

European Standardization Organizations

Open Source Solutions: Public Info Session

2022-04-25

Welcome

Amanda Saunders | BSI (UK) | Workshop Host

Agenda

- Welcome & what is this project about? – 10 mins
- eInvoicing example – 5 mins
- Call for pilots – 5 mins
- Processes & creation of an OSPO – 5 mins
- Survey results – 5 mins
- Discussion and Q&A – 25 mins
- Next steps – 5 mins

Purpose

Target audience

- ▶ General public

Goals of today's session

- ▶ brief you on what's happening
- ▶ poll you for understanding/opinions
- ▶ discuss a couple of key topics in more depth

Presenters



Daniel Haack
DIN (Germany)
Project Leader



Shannon Kiernan
CCMC (Europe)
Project Manager



Amanda Saunders
BSI (UK)
Workshop Host



Alice Kasasian Brown
BSI (UK)
Workstream Leader – Processes



Fred van Blommestein
NEN (Netherlands)
Prospective pilot group

Speak up 😊



- ▶ Informal (but efficient)
- ▶ Use the chat freely (questions answered during Q&A at the end)
- ▶ Zoom polls

Materials afterwards

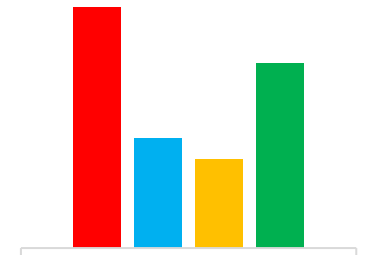
- ▶ Slides + poll results on project website + emailed to attendees
- ▶ Meeting recorded but only shared within the project team



Who is joining us today?



- ▶ Who do you work for (or consult to)?
- ▶ What type of skills/role do you have?
- ▶ Is this your first session?



What is this project about?

Shannon Kiernan | CCMC (Europe) | Project Manager



Search list

electronic invoicing

Search

Mockup

11-20 of 126 results

🔍 Show ▾



STANDARDS [CURRENT]

DIN EN 16931-1

Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice; German version EN 16931-1:2017+A1:2019 + AC:2020
Edition 2020-12



STANDARDS [CURRENT]

PD CEN/TS 16931-3-1

Electronic invoicing. Methodology for syntax bindings of the core elements of an electronic invoice
Edition 2017-09-21



OPEN SOURCE [CURRENT]

CEN/OS 12345

Electronic invoicing. Conformity validation tool for DIN EN 16931-1.



TECHNICAL RULE [CURRENT]

BS CWA 16461

Electronic invoice processes in Europe and enablement of SMEs to use them efficiently
Edition 2012-05-01



OPEN SOURCE [CURRENT]

CEN/OS 12345 Electronic invoicing. Conformity validation tool for DIN EN 16931-1.

STABLE RELEASE	FORMAT/LANGUAGE	PRICE
V1.03 2021-10-01	XML YAML	0 €

[→ Download from GitHub](#)

