

How a Survey helps to get Feedback and Interest.

On the Example of Elektra

Fosdem 2018

Community devroom

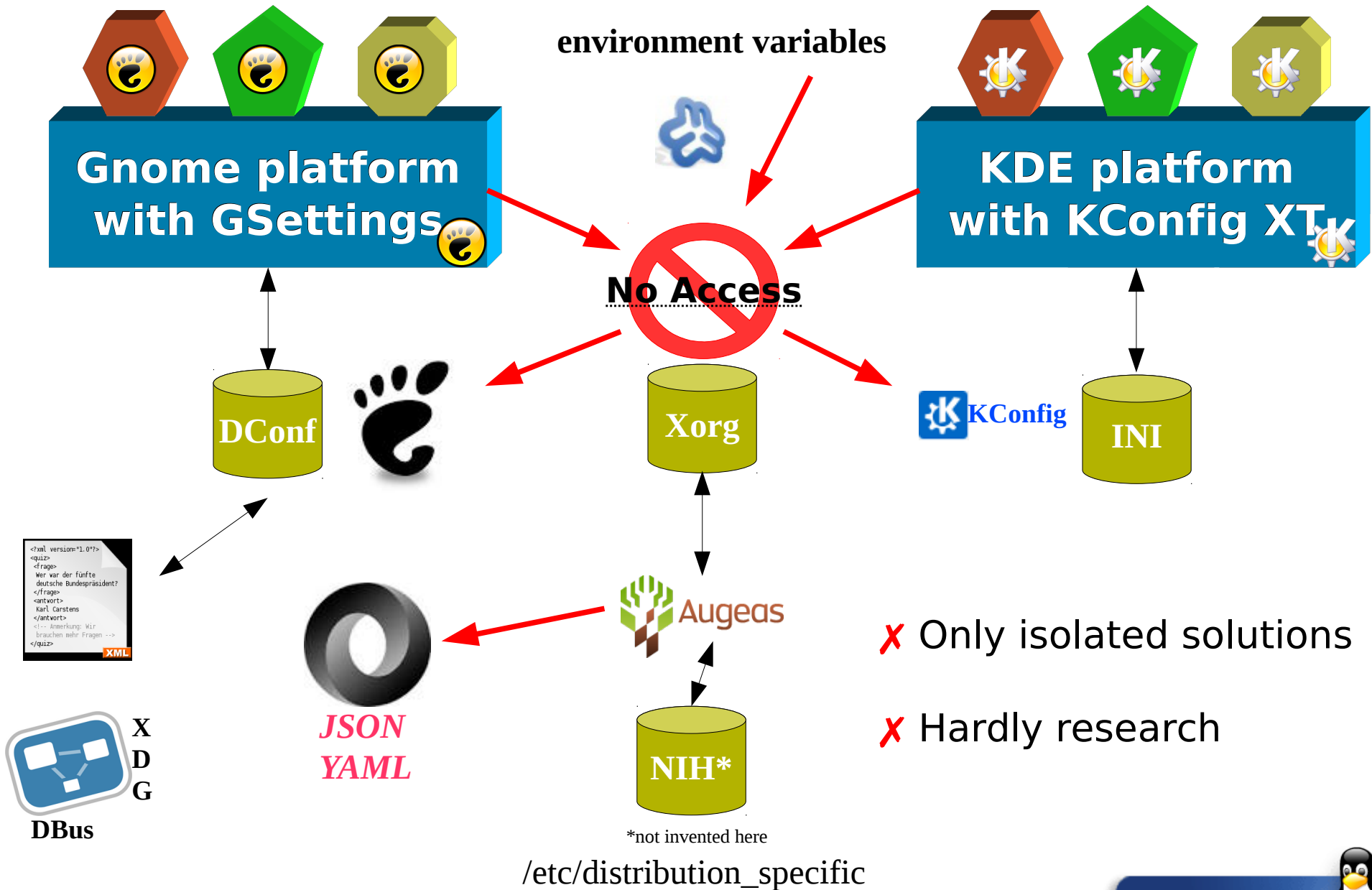
Markus Raab <elektra@markus-raab.org>

xmpp: [jabber@markus-raab.org](xmpp:jabber@markus-raab.org)

