

European Standardization Organizations

Workshop: Stakeholder Group **Open Source Communities & Organisations**

2021-10-15 | Project 4: Open Source Solutions

Agenda

- Welcome & project summary (20 mins)
- Technical solutions (20 mins)
- Processes (20 mins)
- Participation and Funding (20 mins)
- Licensing and IPR (20 mins)
- Your views & Q&A (10 mins)
- Next steps (10 mins)

Welcome

Amanda Saunders | British Standards Institution | Host

Target audience

- ▶ Open Source Communities and representing Organisations

Goals of today's session

- ▶ Explore incentives and motivation for people from Open Source communities to participate with standardization
- ▶ Investigate how standardization can benefit from the skills, tools and Agile development processes from Open Source Communities via joint participation on CEN-CLC Open Source Solutions.

Other upcoming sessions



Date & Time	Target Audience	Topics
Tue 19 Oct 2021 from 10am to 12pm CET	Members (various departments, including standardization, publishing and legal)	Workshop – inc. processes, technical tools, licensing and commercials

Current list and registration links are on the project site ([CEN/CENELEC](#))

Presenters



Amanda Saunders
BSI (UK)
Workshop host



Shannon Kiernan
CCMC (Europe)
Joint Project Leader



Derek Roche
SESKO (Finland)
Technical Solutions Workstream Leader



Martin Häuer
Fraunhofer (Germany)
Operationalization Workstream Member



Adrian O'Sullivan
NSAI (Ireland)
Business Model Workstream Leader

Speak up 😊



- ▶ Informal (but efficient)
- ▶ Use the Q&A panel anytime if you'd like the project team to answer (answered later if we run out of time)
- ▶ Use chat freely if you don't need the project team to answer
- ▶ Zoom polls
- ▶ Silence ≠ agreement

Materials afterwards

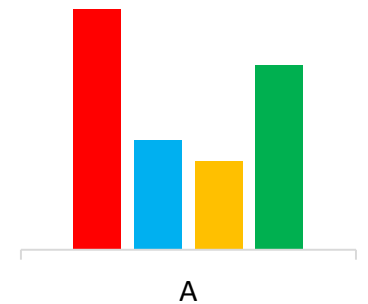
- ▶ Slides on public project site ([CEN/CENELEC](#))
- ▶ Minutes via email to attendees
- ▶ Meeting not recorded



Who is joining us today?



- ▶ Who do you work for?
- ▶ What type of skills/role do you have?
- ▶ Why did you decide to join?
- ▶ Is this your first session?



Project summary

Kiernan Shannon | CCMC (Europe) | Joint Project Leader

What is open source?

