Standardisation of

Open Source Hardware

OPEN SOURCE ECOLOGY
GERMANY e.V.

Starting_point

Open Source Hardware

Starting_point

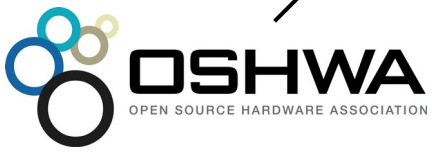
Open Source Hardware

OSHWA
OPEN SOURCE HARDWARE ASSOCIATION

"Open source hardware is hardware
whose design is made publicly available
so that anyone can study, modify, distribute,
make, and sell the design or hardware based on that design."

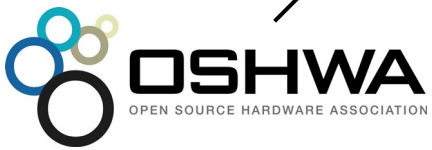
Starting point

Open Source Hardware ✓



Starting_point

Open Source Hardware ✓



Purpose of the source?

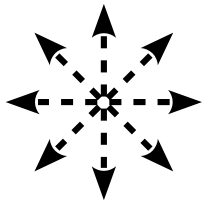
Approach

The 4 Rights of Open Source

Study

Modify

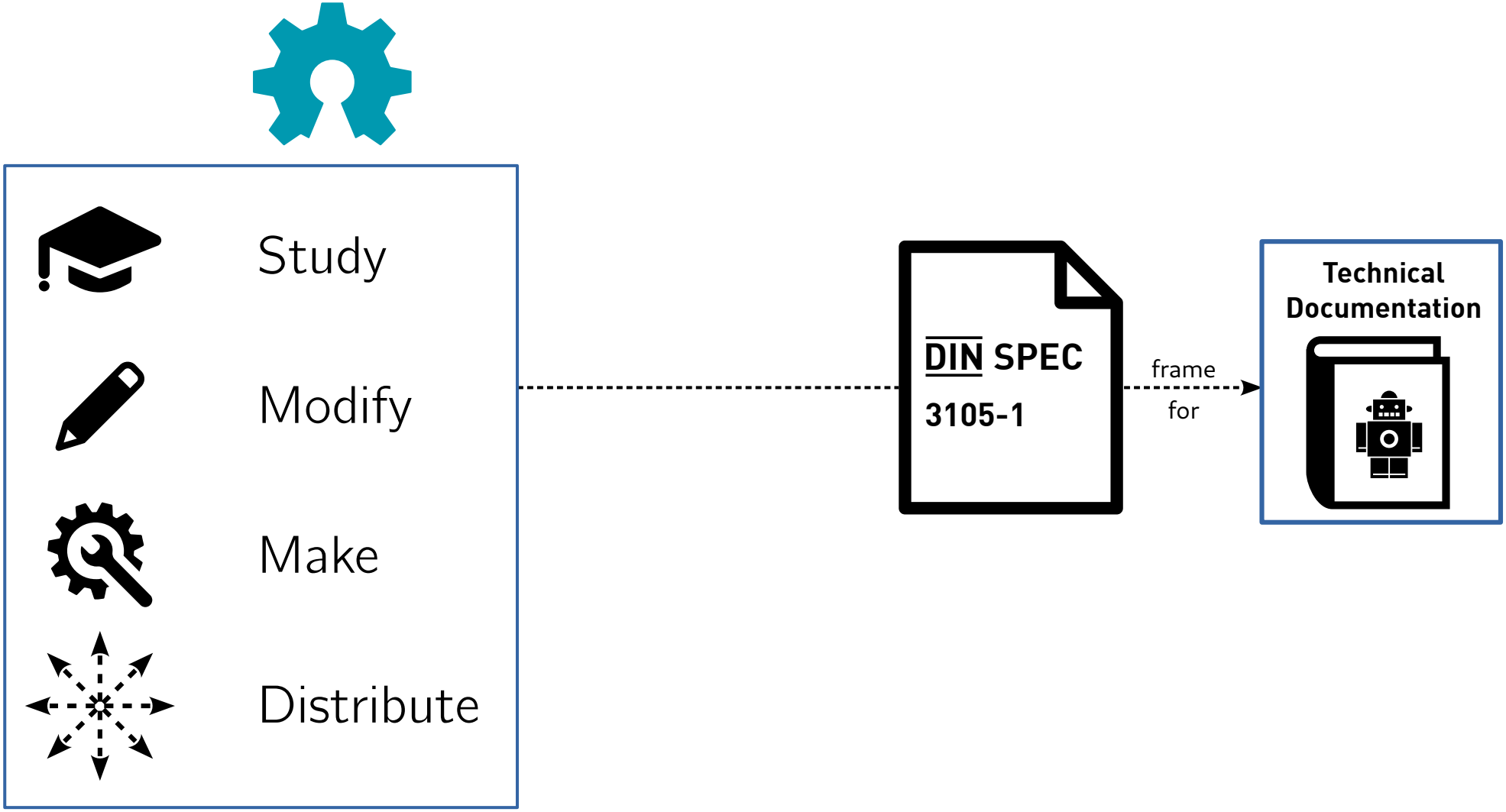
Make



Distribute

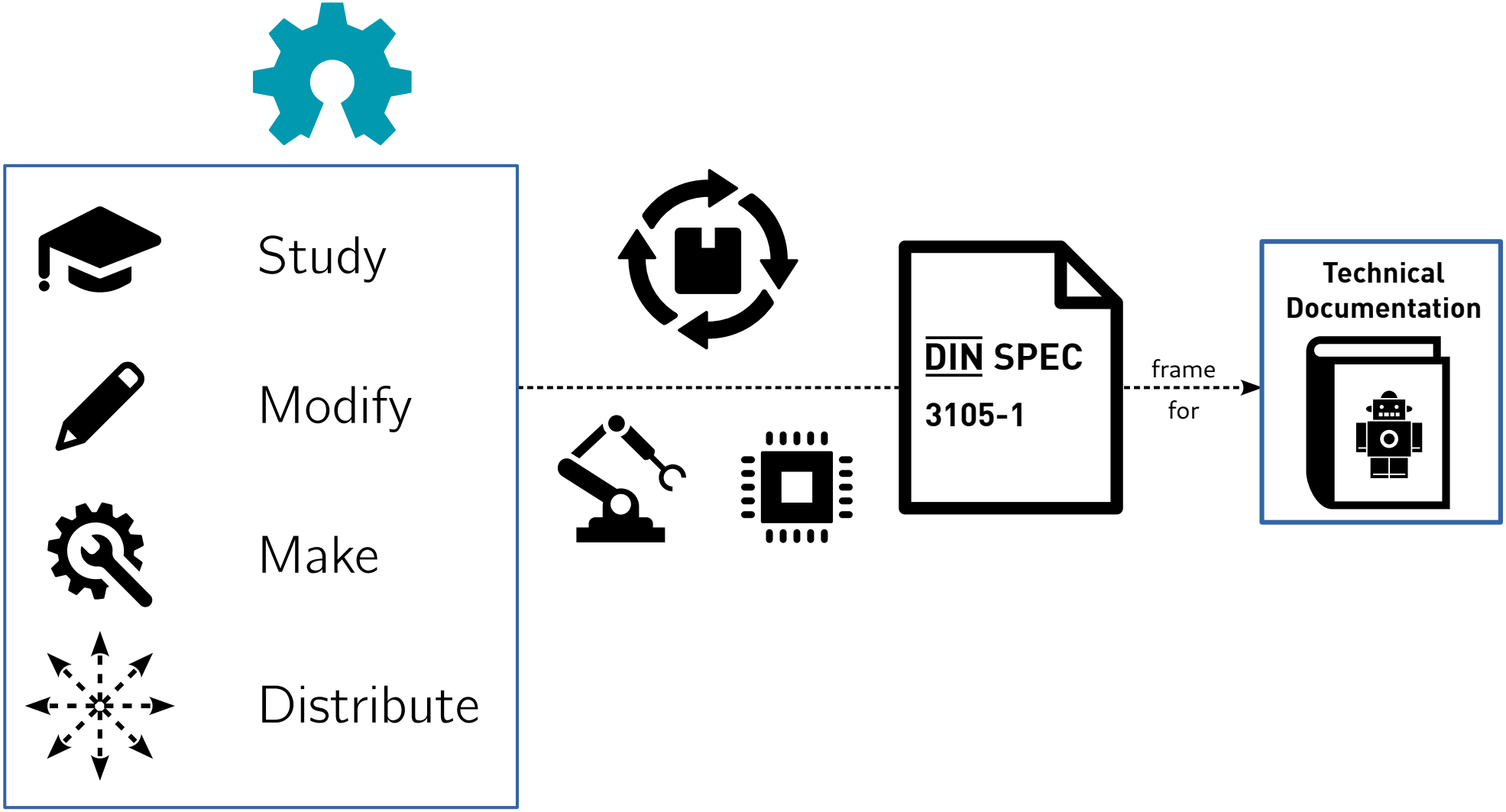
Approach

The 4 Rights of Open Source



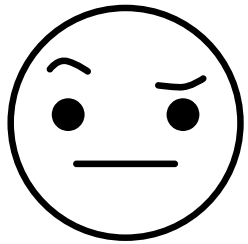
Approach

The 4 Rights of Open Source

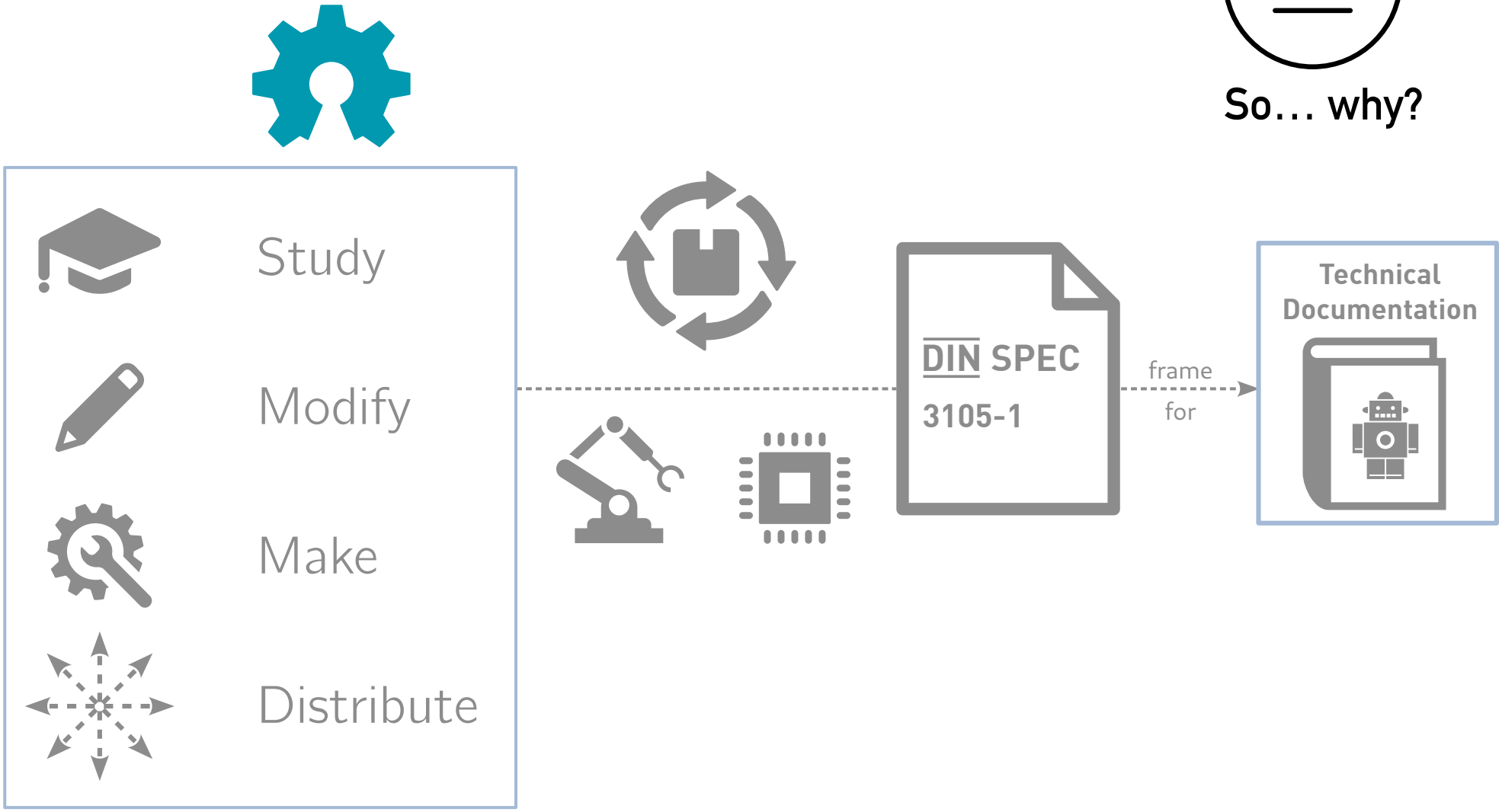


Approach

The 4 Rights of Open Source