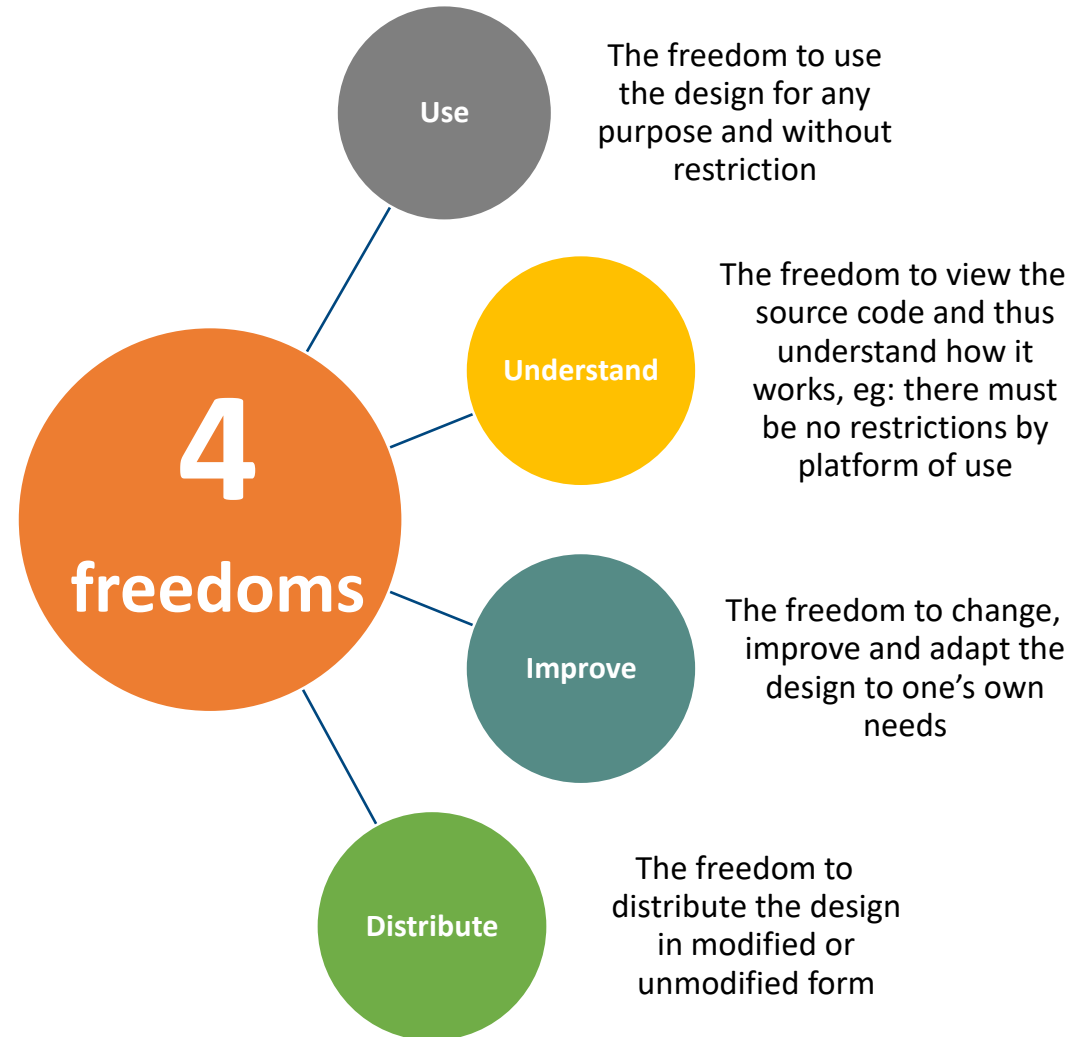
Mockup

What is open source?

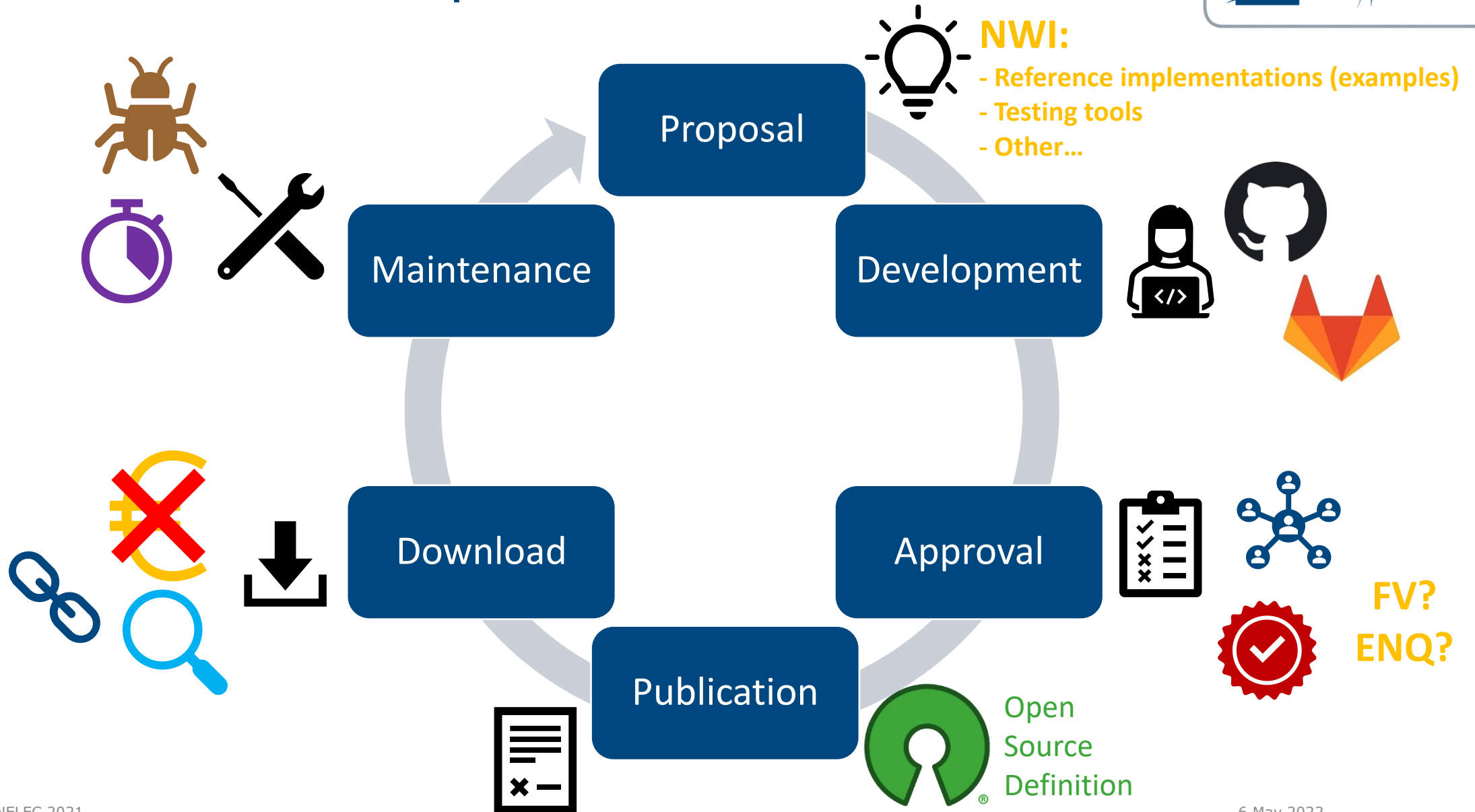
A design (eg: software) issued under a licence that satisfies certain criteria.

The detailed version:
Open Source Definition
<https://opensource.org/osd>

But the basic idea is...



A framework for Open Source deliverables



To avoid confusion...