CS107251



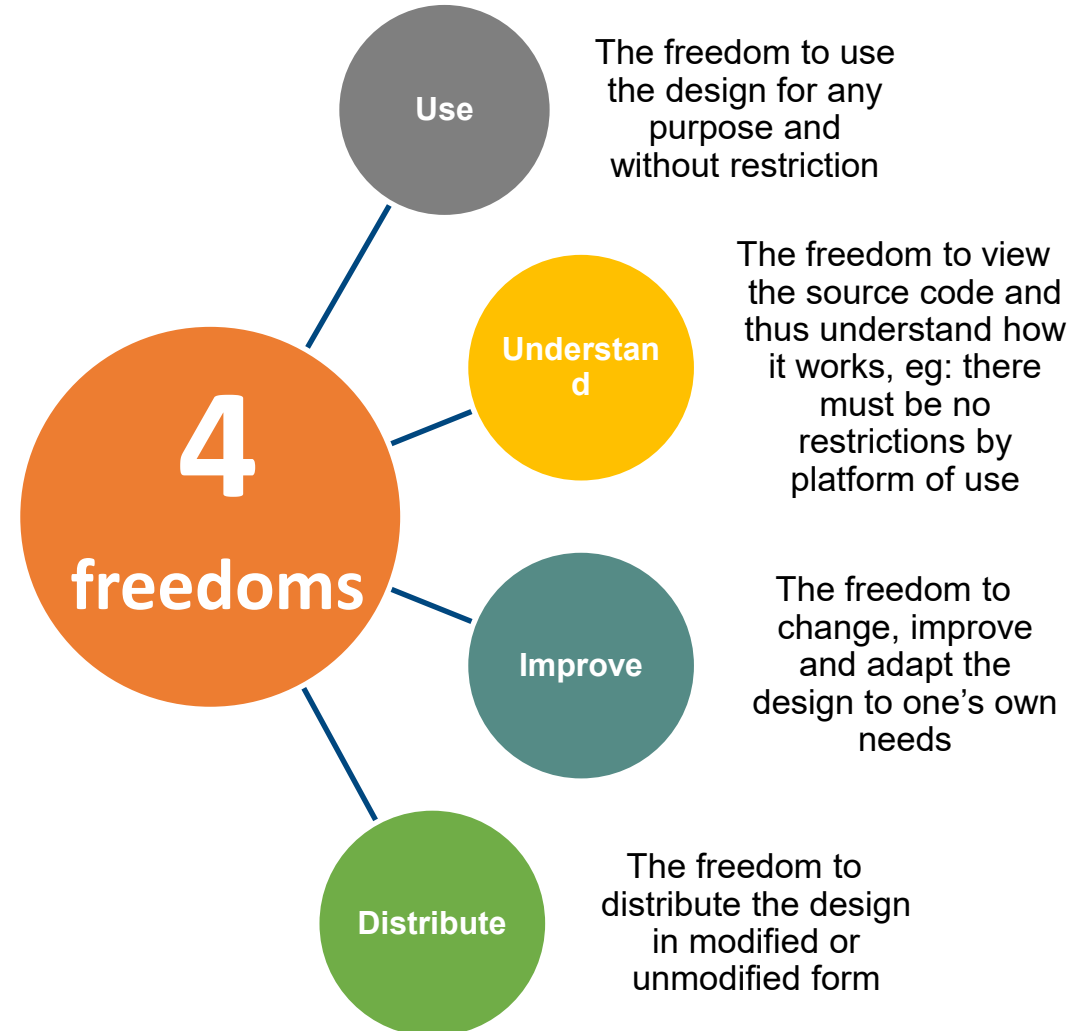
Our understanding of open source

A design (e.g. software) issued under a licence that satisfies certain criteria.

Details:

<https://opensource.org/osd>

We want to bring open source principles into standardisation.



Common misunderstandings

Open Source costs nothing €

People often think... since many open source projects are developed publicly in a community, then open source should not cost anything.

But really... the sale of open source designs is very much permitted and a common business model, although in practice it is almost always sold as a package along with something else like hardware or support services.

You have to return/publish changes



People often think... you have to "give back to the community" or publish changes you make to the code, especially with copyleft licences.

But really... this is a possibility, but not an obligation. It is very much allowed to make private modifications and never share them. Very often, however, companies decide to share with the community anyway, as this can make economic sense.

Examples in standardisation

Electronic Invoicing

- ▶ Reference implementation



A software tool that produces invoices that conform with an EN

- ▶ Testing tool



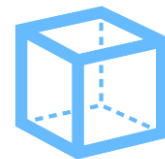
A software tool where you import an invoice and the tool tells you whether it conforms with an EN