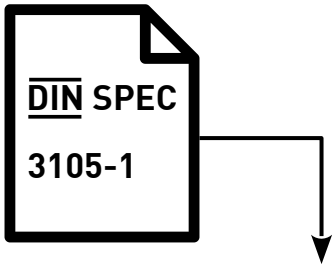


So… why?



Approach

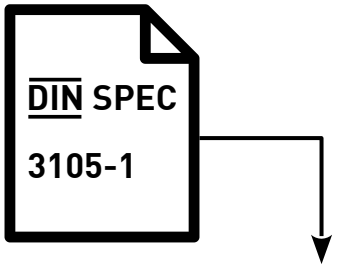
fixing OSH

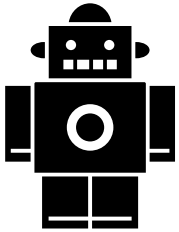


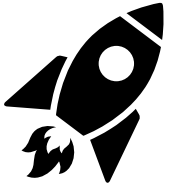
Know, what to share!

Approach

fixing OSH







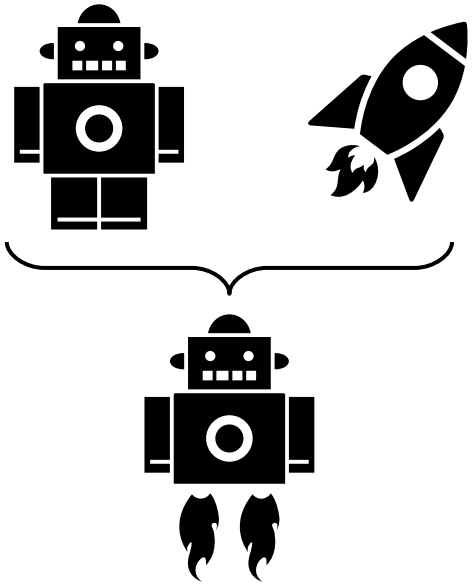
Know, what to share!

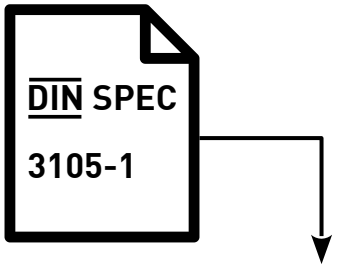
compatible

comparable

Approach

fixing OSH





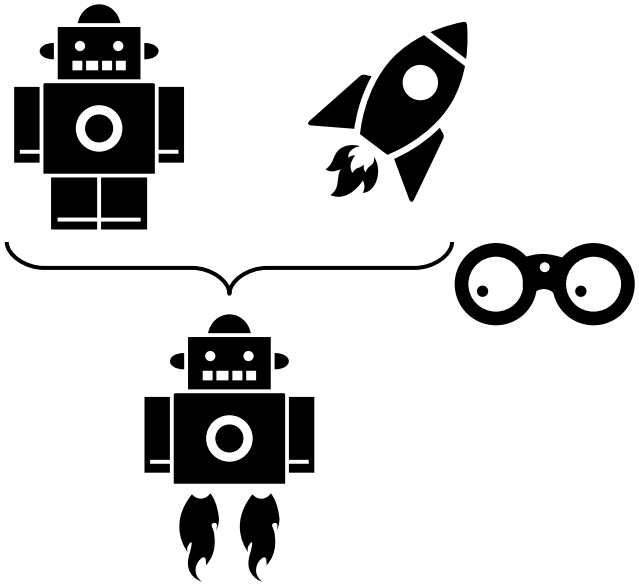
Know, what to share!