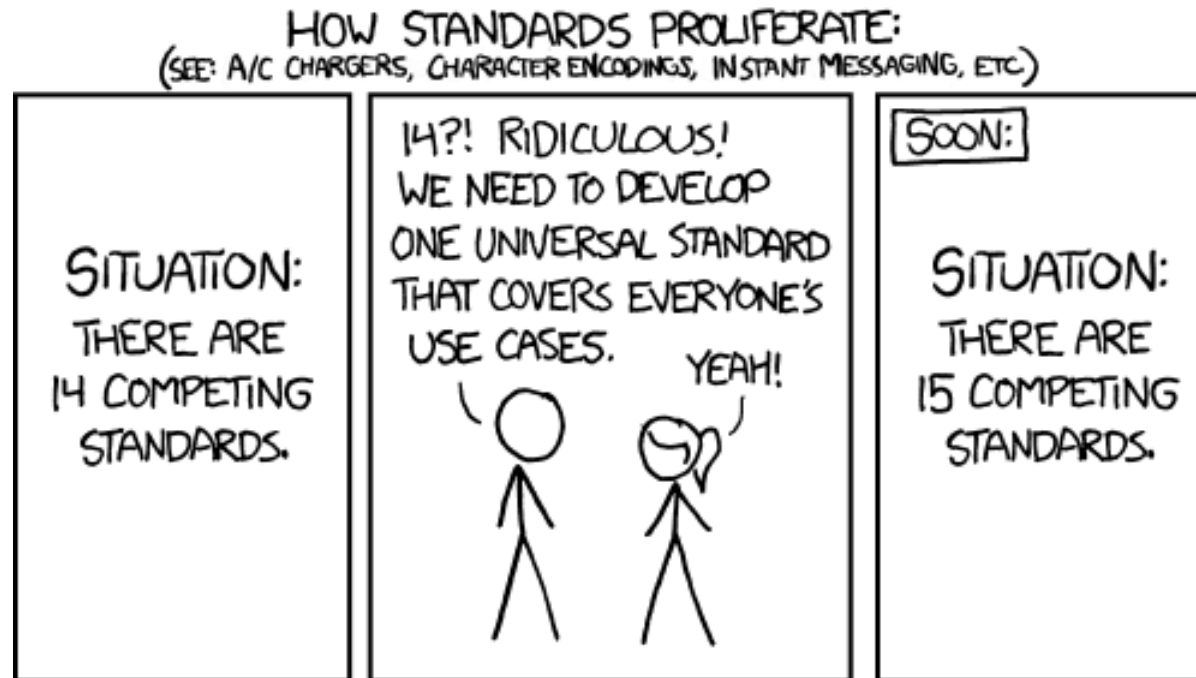
<http://www.libelektra.org>



Context



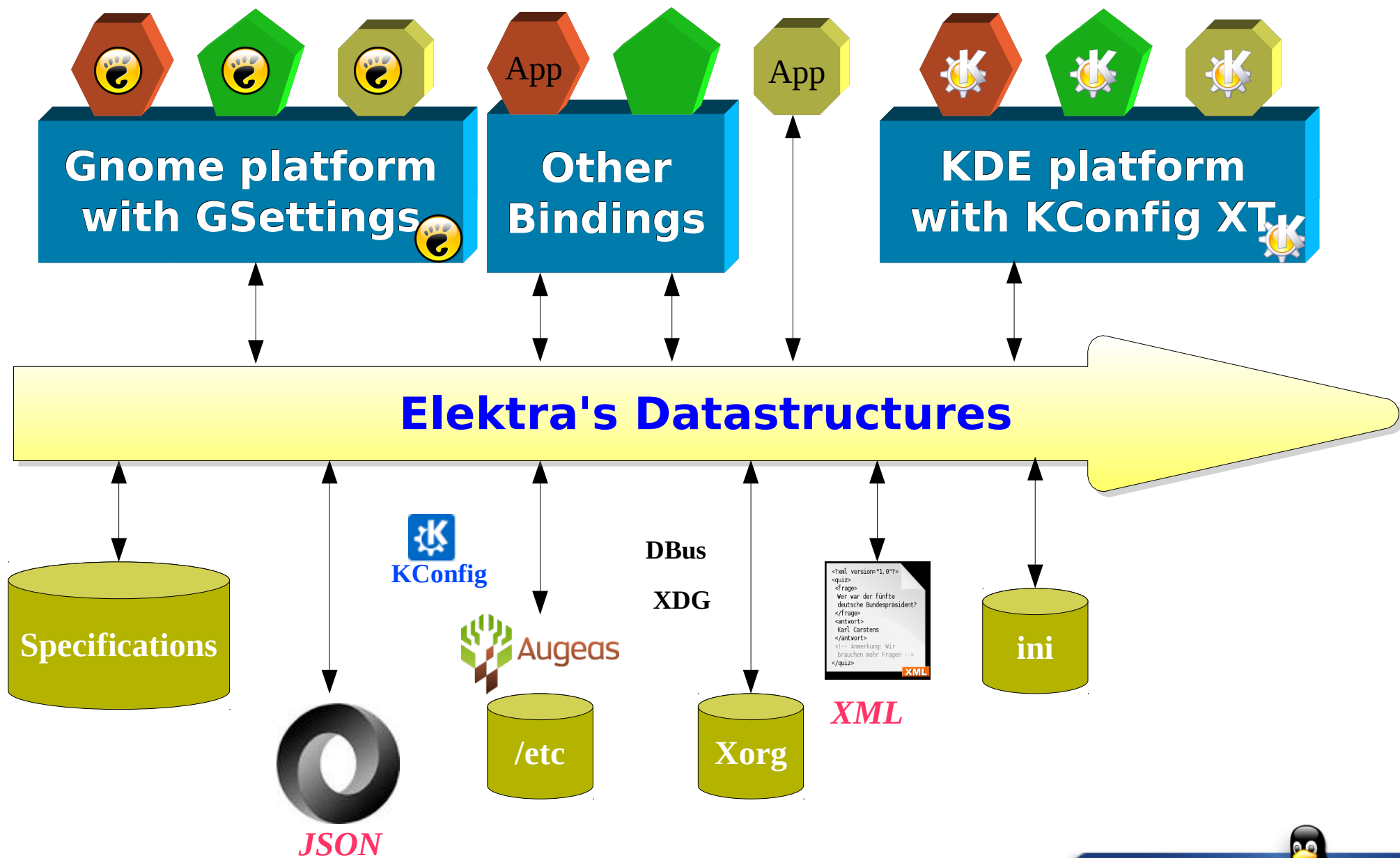
How to (not) change the situation?



(Thanks to xkcd.com)



Goal



Survey

- *Targeting FLOSS*
 - FLOSS Developers
 - Using Configuration APIs
- *Done with FLOSS*
 - LimeSurvey 2.50+
 - R/ggplot
- *Pilotsurveys*
 - necessary
 - but time-consuming



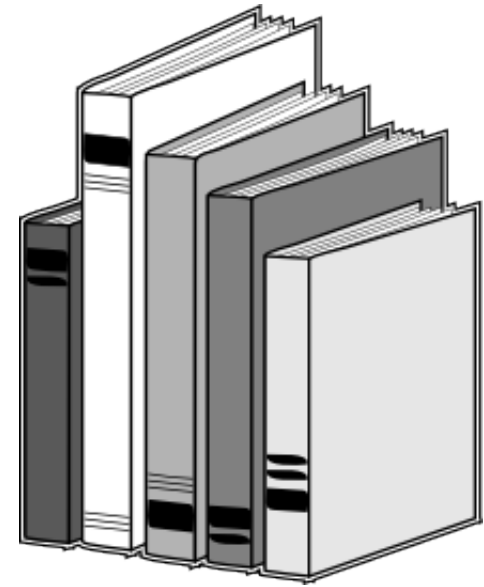
How to attract FLOSS Developers?