Industry 4.0



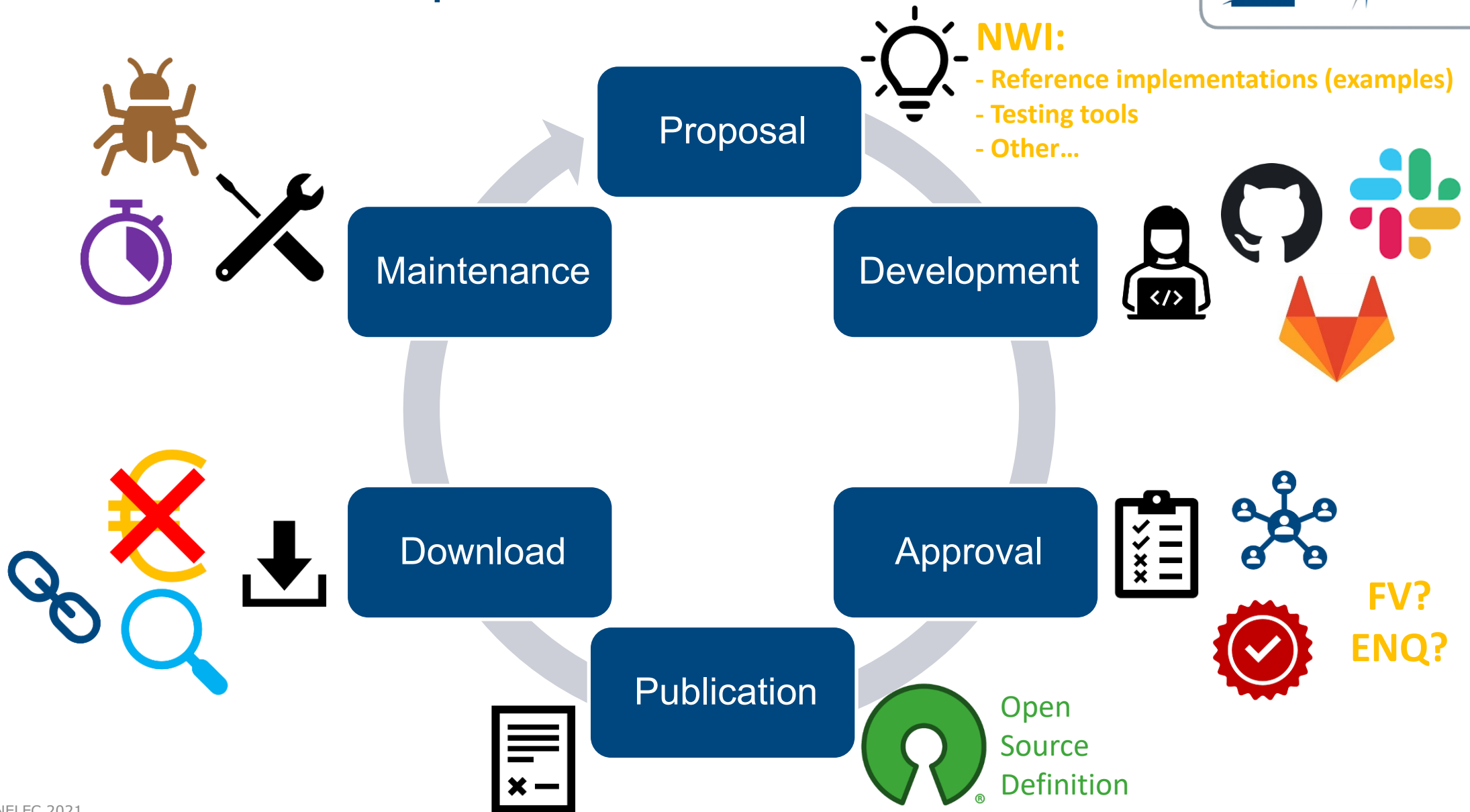
Software to operate a sensor array that produces interoperable data in conformity with an EN

Hardware



Design for a 3D printer that conforms with an EN

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





Goal 2: Our customers and stakeholders benefit from state-of-the-art digital solutions

2.1 Produce standards fit for the digital economy

2.2 Transform the standards development process

2.3 Transforming our business models for the digital era

Project timeline



Technical Solutions

Derek Roche | SESKO (Finland) | Technical Solutions workstream leader

The context & plan so far



- ▶ **Repositories & tools:**
 - ▶ Leverage existing tools
 - ▶ Cloud hosting → flexibility
 - ▶ Central CEN-CENELEC account

- ▶ **Metadata & discovery:**
 - ▶ Search via existing member websites
 - ▶ Link to repository (reference, not copy)

Options being considered

Pilot repositories



▶ GitHub



▶ GitLab



Pilot communication tools

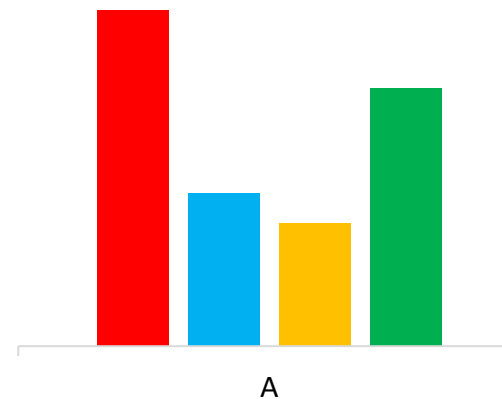


▶ Slack



Questions for you (Zoom polls)

- ▶ Which repository does your community use most? (expand your answer if possible)
- ▶ Do you have experience with open-source standardization development projects?
- ▶ Are you using cloud or on-premise repositories?
- ▶ How detailed should metadata be defined for the pilot project findings to be meaningful?