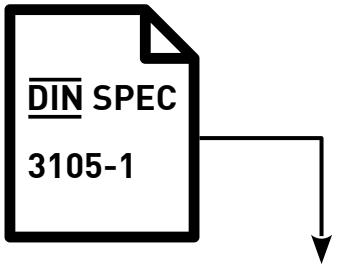
compatible

comparable

Approach

fixing OSH





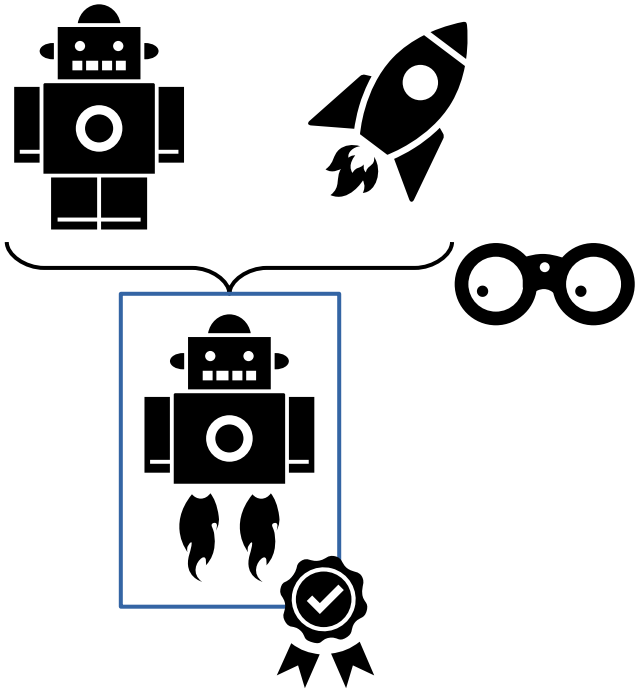
Know, what to share!

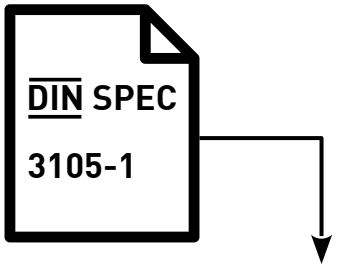
- compatible
- comparable

Find it! (common set of metadata)

Approach

fixing OSH





Know, what to share!

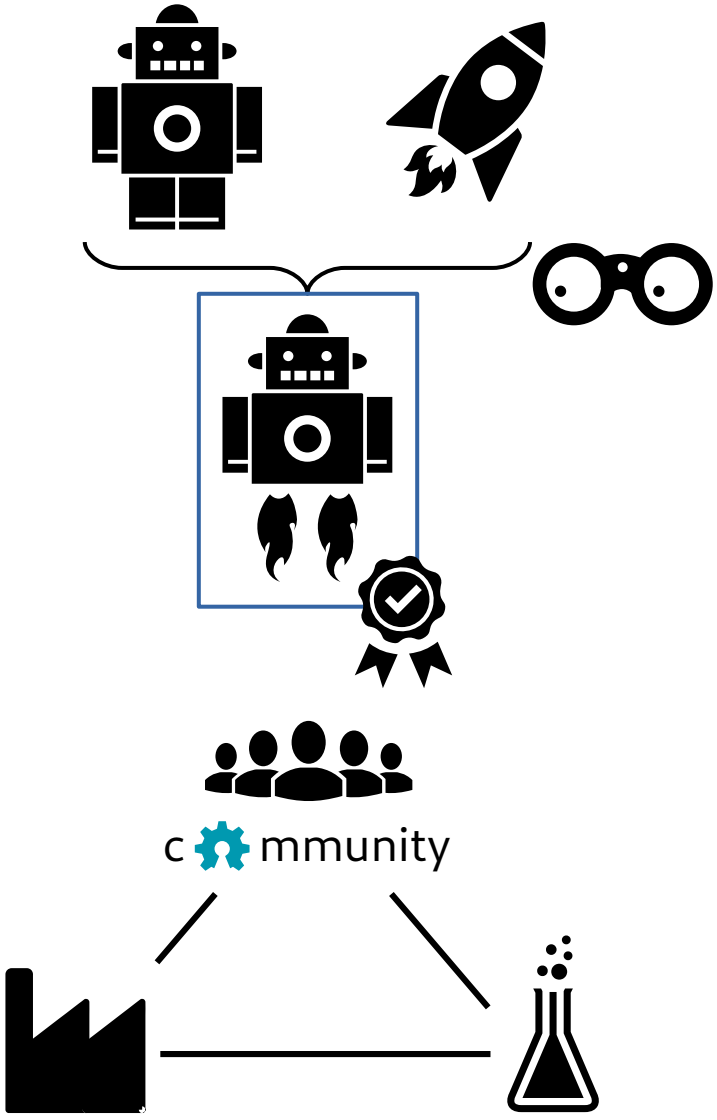
- compatible
- comparable

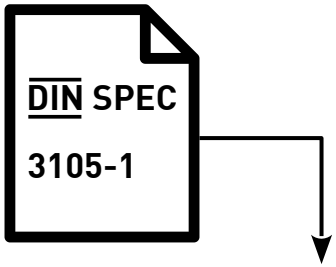
Find it! (common set of metadata)

Trusty, community-based certification

Approach

fixing OSH





Know, what to share!