- *Massive Advertisement*
 - Wrote about it twice in all their Channels (IRC, Forums, Mailinglists,...)
- *Give them Benefits*
 - Donate to their projects
 - On completion
 - On conditions (entered email)
- *Design the Study really well*
 - User Experience
 - Responsive (Small Devices,...)
- *Make the rawdata freely available*



What we did

- *Online Questionnaire*
 - 672 persons visited the survey
 - 286 gave answers
 - 162 completed



Target Group

- *Understand their needs*
 - (we looked at their 50 million LOC)
- *Case Studies/Interviews before*
- *Target your Customers*

application	version	application	version
Oad	0.0.17	Gimp	2.8.14
Akonadi	1.13.0	Inkscape	0.48.5
Chromium	45.0.2454.85	Ipe	7.1.4
Curl	7.38.0	Libreoffice	4.3.3
Eclipse	3.8.1	Lynx	2.8.9dev1
Evolution	3.12.9	Man	2.7.0.2
Firefox	38.3.0esr	Smplayer	14.9.0 ds0
Gcc	4.9.2	Wget	1.16





Results

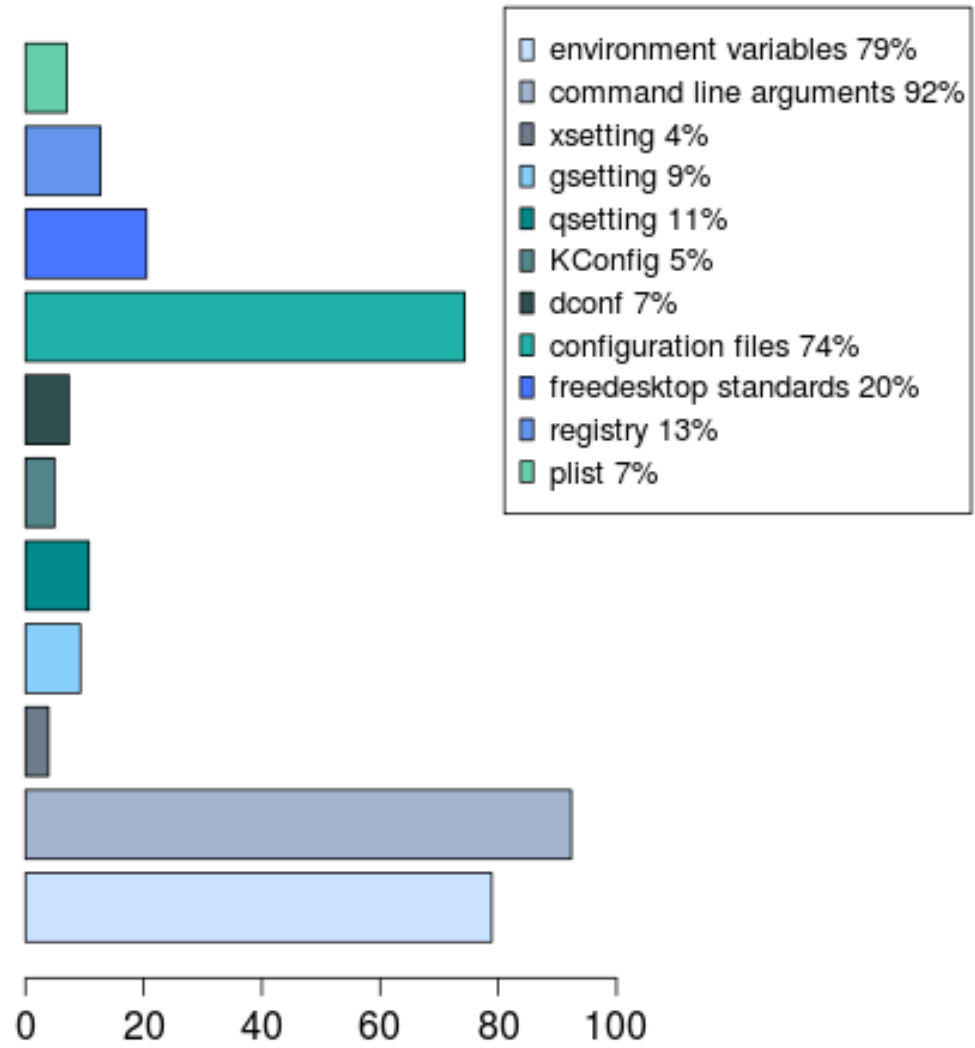
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And the Winners are...

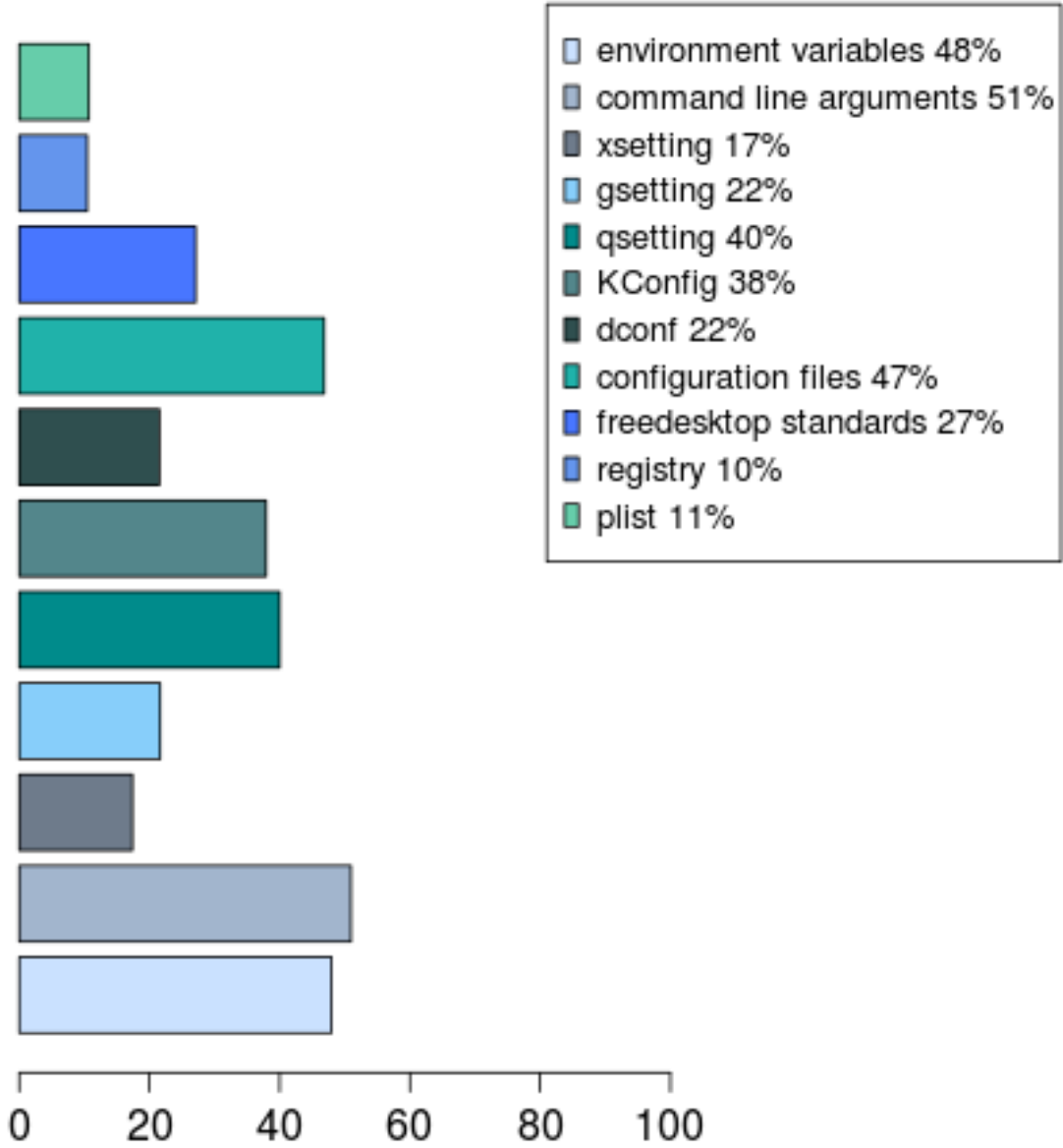
- *command-line arguments*
- *environment variables*
- *configuration files*