Participation and Funding

Adrian O'Sullivan | NSAI (Ireland) | Business Model Workstream
Leader

The Context – Participation



- ▶ Explore possible Incentives and motivation for people from Open Source communities like you to participate within standardization
- ▶ Investigate how Standardization can benefit from the skills, tools and Agile development processes from your Open Source Communities via joint participation on CEN-CLC Open Source Solutions.

The Context – Funding

Standards Community Funding Model

Income/Cost Types different per stakeholder and region: e.g membership fees (NSBs/NCs, CSBs & Affiliates, Liaisons & Partners) , EC/EFTA revenue funding.

NSB/NC : Sales of publications, State Funding, Certifications, Membership



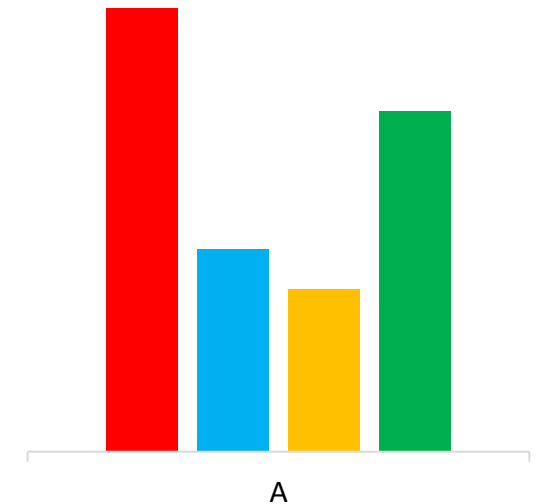
Open Source Community Funding Model

Open Source does not mean free in terms of money. OS Communities have costs to manage such as infrastructure, tools (CI/Compliance/Quality), staff (Program/Marketing/IT/IP etc.), Events, Websites.cc. Foundations fund these costs via Corporate Memberships & Events hosting

How can these extra costs for OSS be offset against new potential incomes for both OS Communities and CEN-CLC members? How can we avoid impacting negatively on existing revenue models?

Questions for you (Zoom poll)

- ▶ Do you see your open source community collaborating with Standards makers from CEN/CLC EN/TR/TS/CWA teams?
- ▶ How do you feel collaboration with CEN/CENELEC would impact your open source community's business model?

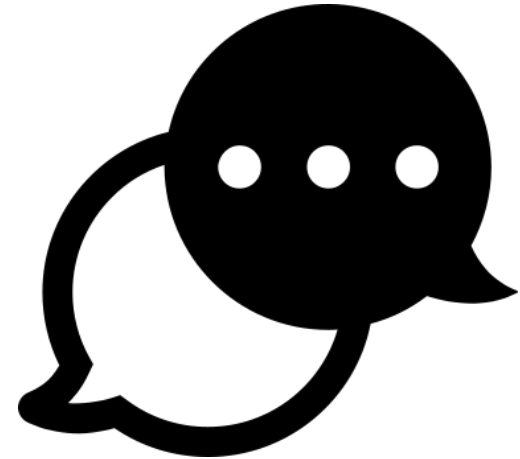


Discussion Point

▶ In a collaboration with standards makers:

▶ What are pain points for you?
potential incentives
successful outcomes

- Please tell us; we'll note that down.
- Any recommended resources to solve pain points or to leverage incentives or to make outcomes more useful?



Licensing and IPR

Adrian O'Sullivan | NSAI (Ireland) | Business Model Workstream Leader

The context

The goal:

- ▶ To accommodate the IPR & Licensing Policies used by Open Source Communities, following the Open Source Definition, while also preserving the core principles of CEN-CLC IPR policies.
- ▶ Formation of the CEN-CENELEC steps needed to facilitate a pathway to Licensing and IPR Policies that can sufficiently enable the cooperation with OS communities.