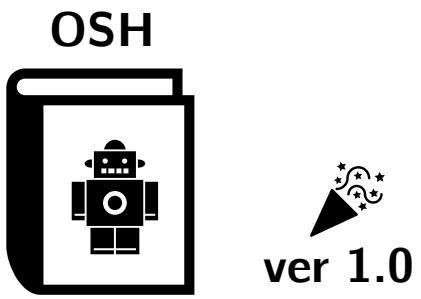
- compatible
- comparable

Find it! (common set of metadata)

Trusty, community-based certification

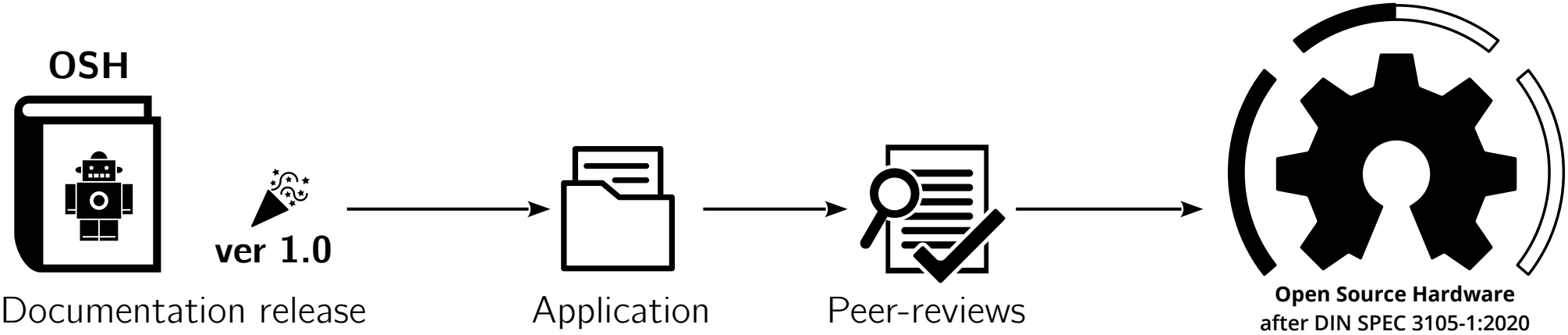
bridge between
community, industry & science