Satisfaction



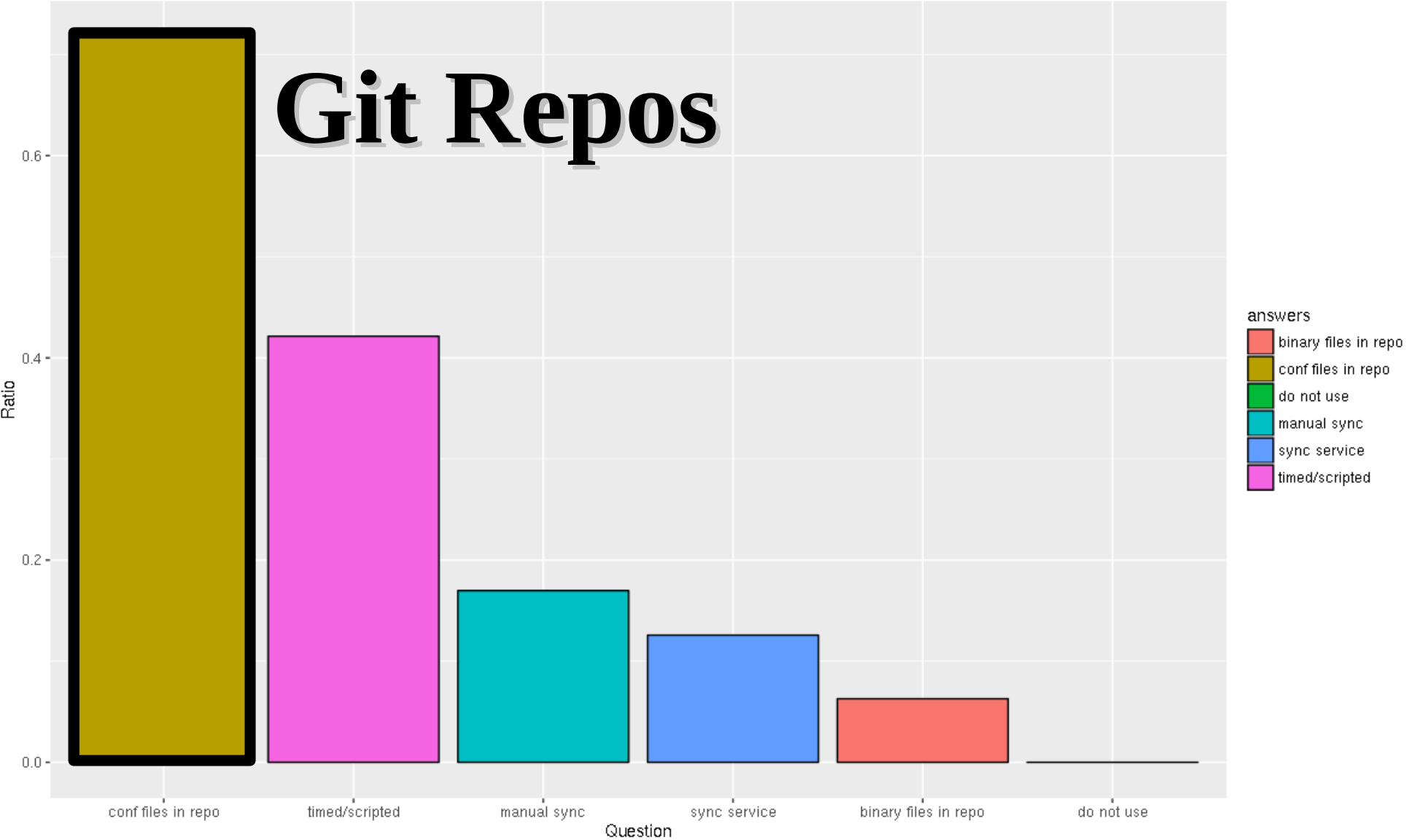
➤ *similar to popularity*



How to backup?

What is your preferred way to backup, sync or share configurations?

