

European Standardization Organizations

Info Session: General Public

2021-10-11 | Project 4: Open Source Solutions

Agenda

- Welcome (5 mins)
- Project summary (20 mins)
- Technical solutions (20 mins)
- Processes (20 mins)
- Legal & commercial (15 mins)
- Your views + Q&A (up to 30 mins)
- Next steps (10 mins)

Welcome

Amanda Saunders | BSI (UK) | Workshop host

Purpose

Target audience

- ▶ General public – anyone who's interested

Goals of today's session

- ▶ Primarily: inform you of what's happening and why
- ▶ Secondly: ask your opinion on some topics

Other upcoming sessions



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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



Camille Cloître
AFNOR (France)
Operationalization Workstream Leader



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

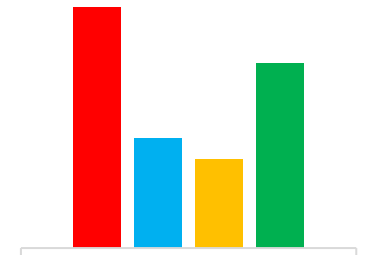
- ▶ Slides and Q&A on public project site ([CEN/CENELEC](#))
- ▶ Minutes via email to attendees
- ▶ Meeting not recorded



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

Shannon Kiernan | CCMC (Europe) | Joint project leader

What is open source?

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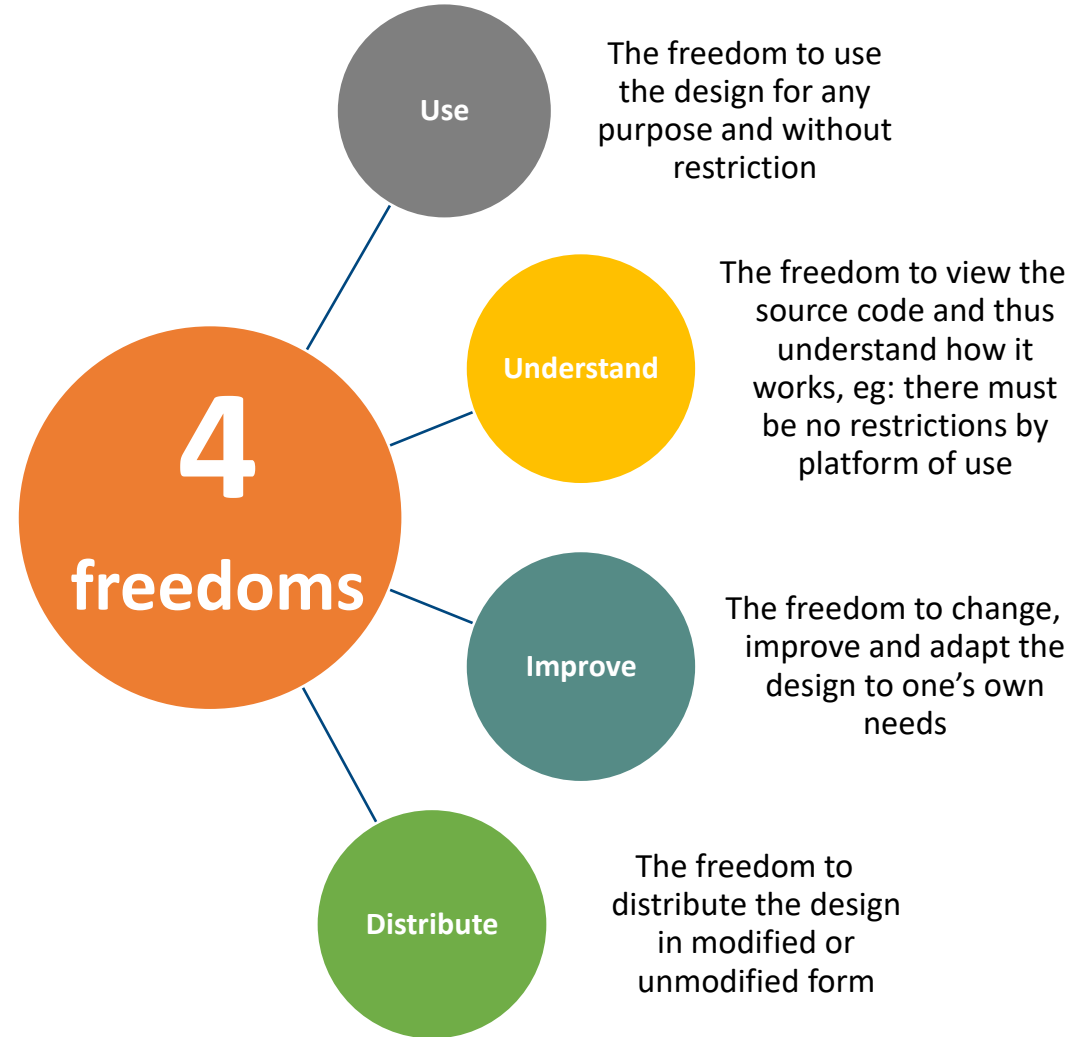