Certification procedure



Documentation release

Certification procedure

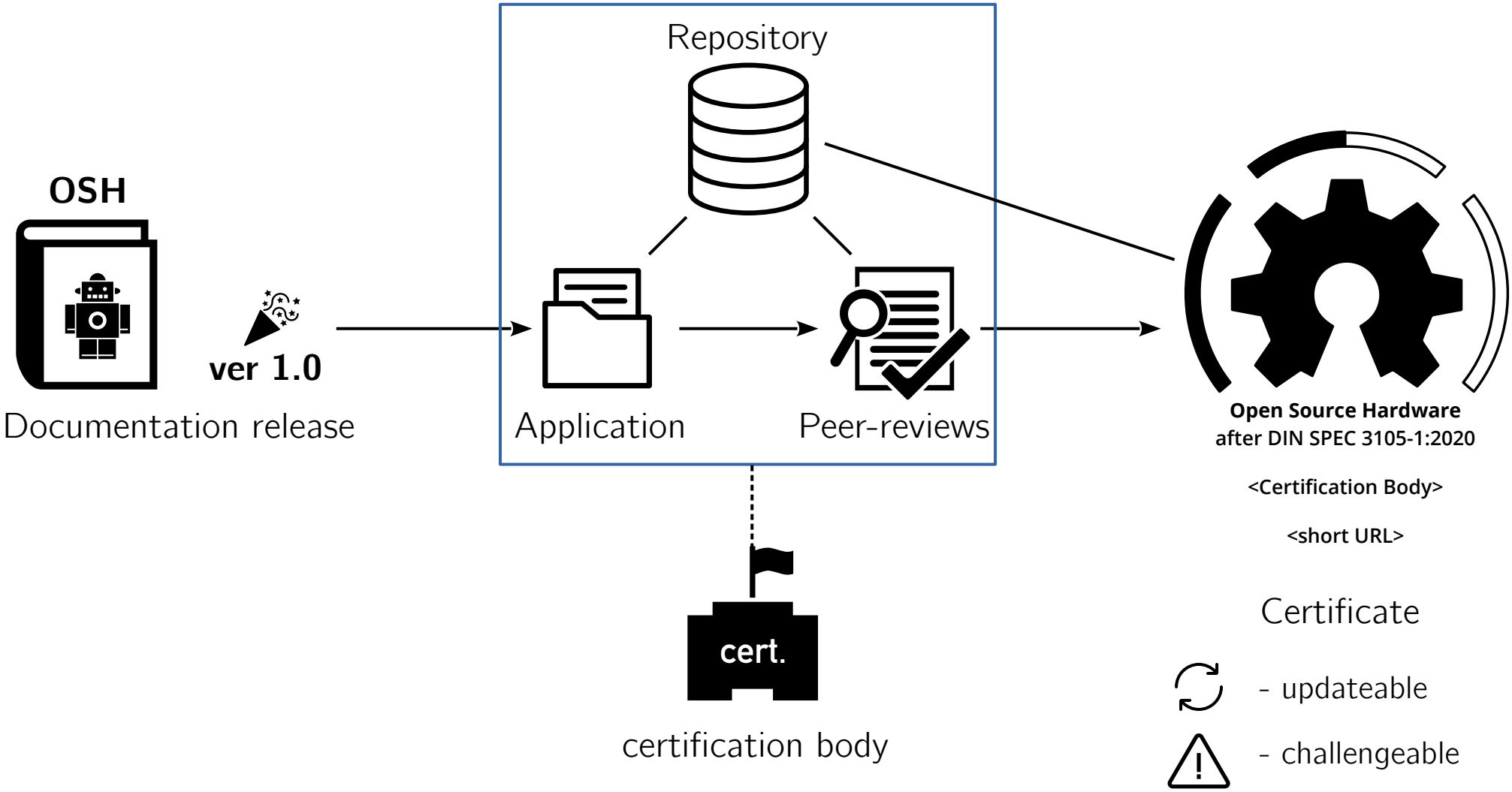


Certificate

- updateable

- challengeable

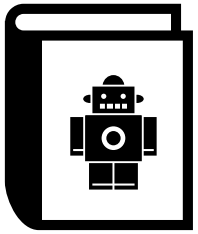
Certification procedure



Context

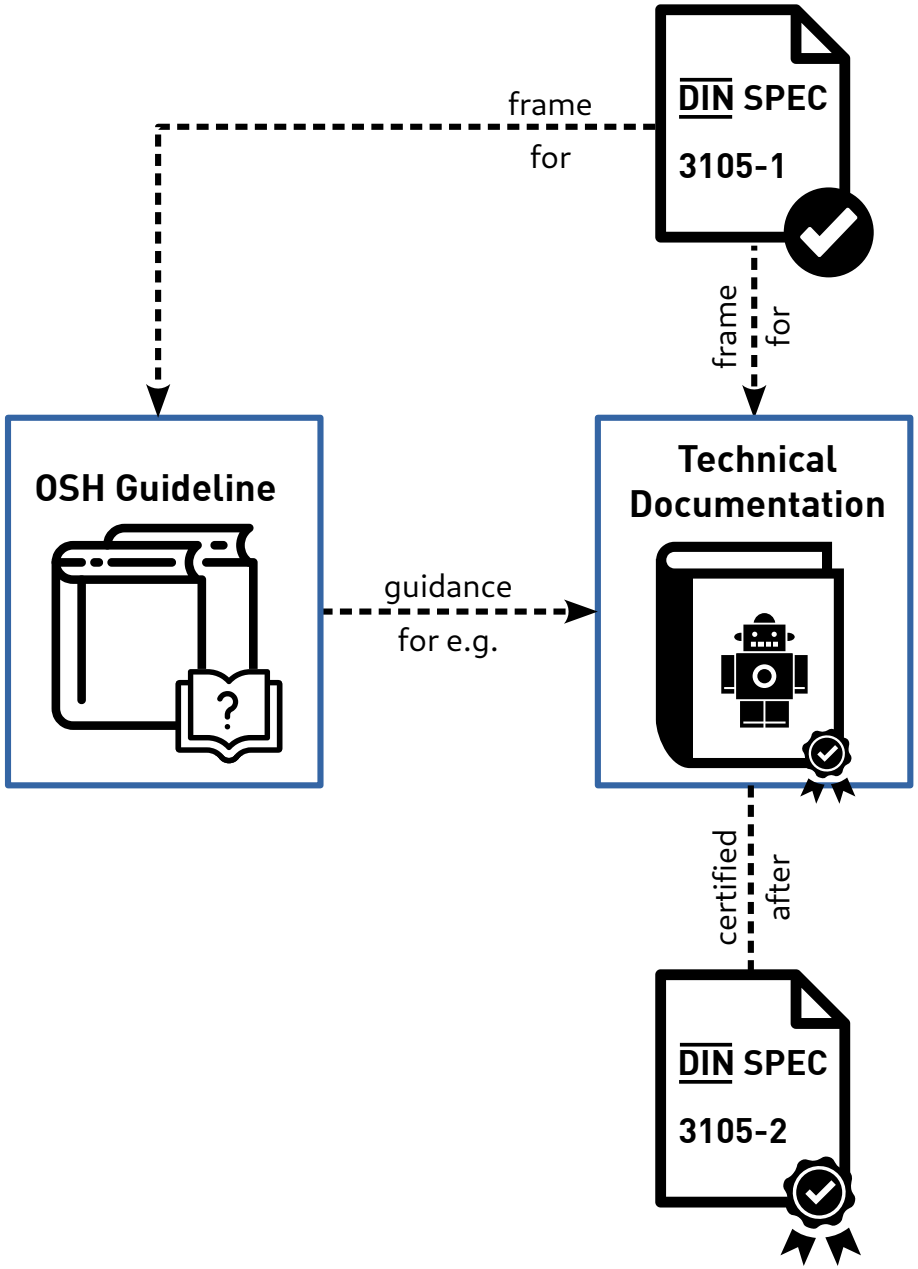
Interaction of documents

Technical Documentation



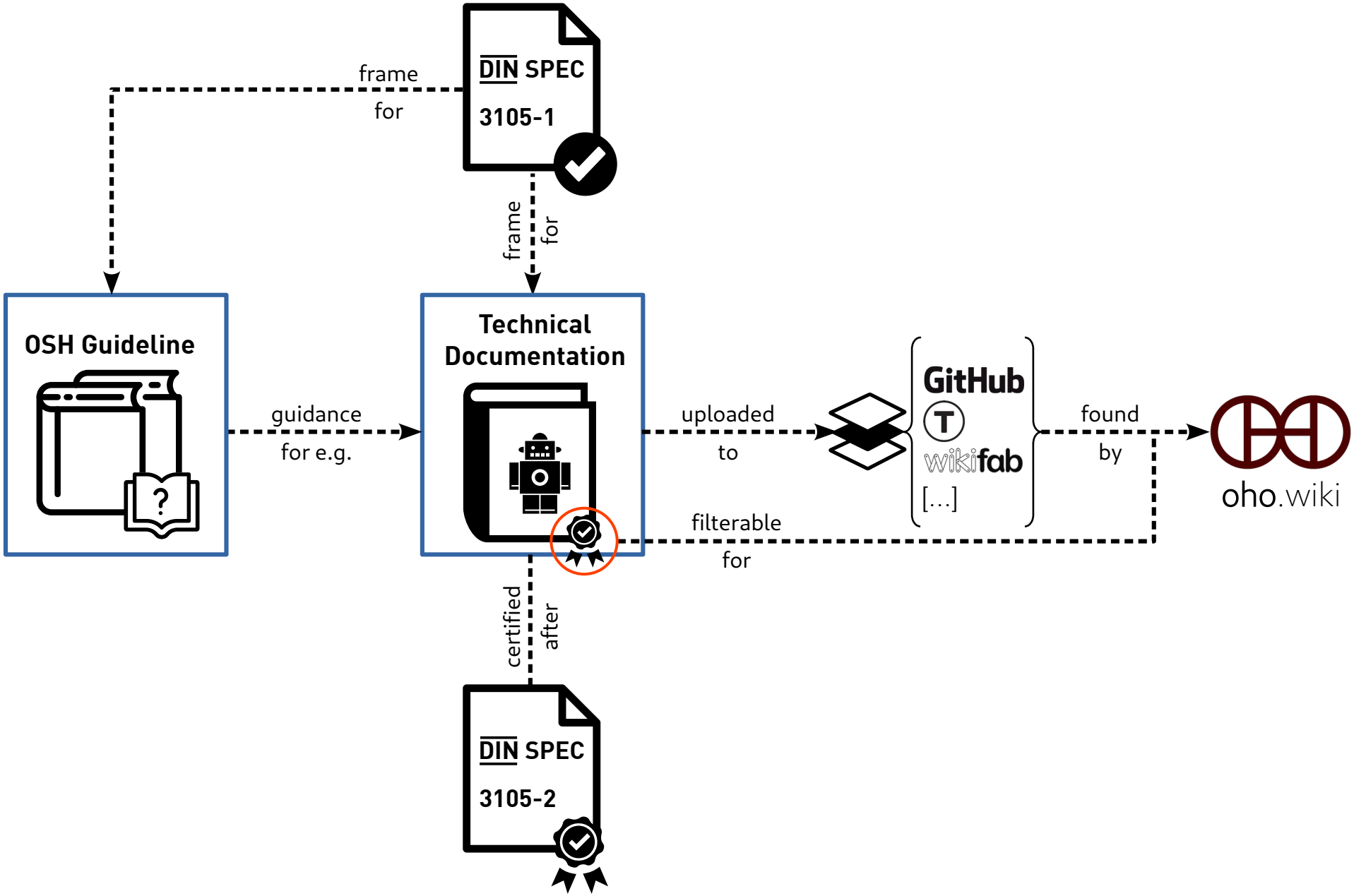
Context

Interaction of documents



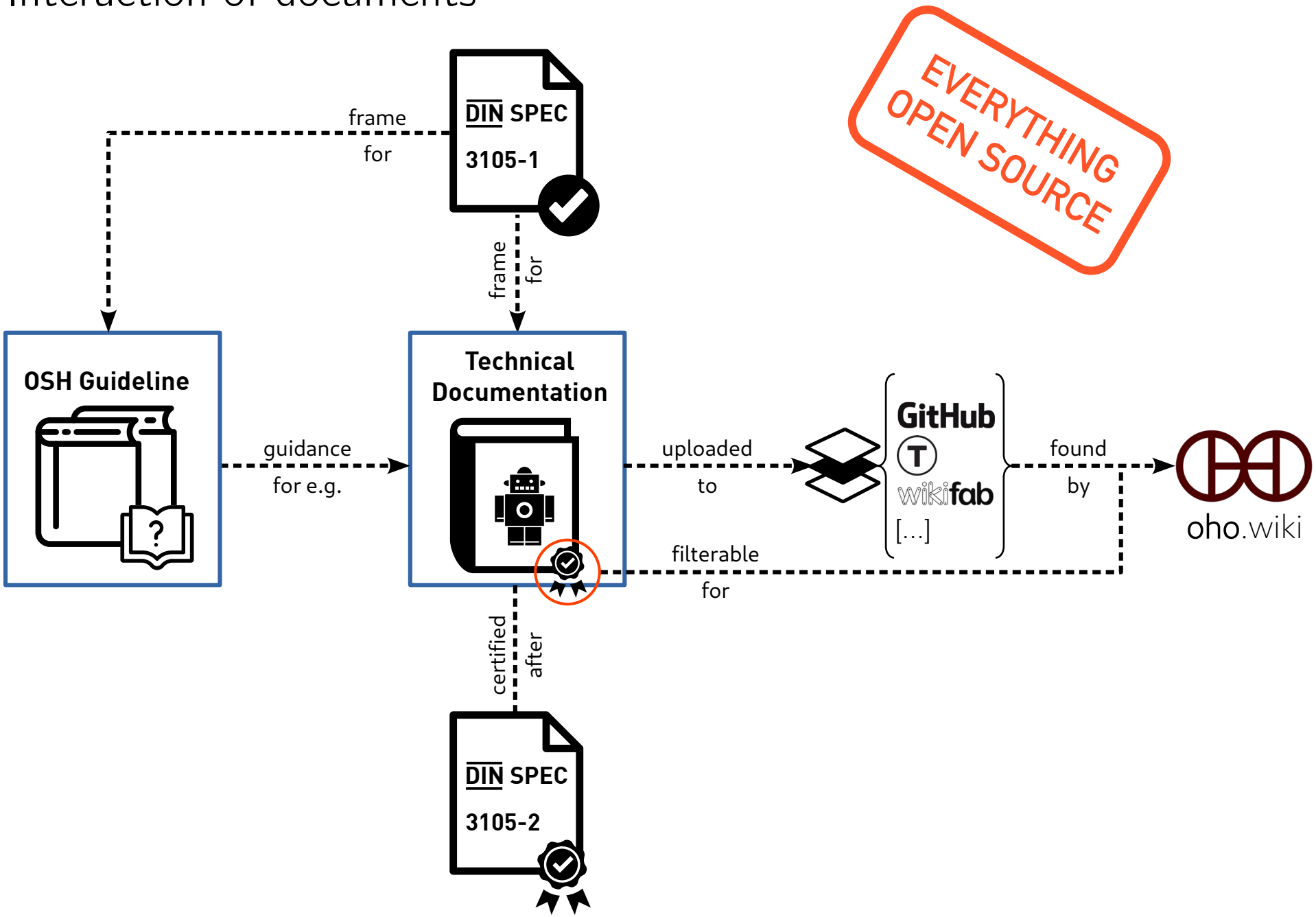
Context

Interaction of documents



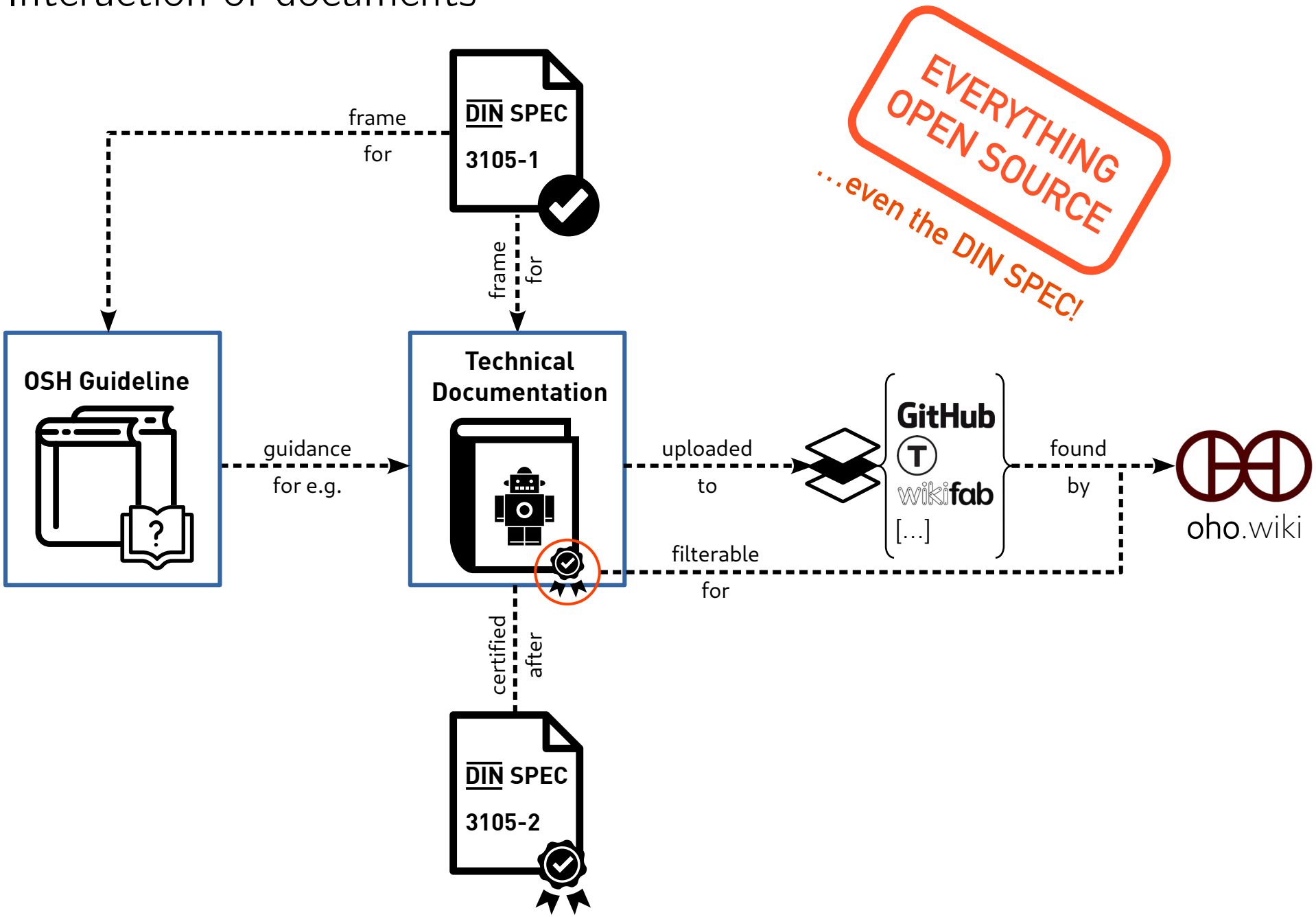