Git Repos



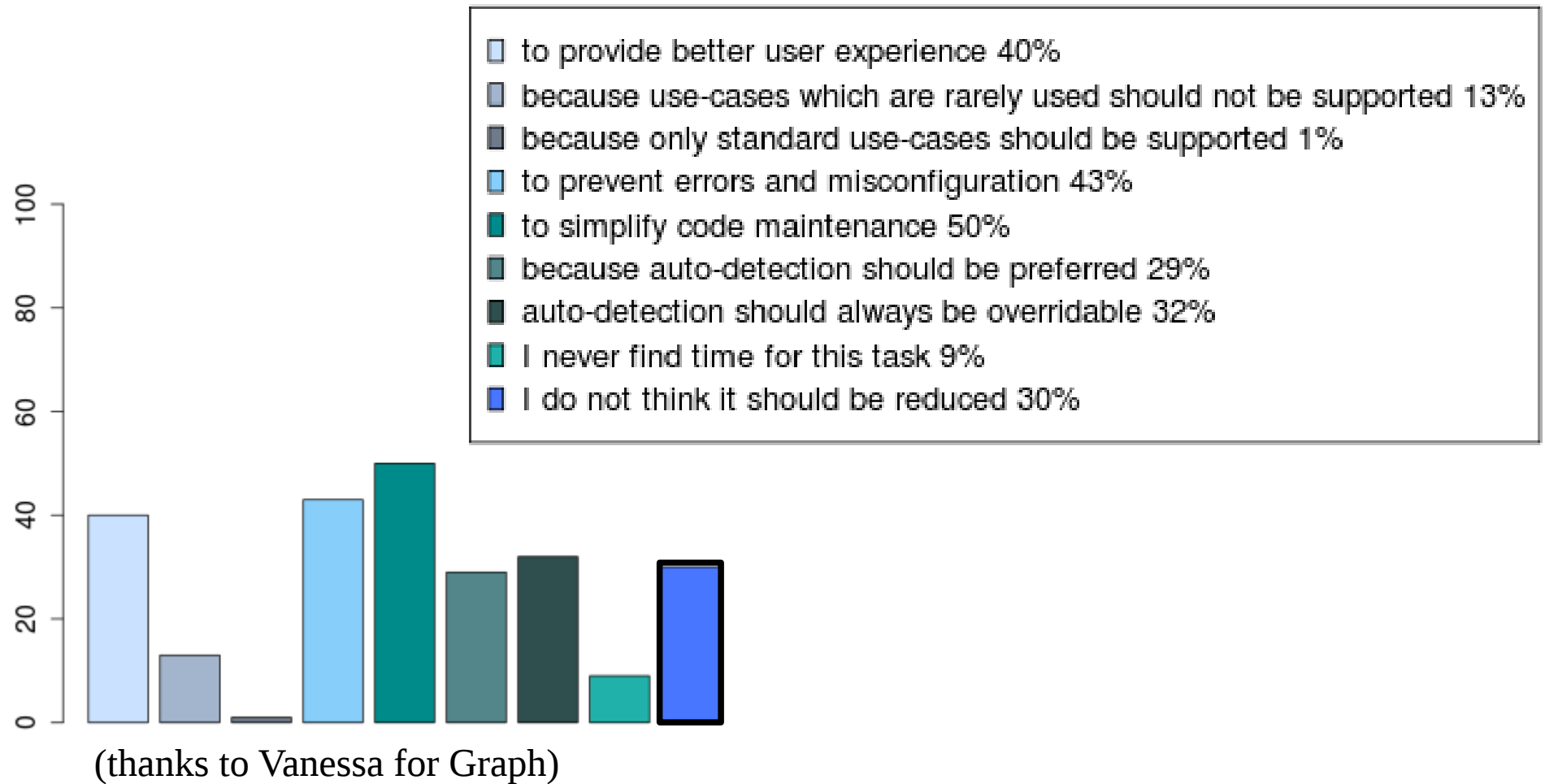
(thanks to Marvin for Drawing Graph)

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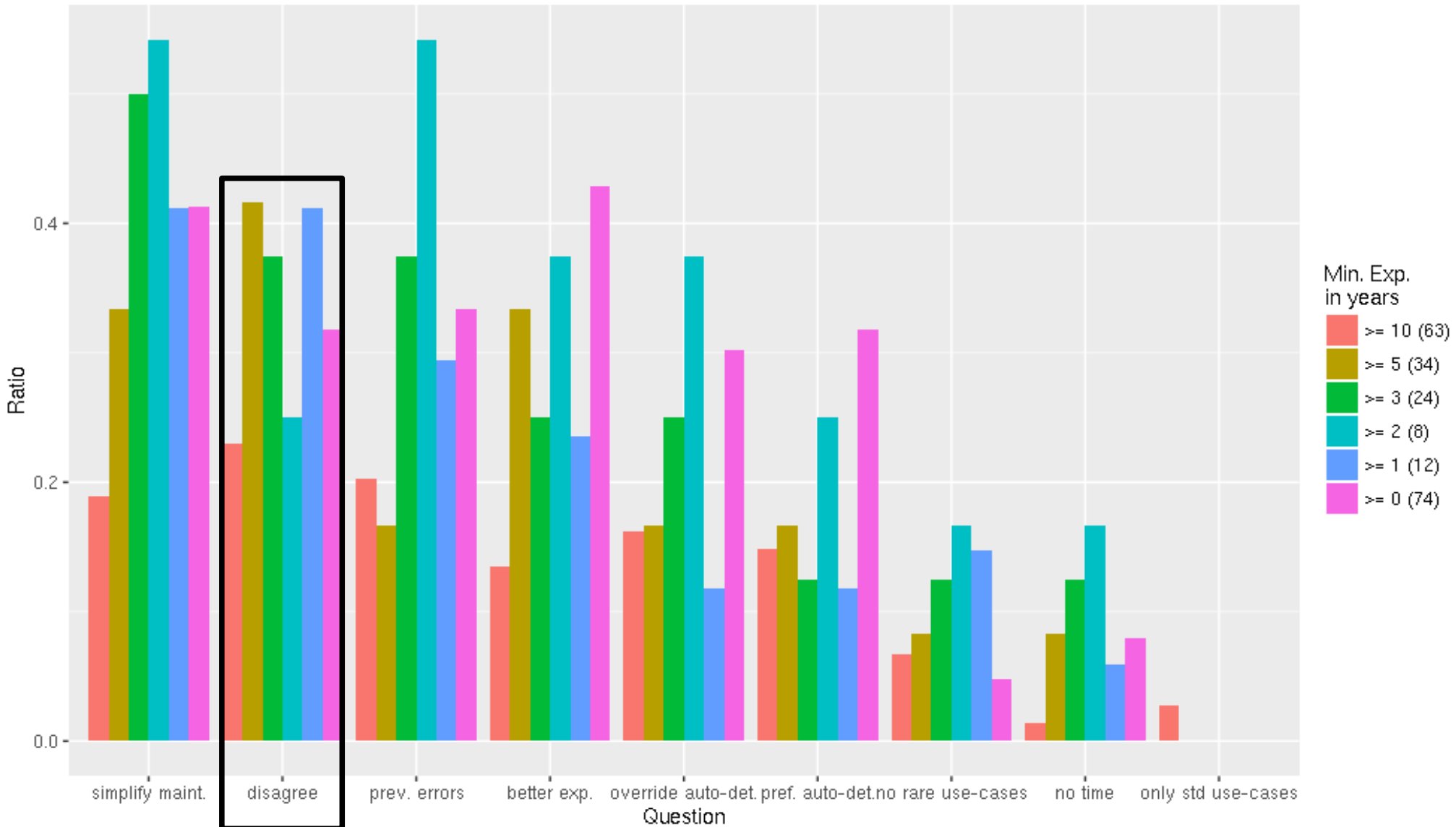
Then let us reduce

