EDM Program

Evolvability, Deployability, & Maintainability
edm@iab.org

Use-it-or-lose-it is published!

RFC 9170: Long-Term Viability of Protocol Extension Mechanisms

🎉

Agenda

Implementation status survey

Next steps for implementation status

Plans for draft-iab-protocol-maintenance

WG Chair Survey

Do participants in your Working Group work on running code or share status in any of the following venues? (Select all that apply)

- ☐ IETF hackathon
- ☐ Interoperability testing at interim meetings
- ☐ Implementation presentations at working group meetings
- ☐ Related GitHub/other code repositories
- ☐ Other

What do you use to track implementation status? (Select all that apply)

- ☐ "Implementation Status" section of drafts (RFC 7942)
- ☐ IETF wiki page (Trac)
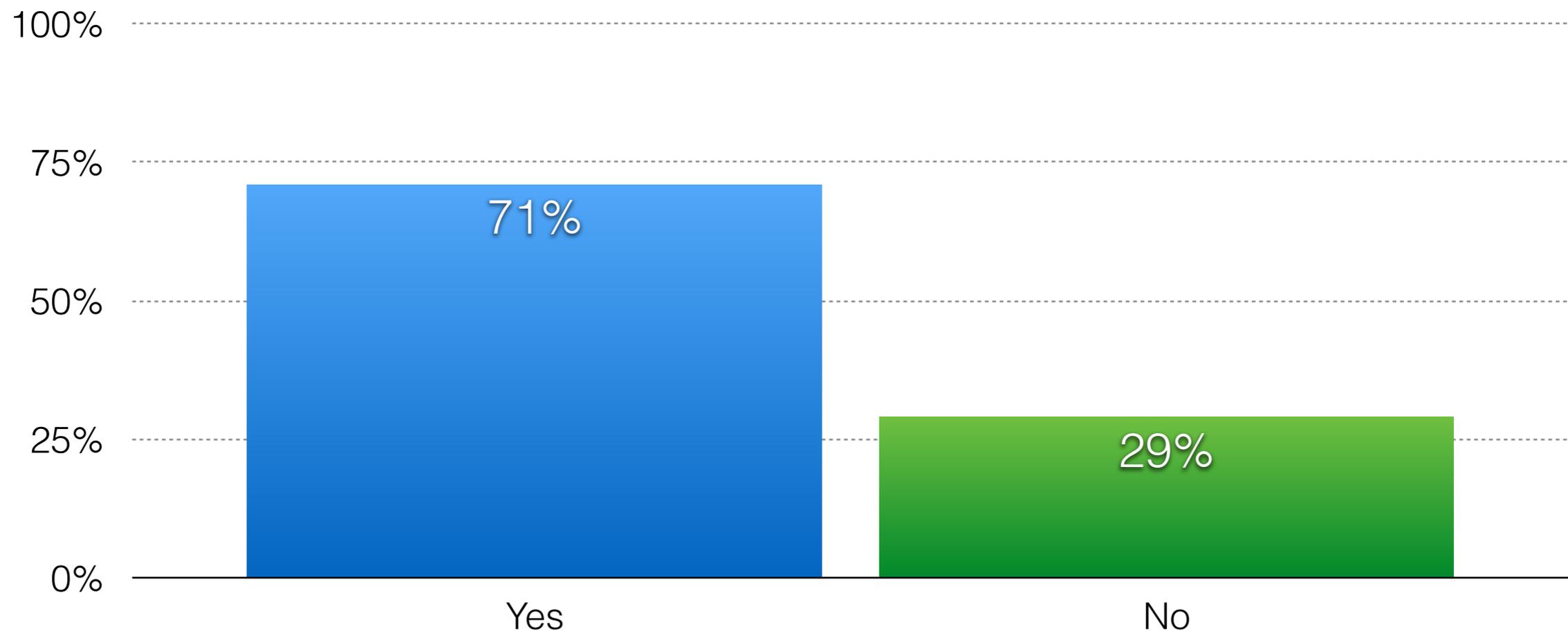- ☐ IETF hackathon wiki
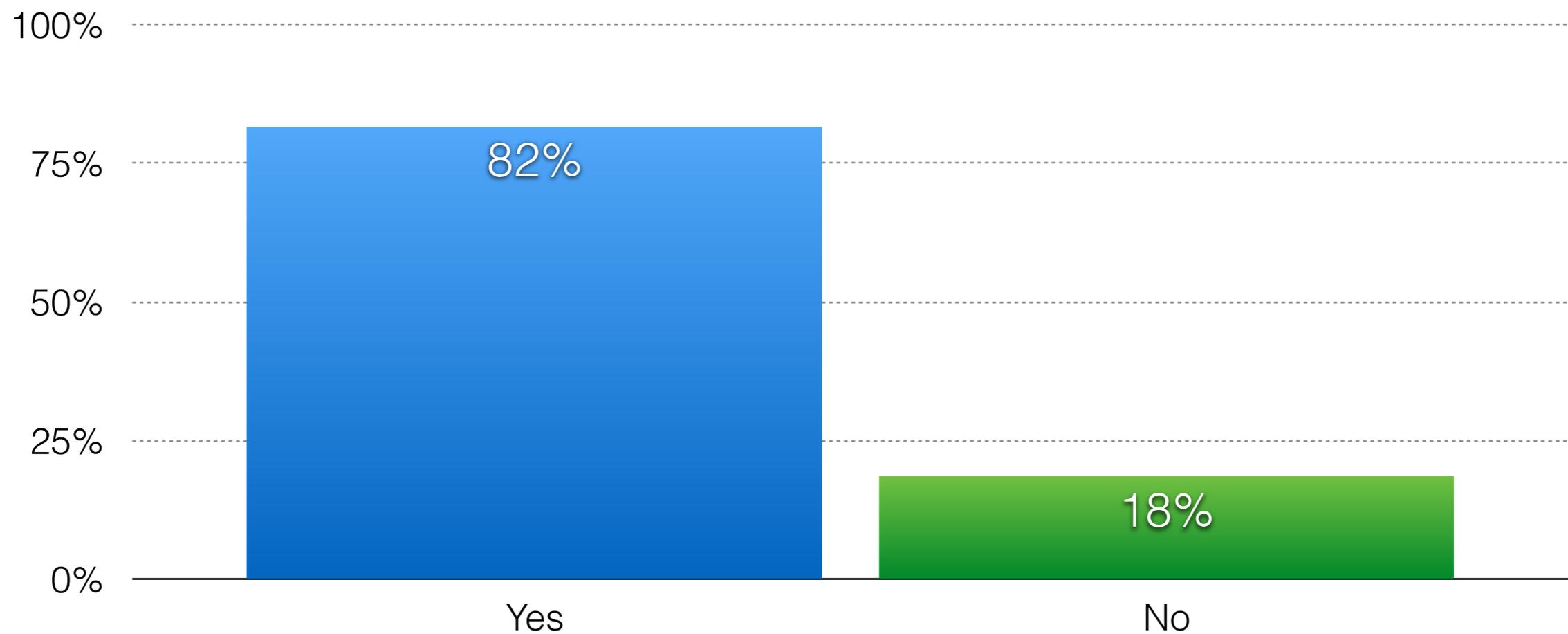- ☐ GitHub wiki
- ☐ Other GitHub page