In scope:

- ✓ First version of a framework for a new type of deliverable

Out of scope:

- ✗ changes to deliverables that are already published

- ✗ changes to frameworks for existing deliverable types, eg: European standards (EN), technical reports (TR), technical specifications (TS)...

Why is it important?



Demand from
TCs



Growing
segment



Benefits for
society



Potential EC
funding



Testing
ground for a
new business
model &
processes



Keep
standards
relevant for
users



Workshop series in October 2021

Insights



- ▶ Members curious; others quite passionate
- ▶ Licensing is key, especially re: patents – diverse, strong opinions
- ▶ Definition of open source not universally agreed
- ▶ Need proposals to give feedback

Other outcomes

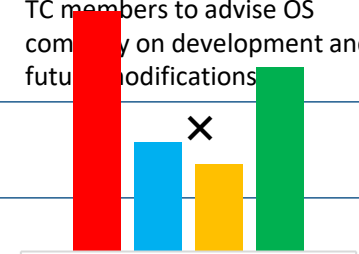


- ▶ Mailing list
- ▶ Demand for future workshops
- ▶ Interview partners

Possible solution types (~use cases)



	A. Parallel with traditional standards	B. Sponsored fast-tracked deliverable	C. Open collaboration	D. Partnership with an OS Foundation	E. Partnership with an OS company
Description	<ul style="list-style-type: none"> - CEN-CLC TC members work in a traditional standards process. - Secondary informative OS deliverable is created alongside the standard on a private Git platform (e.g. GitHub). - OS deliverable is distributed for free. 	<ul style="list-style-type: none"> - Deliverable based on a sponsored fast-tracked CEN-CLC standard. - Secondary informative OS deliverable is created alongside the standard on a private Git platform (e.g. GitHub). - OS deliverable is distributed for free. 	<ul style="list-style-type: none"> - Informative OS deliverable created on a public CEN-CLC Git platform. - CEN-CLC manages the platform. - Variety of people, including the public, would build and maintain the OS deliverable. - Development is separate from the related standard. 	<ul style="list-style-type: none"> - Informative OS deliverable created on a public Git platform. - The OS Foundation/ community builds the deliverable. - OS partner manages the platform. - Development is separate from the related standard. 	<ul style="list-style-type: none"> - Informative OS deliverable created on a public Git platform. - The OS company builds and maintains the deliverable - OS company manages the platform. - Development is separate from the related standard.
Who and where?	<ul style="list-style-type: none"> - Private (closed) CEN-CLC owned Git platform. - Developed by CEN-CLC TC members. 	<ul style="list-style-type: none"> - Private (closed) CEN-CLC owned Git platform. - Developed by CEN-CLC TC members. 	<ul style="list-style-type: none"> - CEN-CLC owned public Git platform. - Development is open to anyone*. 	<ul style="list-style-type: none"> - OS foundation owned platform. - Development is open to anyone*. 	<ul style="list-style-type: none"> - OS company owned platform. - Development is by the OS company.
Relationship to standard	<ul style="list-style-type: none"> - Informative. - CEN-CLC homegrown standards. 	<ul style="list-style-type: none"> - Informative. - CEN-CLC homegrown standards. 	<ul style="list-style-type: none"> - Informative. - CEN-CLC homegrown and ISO/IEC adopted standards. 	<ul style="list-style-type: none"> - Informative. - CEN-CLC homegrown and ISO/IEC adopted standards. 	<ul style="list-style-type: none"> - Informative. - CEN-CLC homegrown and ISO/IEC adopted standards.
Development time	<ul style="list-style-type: none"> - Same as standard (~18-36 months). 	<ul style="list-style-type: none"> - Same length as fast-tacked standards process (~12-18 months). 	<ul style="list-style-type: none"> - Short. As this is detached from the standards process, it can be developed independently. 	<ul style="list-style-type: none"> - Short. As this is detached from the standards process, it can be developed independently. 	<ul style="list-style-type: none"> - Short. As this is detached from the standards process, it can be developed independently.
Maintenance	<ul style="list-style-type: none"> - CEN-CLC TC members at the same time as updating the standard. 	<ul style="list-style-type: none"> - CEN-CLC TC members. 	<ul style="list-style-type: none"> - Community Contributors who have signed CEN-CENELEC CLA/DCO. - Process developed where the TC members approve any modifications. 	<ul style="list-style-type: none"> - OS foundation and deliverable maintained by Community Contributors who have signed CEN-CENELEC CLA/DCO. - Process developed where the TC members approve modifications. 	<ul style="list-style-type: none"> - Platform and deliverable is maintained by OS company. - Process developed for CEN-CLC TC members to advise OS company on development and future modifications.
Matches pilots	✓	✓	✓	✓	✗



eInvoicing example

Fred van Blommestein | NEN (Netherlands) | Prospective pilot

How a framework could help

- ✓ Team
- ✓ Funding
- ✓ Supported by TC



- ? Didn't follow any CEN rules = exceptions, debates, delays & possible quality issues
- ? Funding expired but no end-of-life process in place (e.g. archive)
- ? No link from EN to GitHub = limited reach + unclear whether it's official
- ? GitHub not managed by CEN = can be modified anytime without visibility

Pilots & Processes

Alice Kasasian Brown | BSI (UK) | Workstream Leader

Call for pilots



Have an idea? Get in touch!