➤ *But 30% of developers think it should **not** be reduced*



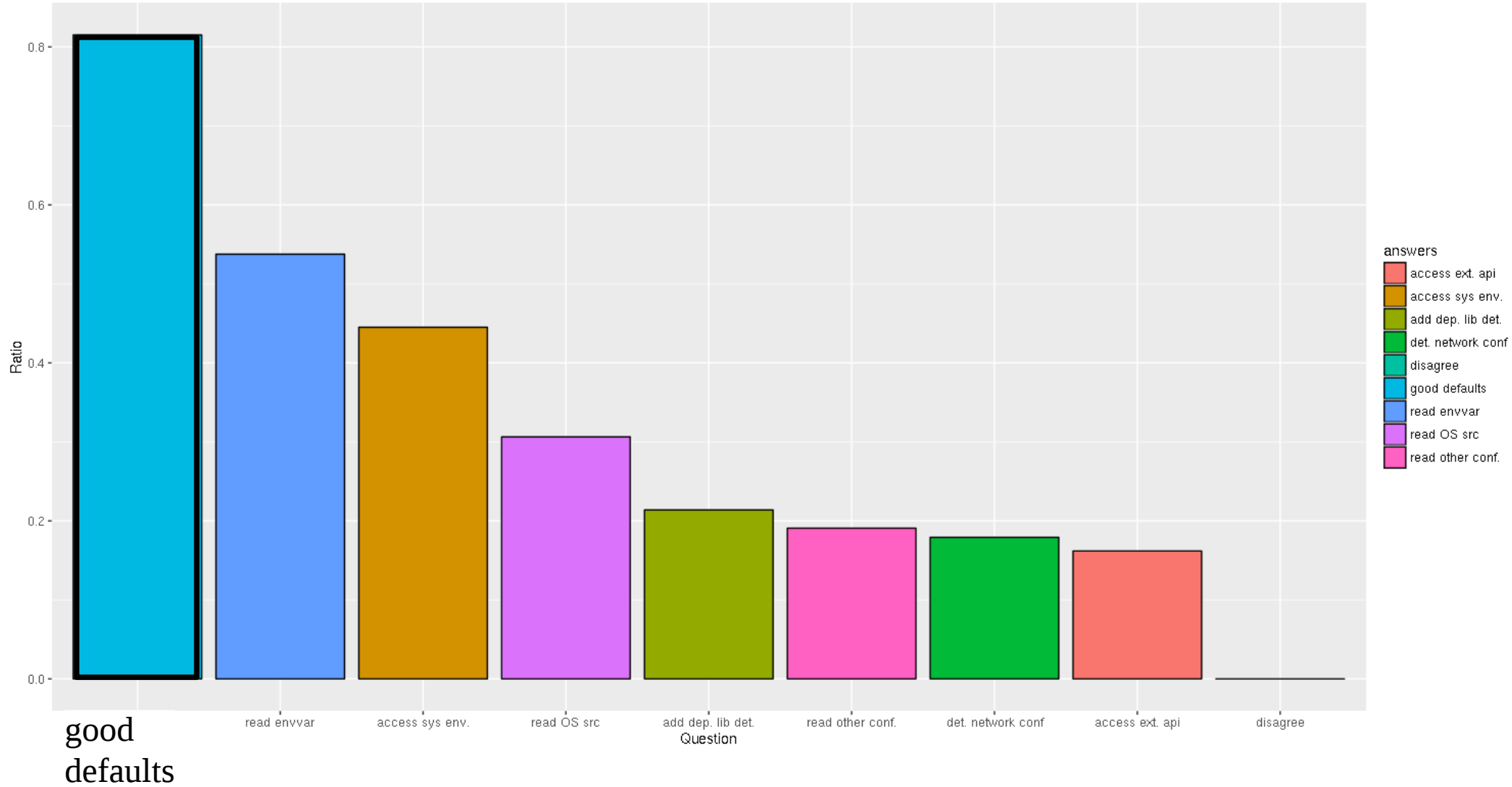
Correlations are hard to find

Why do you think configuration should be reduced?