WG Chair Survey

38 responses overall

Does your Working Group track implementation status for protocols you work on?
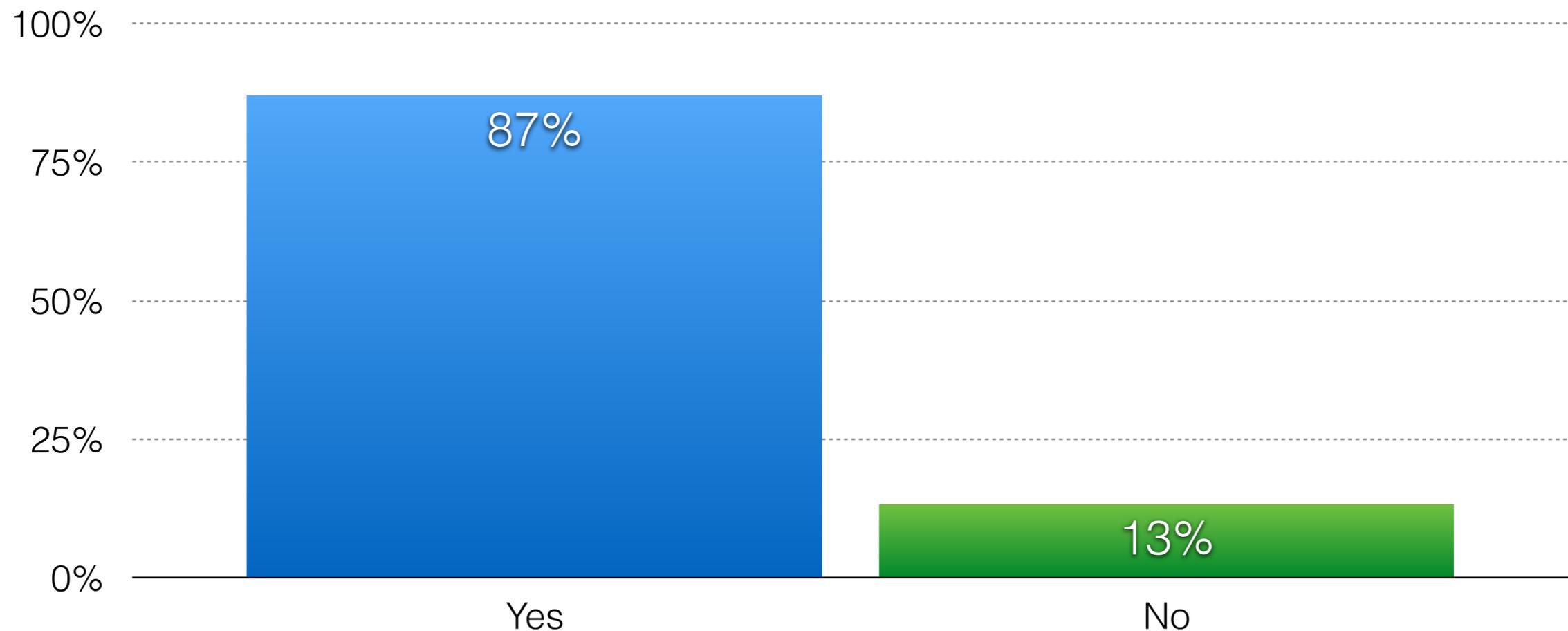
WG Chair Survey