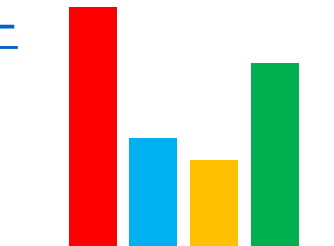
- ▶ Help us build and test our processes and platform
- ▶ Pilots can run in parallel with or after the development of an EN/TS/CWA
- ▶ Test the whole process or specific parts

Why?

- ▶ Help your standard better meet the needs of users
- ▶ Increase market adoption of your standard
- ▶ Represent of the interests of your industry
- ▶ Shape the future of standardization
- ▶ Innovate

Flyer on our website: <https://experts.cen.eu/key-initiatives/open-source-solutions/>

Contact us: oss@cencenelec.eu



Open Source Solutions: Call for Pilot Projects



April 2022

Are you struggling to incorporate different content formats into your EN/TR/TS/CWA deliverables? Would you like to provide free tools to help people implement your standard and thereby encourage wider adoption? Would you like these tools to be recognised as having the quality level expected of CEN and CENELEC without being constrained by slow revision cycles?

CEN and CENELEC are exploring how to incorporate Open Source approaches into standardization, in order to keep standards relevant in the digital era. Our aim is to have a framework, tested by pilots, in place by December 2022. And this is where you come in. We are now looking for pilots to help us explore how we can work with Open Source.

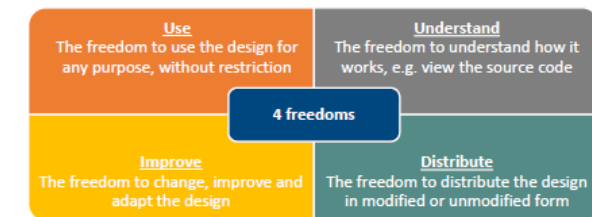
Which TCs are most likely to be interested?

Any TC or Workshop with an EN/TS/CWA that contains requirements for digital content, data fields or data processes.

What is "Open Source"?

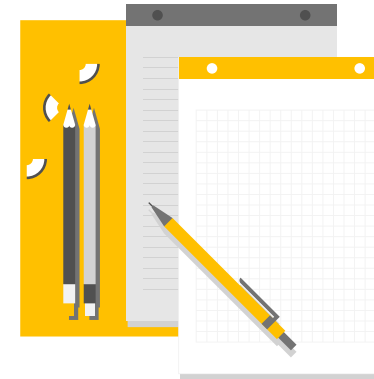
An Open Source design is any sort of design (e.g. software or hardware) that is issued under a licence that satisfies certain criteria. You can find the full definition at <https://opensource.org/osd>.

Open Source licences grant four freedoms:



Processes and governance

- ▶ New deliverable = new processes
 - ▶ Combining the best of standardization and open source
 - ▶ Creating an efficient and inclusive process
 - ▶ Maintaining our key principles, such as transparency and consensus
-
- ▶ New processes = new governance
 - ▶ OSPO: Open Source Programme Office
 - ▶ Currently developing terms of reference
 - ▶ A strong, clear structure to manage and monitor Open Source projects in CEN and CENELEC



Survey results

Amanda Saunders | BSI (UK) | Workshop Host

Open source solutions survey results (1)



1. Who do you work for (or consult to)?

- A CEN or CENELEC national m... 13
- An open source community 3
- I'm an expert in a technical bo... 3
- Other 5

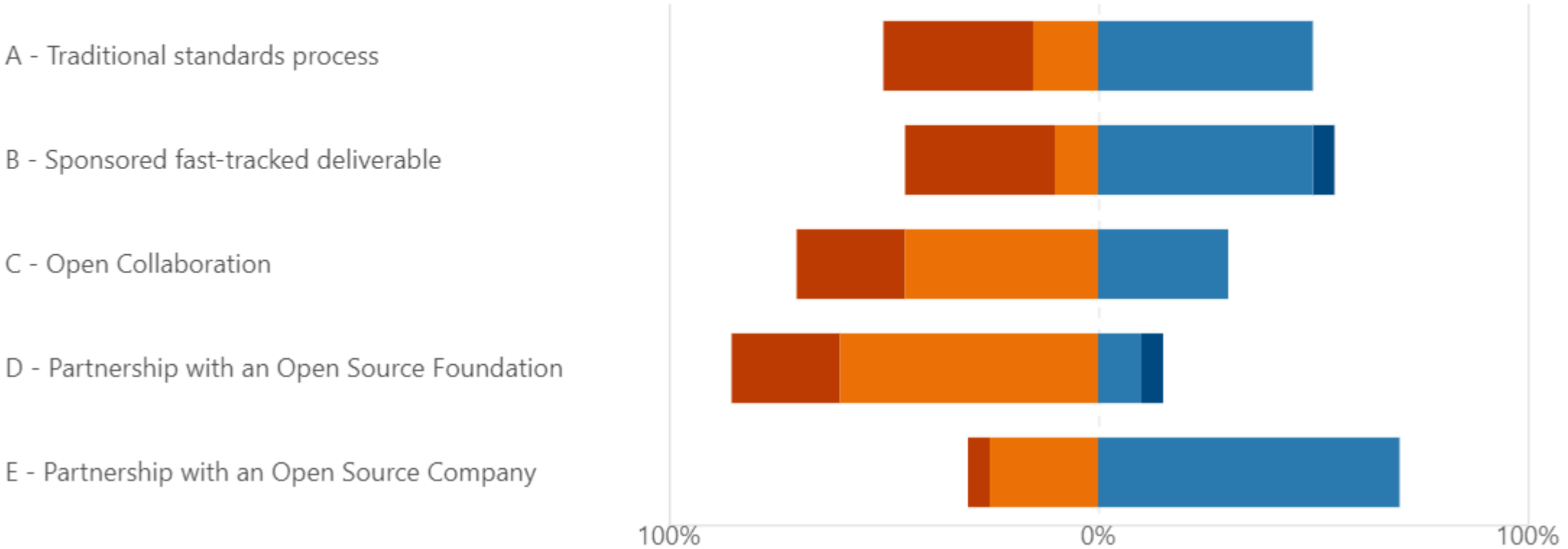
2. What are your areas of expertise?