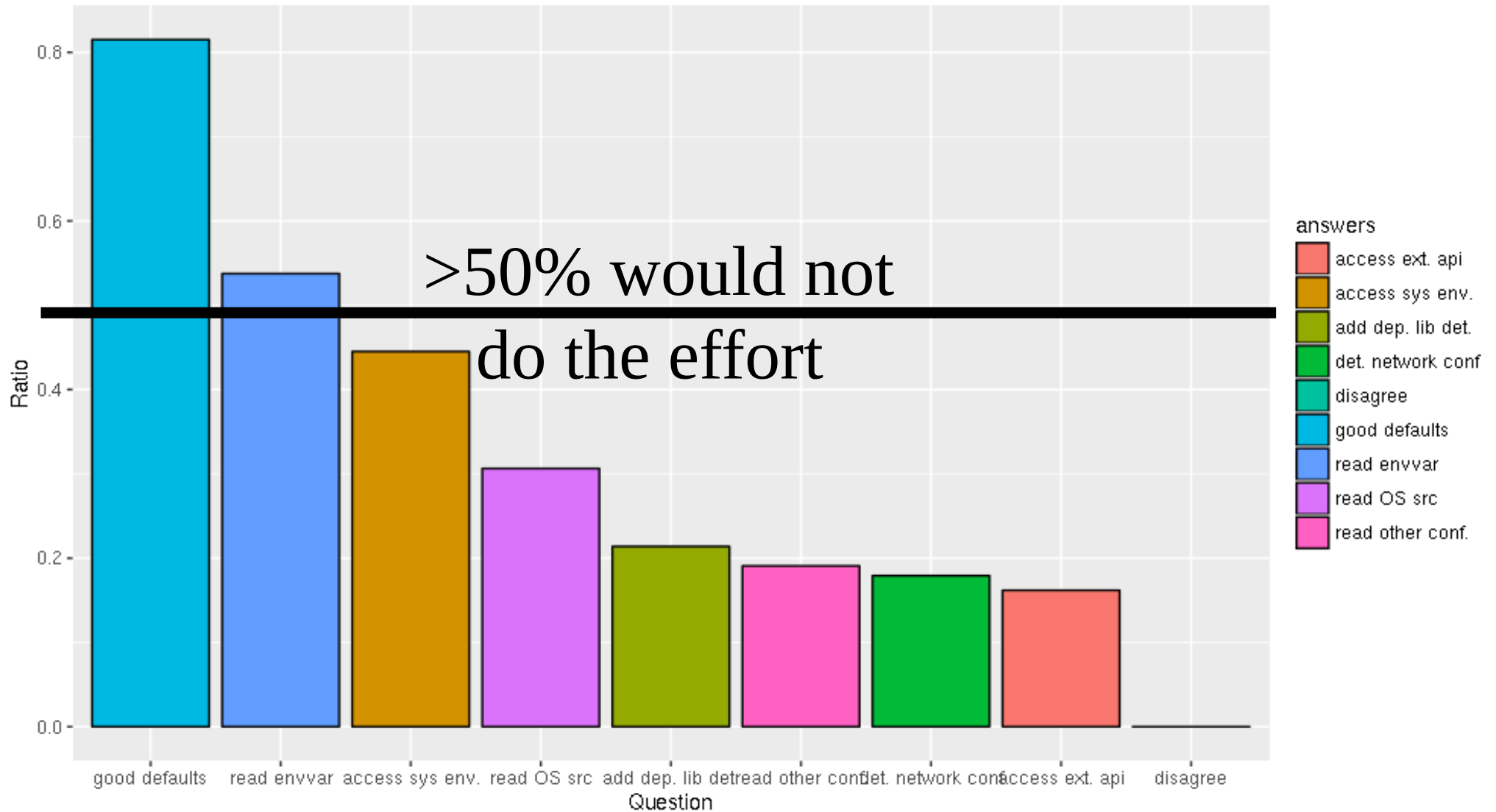
Good Defaults

Which effort do you think is worthwhile for providing better configuration experience?



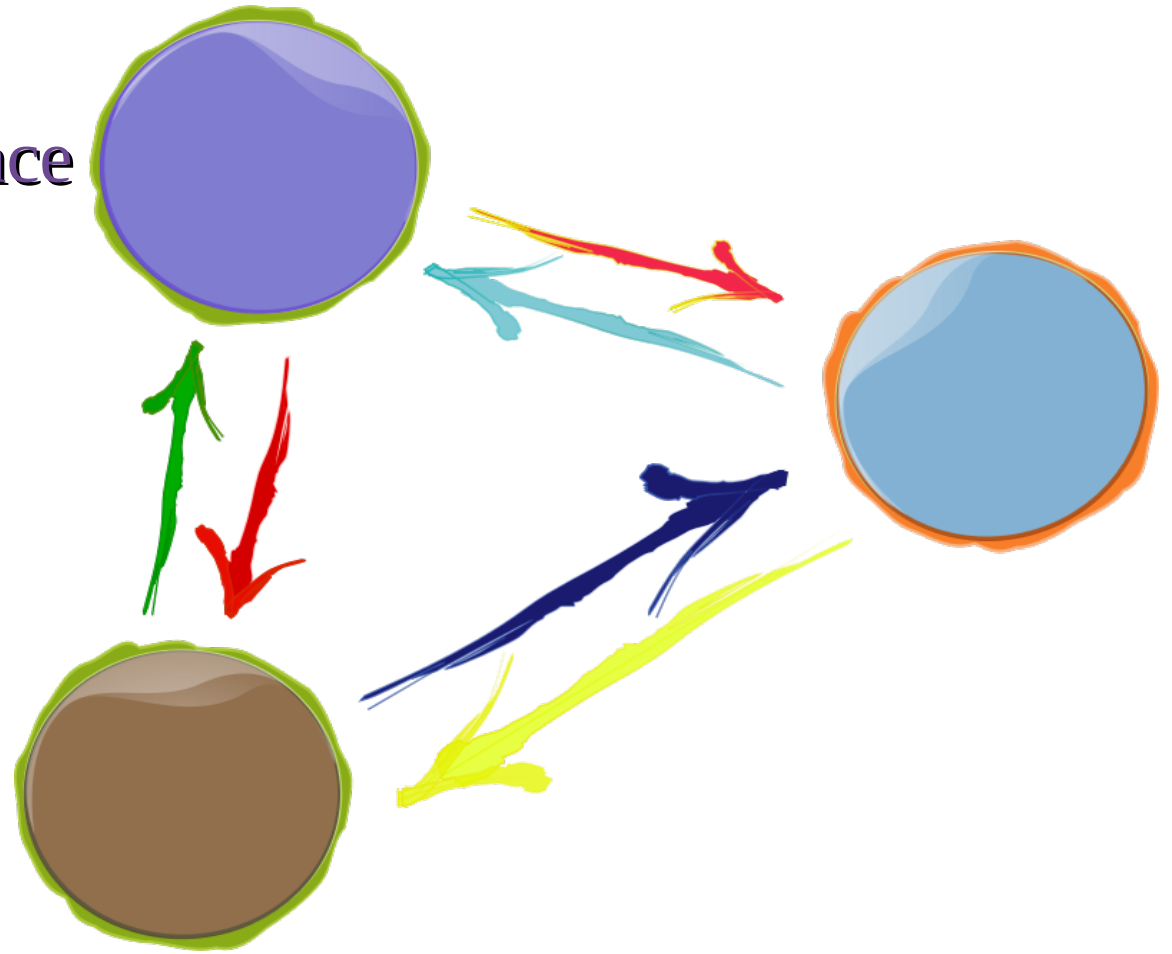
Detection of other sources

Which effort do you think is worthwhile for providing better configuration experience?