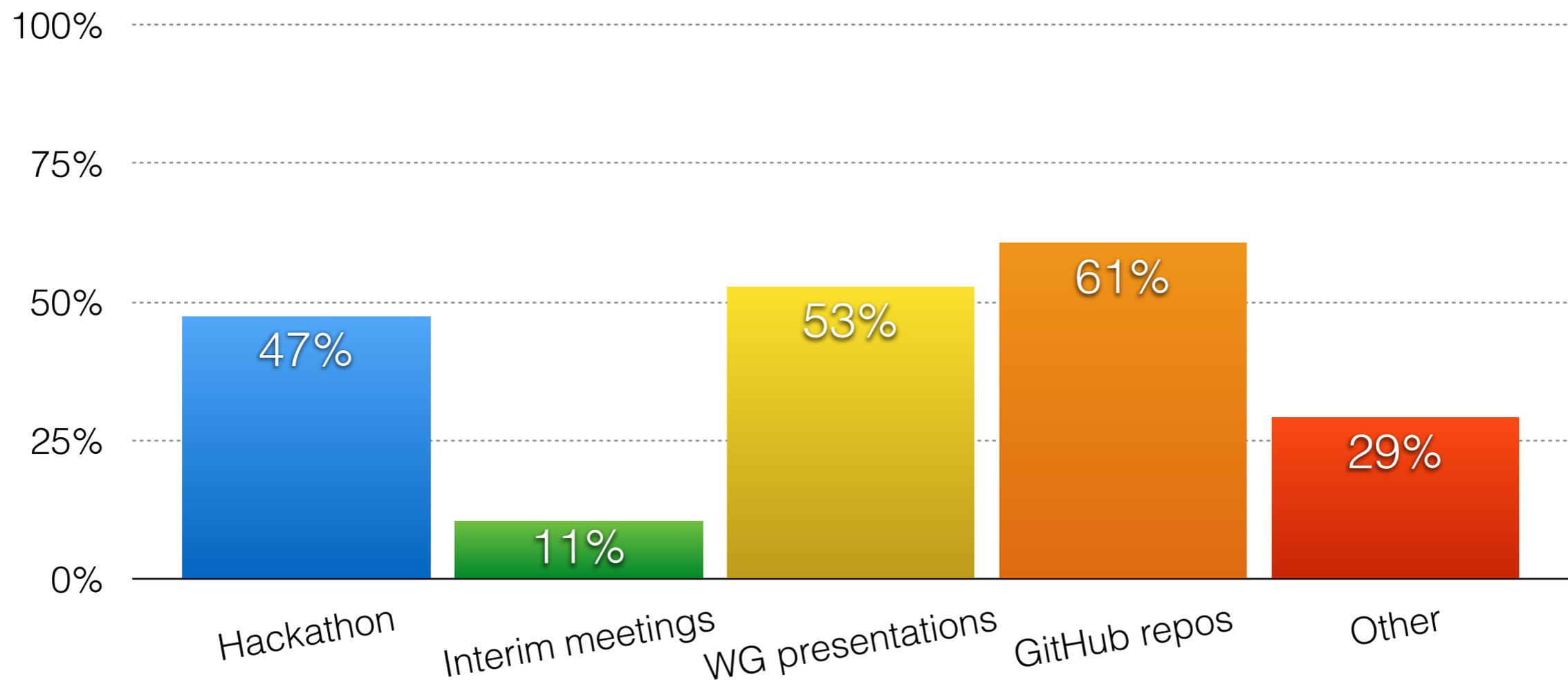**Would you like to have a way to make implementation status more discoverable?**

WG Chair Survey

Do you or would you like to track implementation status after RFCs are published?

WG Chair Survey

Do participants in your Working Group work on running code or share status in any of the following:

WG Chair Survey

Do participants in your Working Group work on running code or share status in any of the following:

Other:

Mailing list
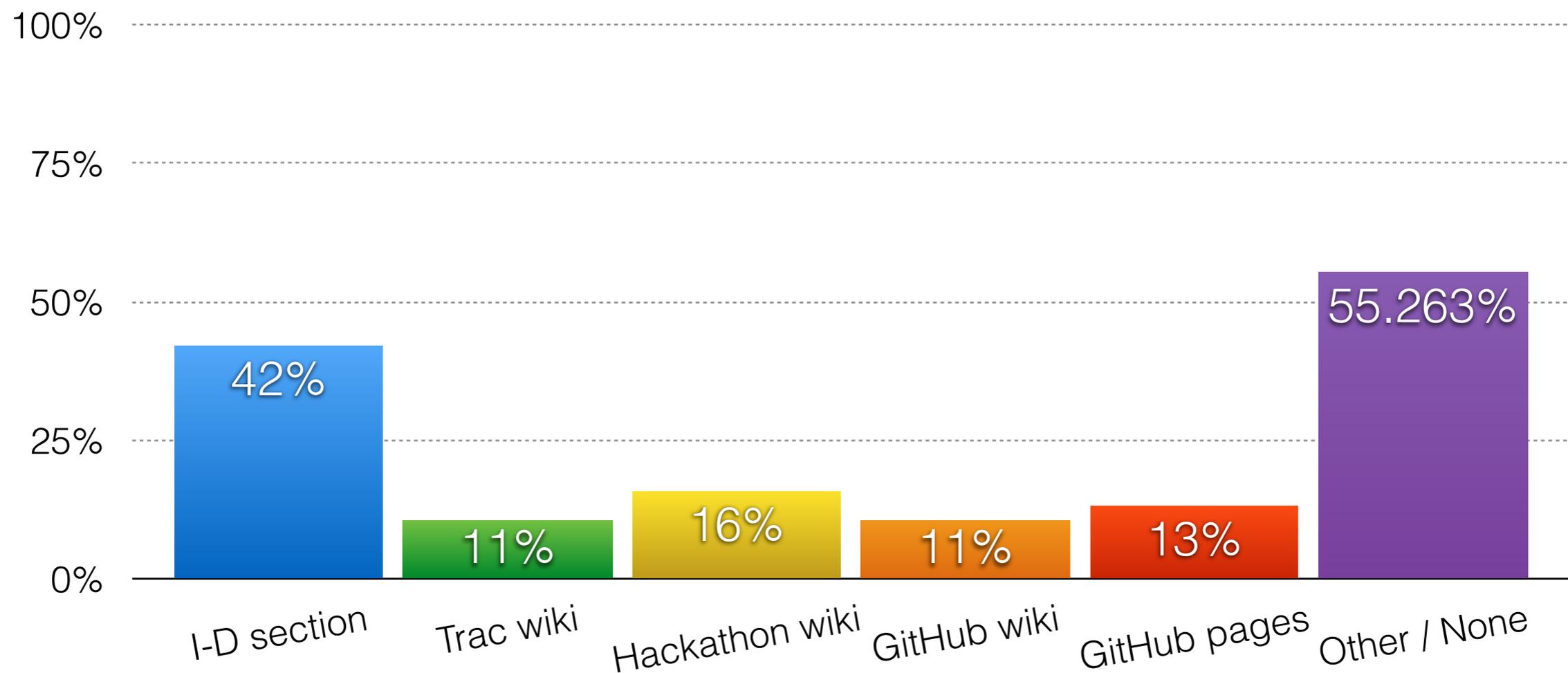EANTC (European Advanced Networking Test Center)
I-D implementation status section
Shepherd writeups
Bakeathons

WG Chair Survey

What do you use to track implementation status?

"Other" was mainly none, one Google sheet

Implementation Status

What's a good next step?

Define a common pointer to implementation tracking

    https://github.com/intarchboard/program-edm/issues/13

What happens after a WG/GitHub closes?

    https://github.com/intarchboard/program-edm/issues/14

Should RFCs point to implementation status?

    https://github.com/intarchboard/program-edm/issues/15

Can we use the upcoming Hackathon to try things out?

Finding Code

draft-eckel-edm-find-code (https://www.ietf.org/archive/id/draft-eckel-edm-find-code-01.html)

Codematch

https://www.ietf.org/proceedings/92/slides/slides-92-iesg-opsplenary-2.pdf

https://github.com/ComputerNetworks-UFRGS/Codestand

5-year old defunct effort, tried to build a separate app to later merge into data tracker

Protocol Maintenance

draft-iab-protocol-maintenance, "The Harmful Consequences of the Robustness Principle"

IAB adopted draft, but expired

Area of protocol maintenance is in scope for EDM

https://github.com/intarchboard/program-edm/issues/12

Protocol Maintenance

What does the draft say?

Argues that the robustness principle ("be conservative in what you send, and liberal in what you accept") should be avoided for maintained protocols

Agrees that protocol specs can be flawed, but that tolerance of errors leads to protocol decay

Protocols and implementations that are actively maintained and updated are better suited to strict requirements, even when older implementations become excluded

Protocol Maintenance

Do we agree?

Should we take this work on?

What should be changed or updated?