- Legal - open source, copyright... 7
- Standardisation 18
- Software development - mana... 4
- Software development - progr... 2
- Designer of something other t... 4
- Other 1

Open source solutions survey results (2)

3. Which type of solution do you think should be given the highest priority?

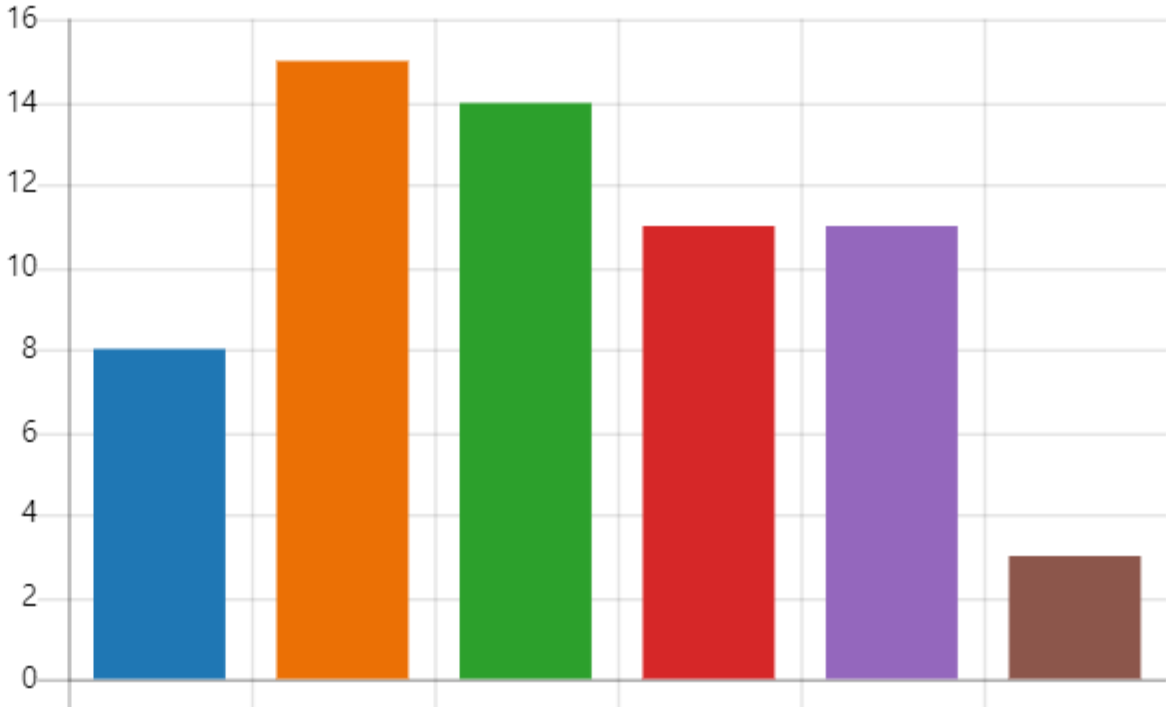
■ High priority ■ Medium priority ■ Low priority ■ No opinion



Open source solutions survey results (3)

5. What kinds of support would you like in order to use the new processes?

- Face to face training (e.g. in Br... 8
- Online training (e.g. via Zoom) 15
- eLearning modules 14
- User manuals 11
- Flowcharts/diagrams/infograp... 11
- Other 3



Open source solutions survey results (4)

6. Do you have a potential project that might be suitable as an open source pilot?

- Yes 3
- Maybe 4
- No 14



7. What kind of prospective pilot group?

- Existing CEN or CENELEC grou... 1
- Existing group outside CEN or... 2
- No group yet - just have an id... 4