The challenge:

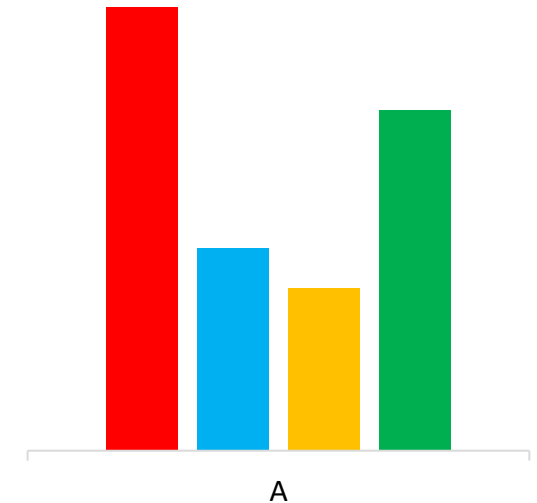
- ▶ How to best integrate the IPR Policy and Licensing within the tool chain used to produce the CEN-CENELEC Open Source Solutions deliverables.

Plan so far

- ▶ Identify a set of OSI approved licenses to be reviewed for their compatibility with the standardization system current IPR rules.
- ▶ Create a policy guidance for dealing with OS within the CEN/CENELEC current IPR Policy framework and identify 'red lines' that could lead to reject an open source licence model.

Questions for you (Zoom poll)

- ▶ Do you feel CEN/CENELEC's existing IP policies may limit your open source community's ability to participate in joint standardisation efforts?

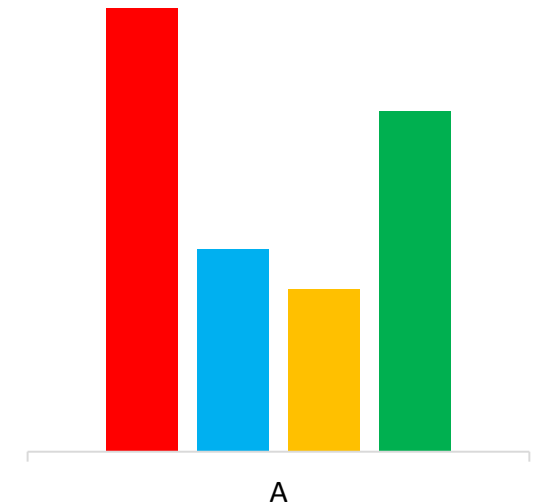


Processes

Martin Häuer | Fraunhofer (Germany) | Operationalization Workstream Member

Questions for you (Zoom poll)

- ▶ Do you have any prior knowledge of CEN/CLC existing processes and policies?
- ▶ Would you contribute to designing new processes for open source solutions connected to standardisation?



Discussion Point

We aim to bring open source communities and standardisation bodies closer together and include open source principles into standardisation processes.

- ▶ How should standardisation work from your perspective?
- ▶ What do you feel would be a successful outcome of this project (CEN/CENELEC "Open Source Solutions")?
(=What do you want us to do?)



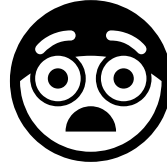
Your views

Shannon Kiernan | CCMC (Europe) | Joint project leader

How do you feel about the project?



Excited
"Bring it on!"



Scared
"What will this mean for...?"



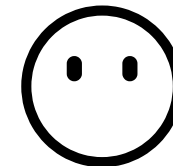
Angry
"But if you do that, then...!"



Interested
"I wonder what will happen"



Confused
"I don't get it"



Other

What do we need to look out for?

▶ What are your biggest fears?



▶ What do we need to manage carefully?



Q&A

A thousand thanks!

Your input will enable an actually useful outcome

Next steps

Amanda Saunders | BSI (UK) | Workshop host

Other upcoming sessions



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Other activities

Are there 2 or 3 volunteers to represent **open source communities** at the Stakeholder Dialogue Forum on 27 October from 2 to 5pm CET?

Does anyone want to join the project team?

Do you want to be on the mailing list?



(Zoom poll)

Are there any additional activities we should plan?
(open discussion)

Any pilot project ideas? Expressions of interest via our website:

<https://experts.cen.eu/key-initiatives/open-source-solutions/> or
<https://experts.cenelec.eu/key-initiatives/open-source-solutions/>

Any other questions etc? Email oss@cencenelec.eu