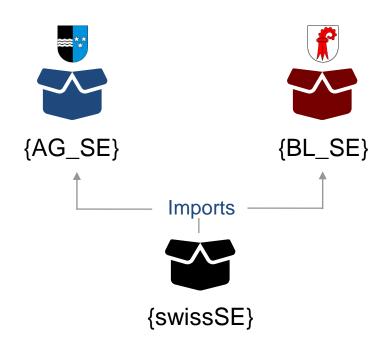
Specific packages

- -Maintainer
- -Authors



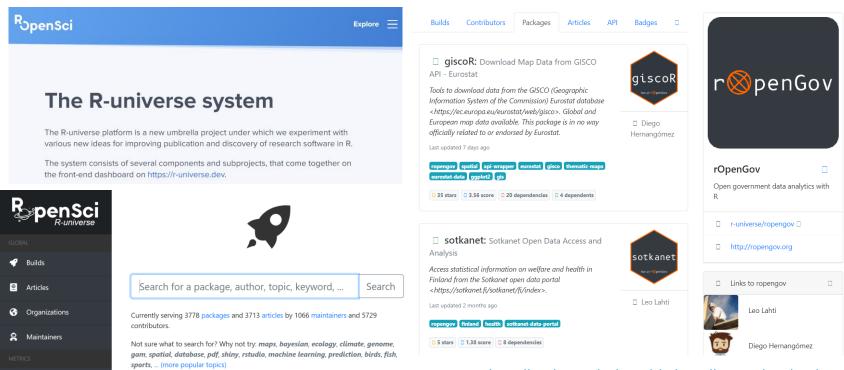
Generic package

- -Maintainer
- -Authors



SE...Structural Survey (FSO)

...building a new universe!



https://r-universe.dev/search/ https://ropensci.org/r-universe/

Thank you!

Vielen Dank!

Merci beaucoup!

Team Statistik Aargau, insbesondere:

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Kanton Tessin
Sandro Petrillo

Kanton Zürich
Andrea Schnell