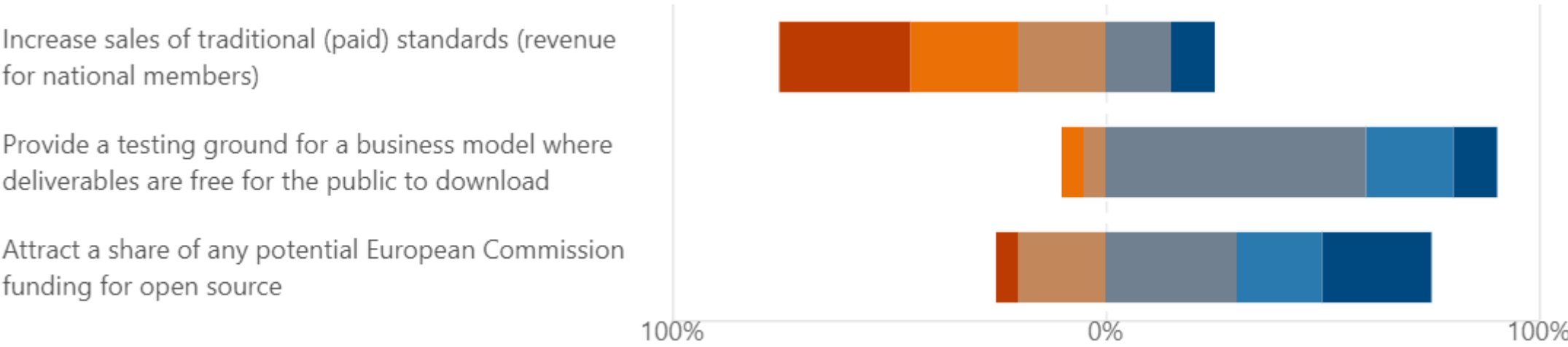


Open source solutions survey results (5)



10. What do you think are the main potential commercial benefits for CEN, CENELEC & their national members of providing an open source reference implementation or conformity testing tool, published as a separate deliverable but related to an EN/TS/CWA?

Very unlikely Unlikely Neutral Likely Very likely Don't know

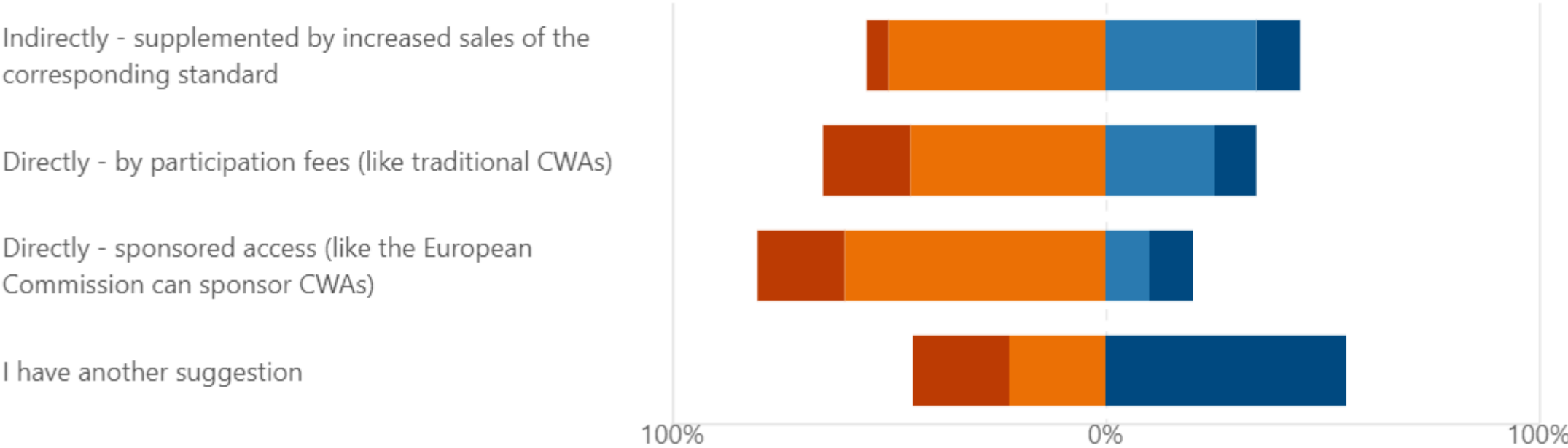


Open source solutions survey results (6)



12. As Open Source deliverables do not directly generate revenue from sales, how should CEN, CENELEC and their national members finance the costs for management of these deliverables?

■ Most suitable
 ■ Suitable
 ■ Not suitable
 ■ No opinion

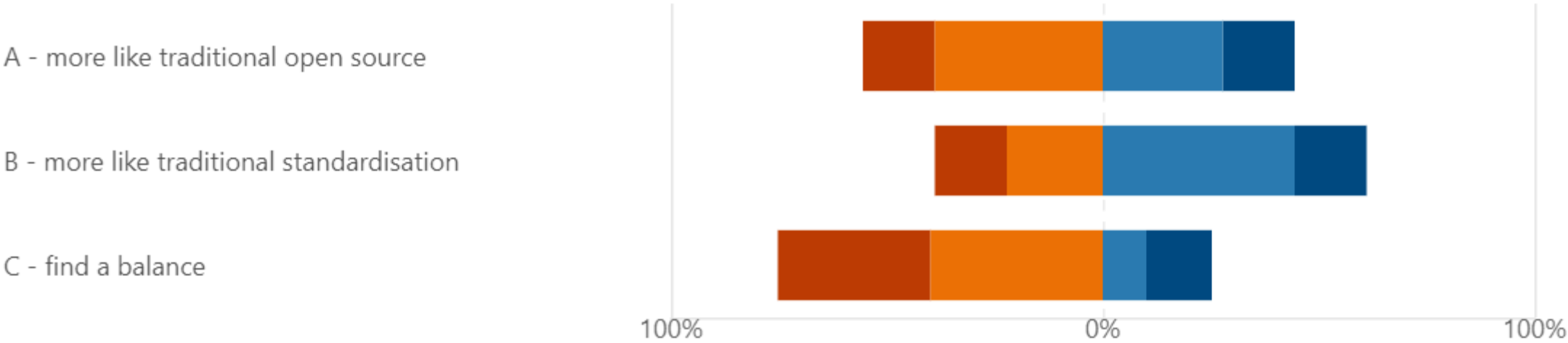


Open source solutions survey results (7)