What is open source?

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...



Examples in standardization

Electronic Invoicing

- ▶ Reference implementation



A software tool that produces invoices that conform with an EN

- ▶ Testing tool



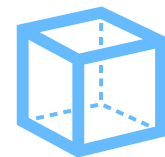
A software tool where you import an invoice and the tool tells you whether it conforms with an EN

Industry 4.0



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

Hardware



Design for a 3D printer that conforms with an EN

Copyleft concept

- ▶ A feature of some open source licences used to ensure the design is always distributed with equal rights.
- ▶ The user must also make the source code available again and grant the same freedoms to use, understand, improve and distribute. If the design has been changed, the source code and rights to all changes must also be made available.



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.

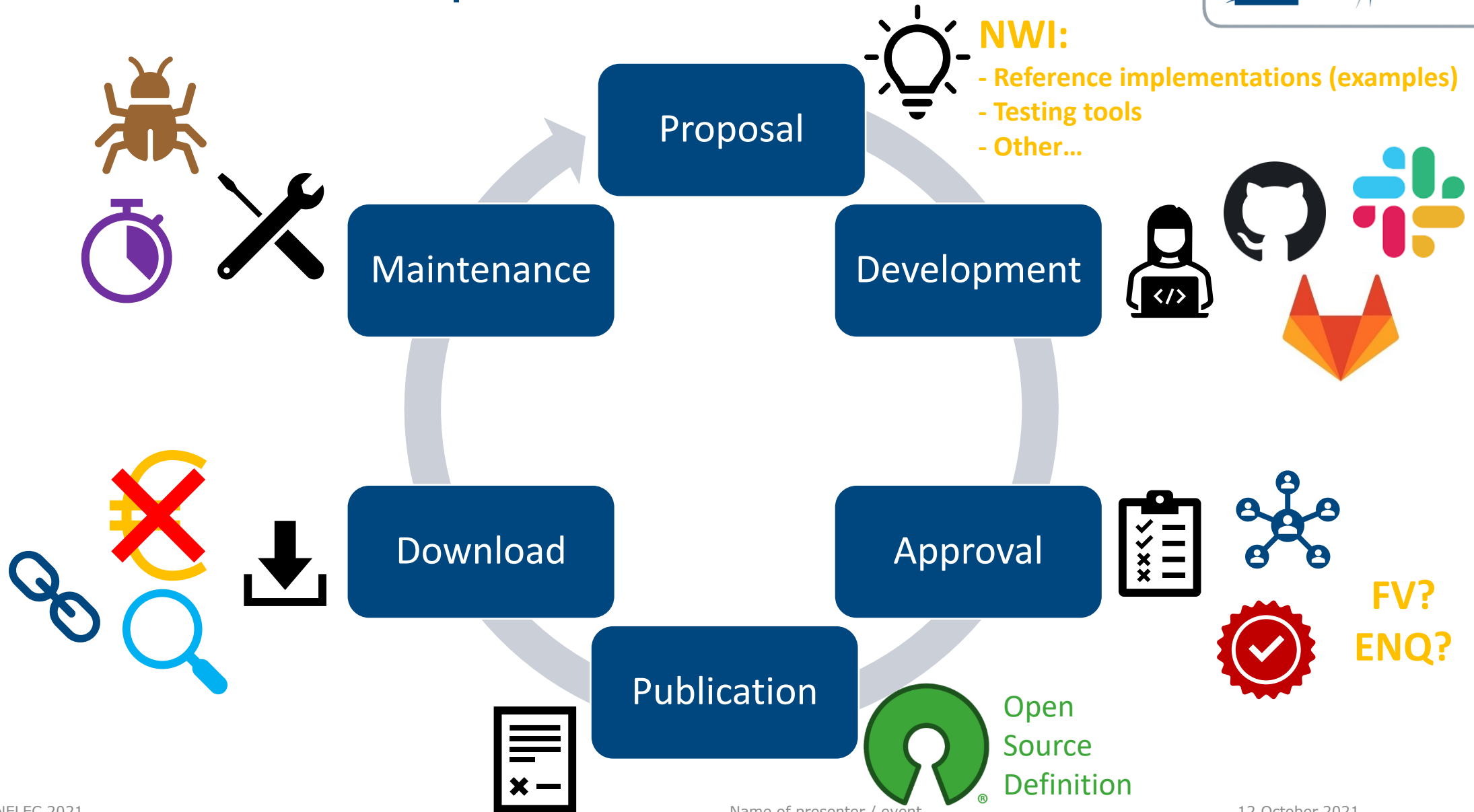
You have to return/publish changes



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.

A framework for Open Source deliverables



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



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

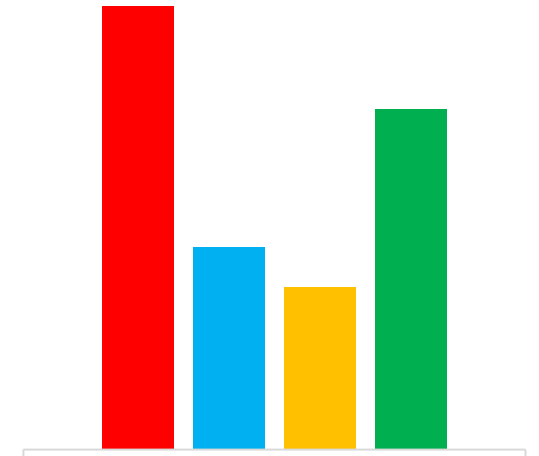


▶ Slack



Questions for you

- ▶ What repository do you **currently** use?
- ▶ What repository would you **like** to use?
- ▶ How complex should the metadata be for the pilot?
(visible when searching on member websites)

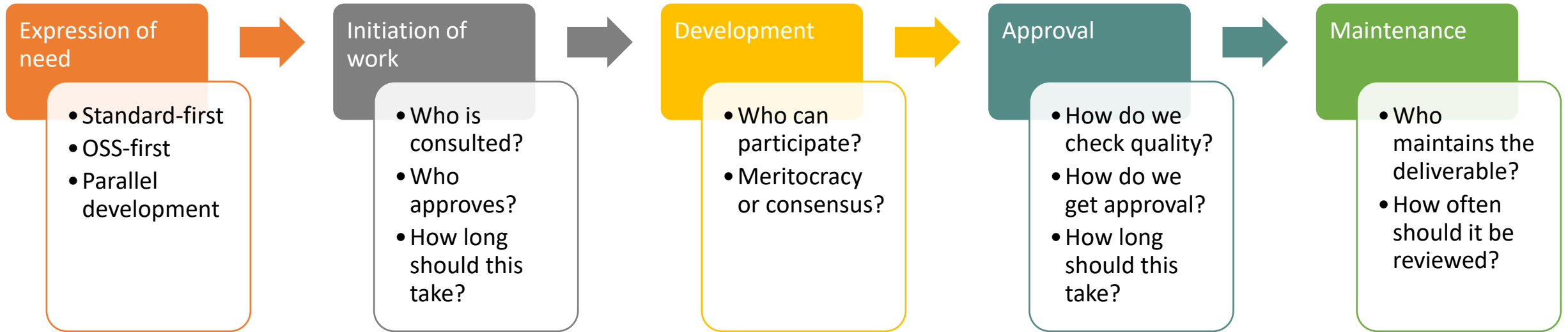


Processes

Camille Cloître | AFNOR (France) | Operationalization workstream leader

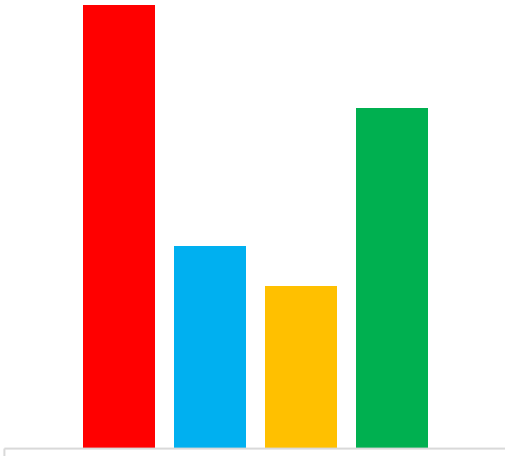
The context

Key questions:



Question for you

- ▶ What process stage do you think is most crucial for success?



Legal & commercial

Adrian O'Sullivan | NSAI (Ireland) | Business model workstream leader

The context & plan so far



Licensing:

- ▶ Shortlist of recommended licences
- ▶ Identify conflicts with CEN-CENELEC's existing policies

IPR:

- ▶ Investigate if a CLA (Contributor License Agreement) is required

Funding:

- ▶ Not from sales, so how?

Team:

- ▶ Partnerships with open source communities?

Options being considered

Licensing – currently examining:

- ▶ Apache 2.0
- ▶ MIT
- ▶ GNU GPL 2.0
- ▶ BSD 2.0 or 3.0
- ▶ European Union Public Licence 1.2
- ▶ List of licences endorsed by FSF and OSI



Funding – currently considering:

- ▶ Sponsorship, eg: EC
- ▶ Pay to participate, like CWAs
- ▶ Exploring how open source communities generate revenue

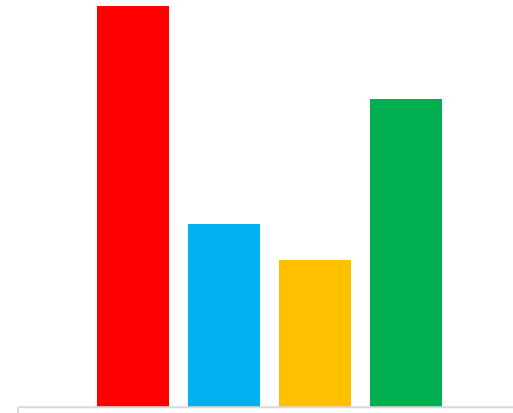


Questions for you (Zoom poll)

- ▶ Would you be willing to sign a CLA (Contributor License Agreement)?



- ▶ Which license types do you think are most compatible with CEN-CENELEC's current IPR rules?



Questions for you (open discussion)

- ▶ Do you think it is possible to accommodate IPR & Licensing Policies used by Open Source Communities while preserving CEN-CENELEC's existing IPR policies?
 - ▶ Why or why not?

- ▶ Would you contribute financially &/or with your time to a CEN-CENELEC deliverable which will be shared under a free/open license?
 - ▶ Any conditions?



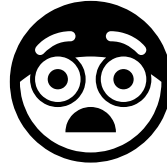
Your views

Shannon Kiernan | CCMC (Europe) | Joint project leader

How do you feel about the project?



Excited
"Bring it on!"



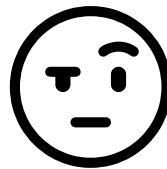
Scared
"What will this mean for...?"



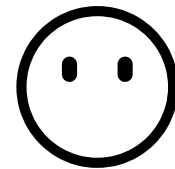
Angry
"But if you do that, then...!"



Interested
"I wonder what will happen"



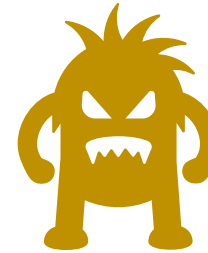
Confused
"I don't get it"



Other

What do we need to look out for?

▶ What are your biggest fears?



▶ What do we need to manage carefully?



Q&A

Next steps

Amanda Saunders | BSI (UK) | Workshop host

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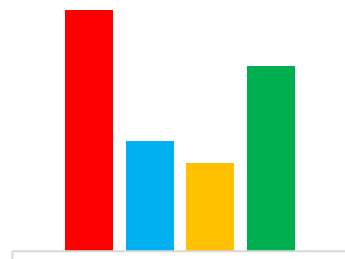
Other activities

Are there 2 or 3 volunteers to represent **general public** 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