Define Goals via Survey

- **Out-of-the-box experience**
simplify!
sensored or calculated
(X-server)
- **Sharable**
across applications
robustness!
- **Tooling**
make system
administration sane



Who uses Elektra? What are the targets?

✓ *Embedded Systems*



cameras

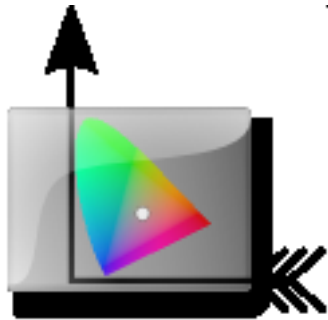


universities



weighing scales

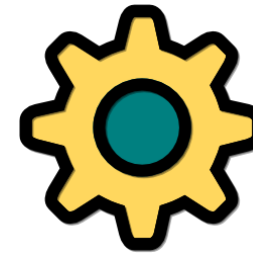
✓ *shared configuration in FLOSS (Desktop)*



oupanos



(in progress)



➤ Your project?

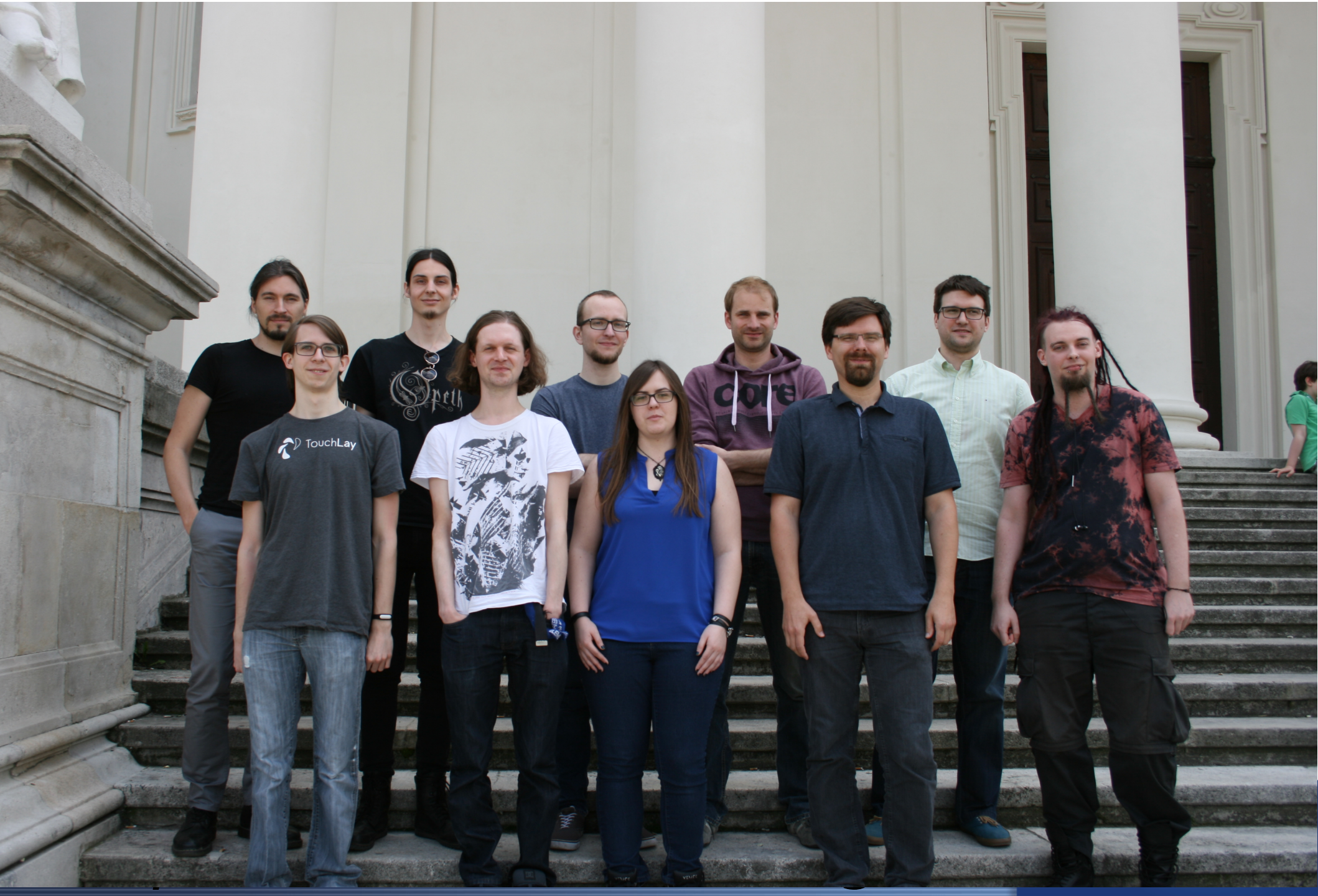
✓ *Administrators (Servers)*



<http://www.libelektra.org>



Who is working on Elektra?



Who is working on Elektra?

- Armin Wurzinger: *Type Interference*
- Bernhard Denner: **Puppet Module**
- Daniel Bugl: *WebUI*
- Dominik Hofer: the **high-level API**
- Kurt Micheli: *Order Preserving Minimal Hash Map*
- Ulrike Schaefer: **Code Completion**
- Michael Zehender: *Quality Improvements*
- Mihael Pranjić: *mmap plugin*
- Peter Nirschl: *crypto plugin*
- René Schwaiger: **YAML plugin**
- Sebastian Bachmann: *Shell Completion*
- Thomas Waht: *Notification*
- Thomas Waser: **Validation** and Transformations of Configuration
- Vanessa Kos: *Misconfiguration Bug Database*



1.0 this year



➤ You: *Fun Parts?*



<http://www.libelektra.org>

Resources

Thank you for your attention!

Drop us an email or open a issue!

Questions?

- *Homepage: <https://www.libelektra.org>*
- *Open Data: <https://rawdata.libelektra.org>*
- *Build Server: <https://build.libelektra.org/>*

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