14. Which licensing options are most suitable for CEN and CENELEC to support?

■ Most suitable ■ Suitable ■ Not suitable ■ No opinion

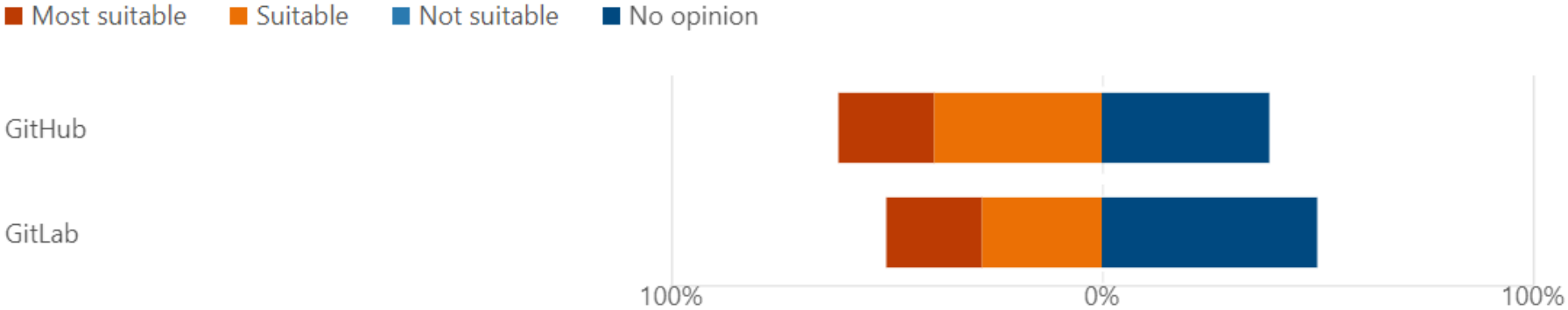


Open source solutions survey results (8)

16. Do you have any experience with distributed version control tools?



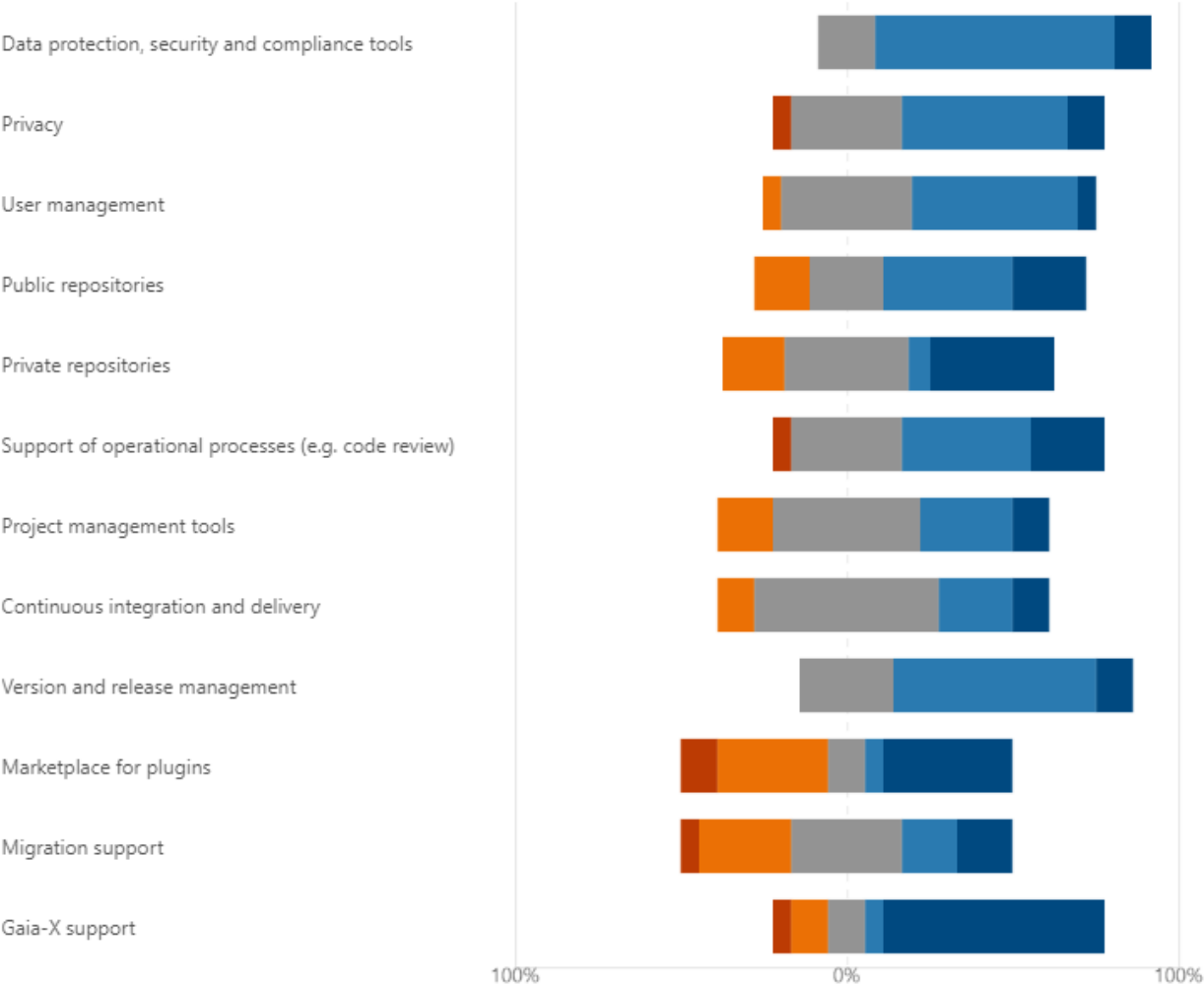
17. Which of these repositories do you think are suitable?