Context

Interaction of documents



Context

Interaction of documents



Thanks for listening.

Now give me your questions.

I like the uncomfortable ones.

They make this project better.

Contact

Martin Häuer

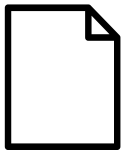
+49 151 28258755
martin.haeuer@ose-germany.de

Open Source Ecology Germany e.V. (non-profit)
Knobelsdorffstraße 22
14059 Berlin - Charlottenburg

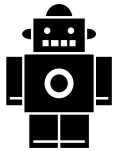
slides can be used under CC BY SA 4.0

List of figures

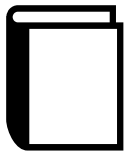
DIN Logo (CC BY SA 4.0, Deutsches Institut für Normung)



page (CC BY 4.0, vigorn)



Robot (CC BY 4.0, Jean-Philippe Cabaroc)



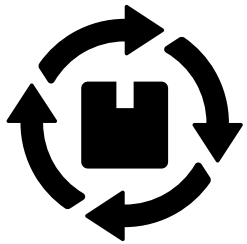
Book (CC BY 4.0, Deemak Daksina)

certified (CC BY 4.0, Matlo)

people (CC BY 4.0, sultan mohammed)

Open source hardware-Logo der open source hardware association
(removed subtitle/changed colour to black; CC BY SA 1.0, Mateo Zlatar)

CC (CC BY 4.0, Creative Commons)

BY (CC BY 4.0, Creative Commons)

SA (CC BY 4.0, Creative Commons)