Open source solutions survey results (9)

18. How important are the following features to support development of these new open source deliverables?

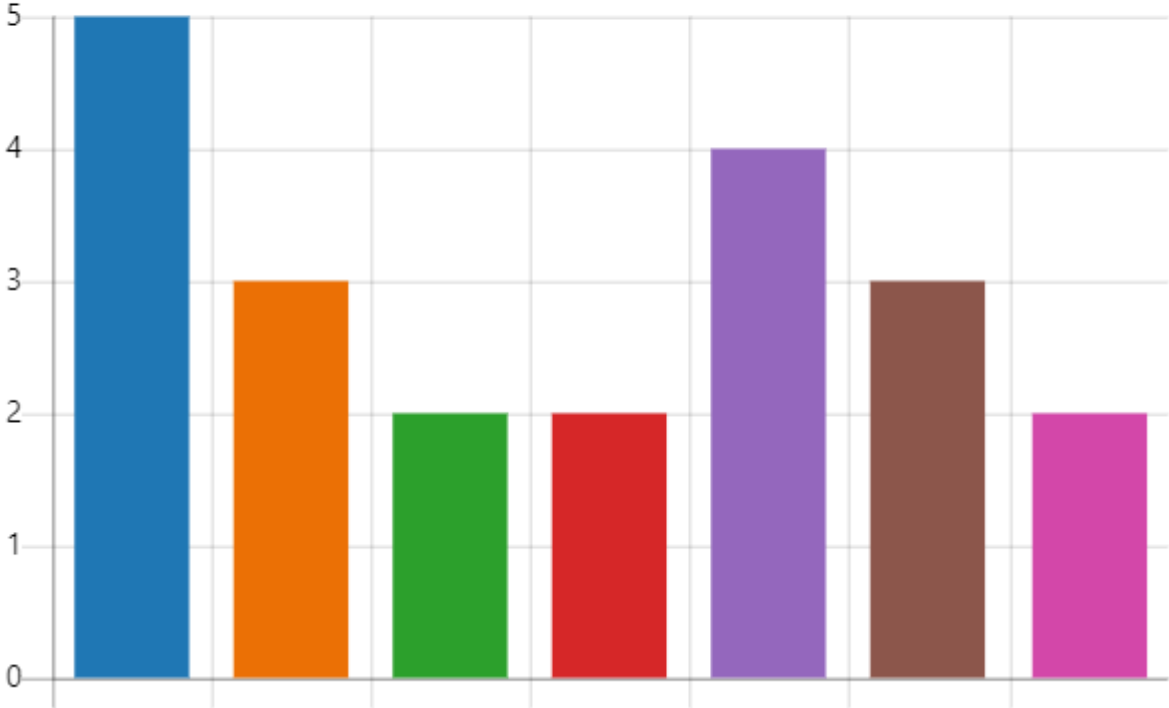
■ Not important at all
 ■ A little important
 ■ Moderately important
 ■ Very important
 ■ No opinion



Open source solutions survey results (10)

22. Are there any additional activities you'd like to participate in?

- More webinars (i.e. more ofte... 5
- More surveys 3
- More one-on-one interviews 2
- More emails/newsletters 2
- More info on the website 4
- No, nothing else 3
- Other 2



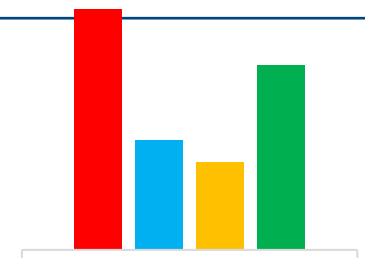
Discussion & Q&A

Daniel Haack | DIN (Germany) | Project Leader

Who should manage open source projects?



	Fully CEN-CENELEC	Shared with a partner
Contributors with technical (IT) skills	✗ Might not have enough?	✓
CEN-CENELEC control	✓ High	✗ Medium?
Lawyers with open source skills	✗ Don't currently have them	✓
Technical infrastructure & tools	✗ Limited to GitHub/GitLab at the beginning	✓ + continuous integration (CI) + IP compliance tools like Fossology
Setup time	✓ Faster	✗ Slower – need to establish business models & contracts
Attract contributors to standardisation	✓ Open Source contributors more likely to become standardisation contributors	✗ Open Source contributors less likely to become standardisation contributors



Next steps

Amanda Saunders | BSI (UK) | Workshop host

Next steps

- ▶ Please share and answer the [survey](#)
- ▶ Share our [call for pilot projects](#)
- ▶ Would you like to go on our mailing list? (poll)
- ▶ See you for another webinar in a few months!

