

How to organize an OpenSource project

MUG-Meeting

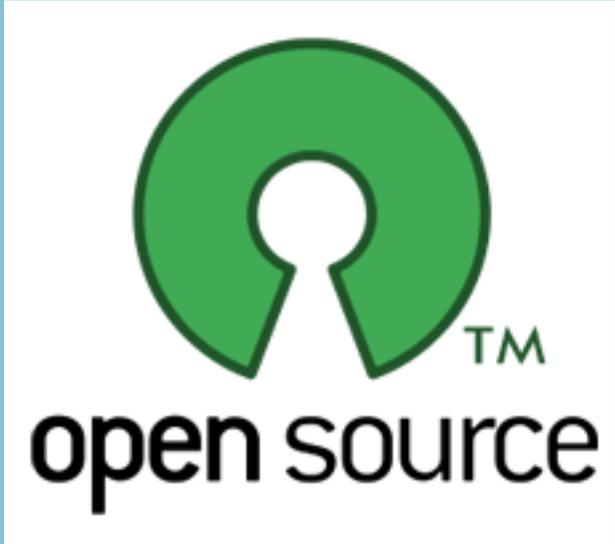
Dr. Tobias Opialla

2021-12-01

Outline

0. Open vs Closed Source
1. What is OpenSource
2. Why is OpenSource necessary in regulatory frameworks?
3. Why is OpenSource helpful in an ecosystem?
4. The structure of an OpenSource project
5. What would it mean for you
6. Voting

Open vs Closed Source

	
Software is freely distributed	Software is sold
Skills and people have to be coordinated	One stop shop
Running the software has to be organized, but on premise	Software as a Service
Every stakeholder can (let) create new features,	Centralized development by one vendor
It is clear how it works	No way to actually know, how it works
No vendor lock-in	If vendor discontinues the product, it dies
No secret Exploits	More security risks

Open source comes from science, where methods and outcomes are shared and described

What is Open Source?



OpenSource Software

- The tools to work with data
- Everyone can see how the tools work
- Everyone can build on the work of others
- Everyone may add needed functionalities (with governance!)



Open Data Standard

- Includes Data Ontologies
- Ensures Meaningful Annotation
- Ensures useful data exchange
- Everyone may add additional fields (with governance!)



Open Data/ FAIR Data

- Freely accessible data
- Meaningfully annotated data
- Interoperable (standardised) data
- Reusable in future additional questions

Some well known examples

- Firefox



- Chrome



- Android



- MySQL



- “The Internet”

Why is Open Source a necessity in regulatory frameworks?

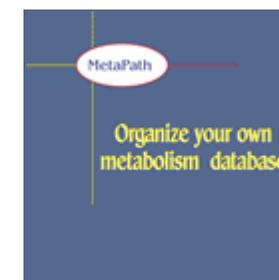
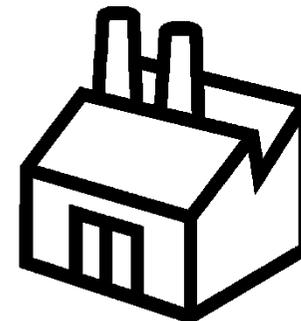
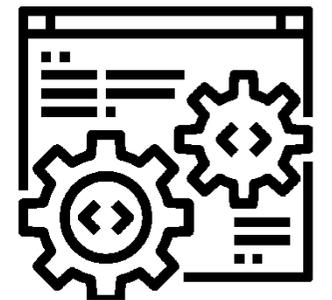
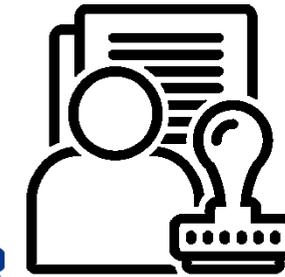
- **Code is law**
- Software is used to aid decisions
- Decisions have to be transparent



Why is OpenSource helpful in an Ecosystem?

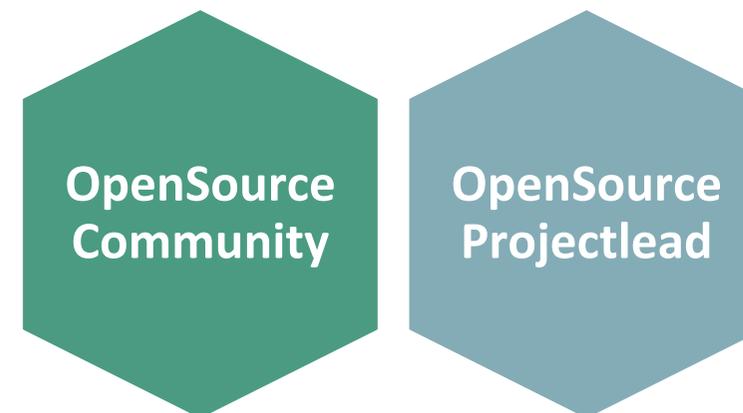
- Many different tools on the market
- Many different players and stakeholders
- Many different levels of processes
- All has to work together
- One can find the specification one needs to know just by reading it.

Only the German side



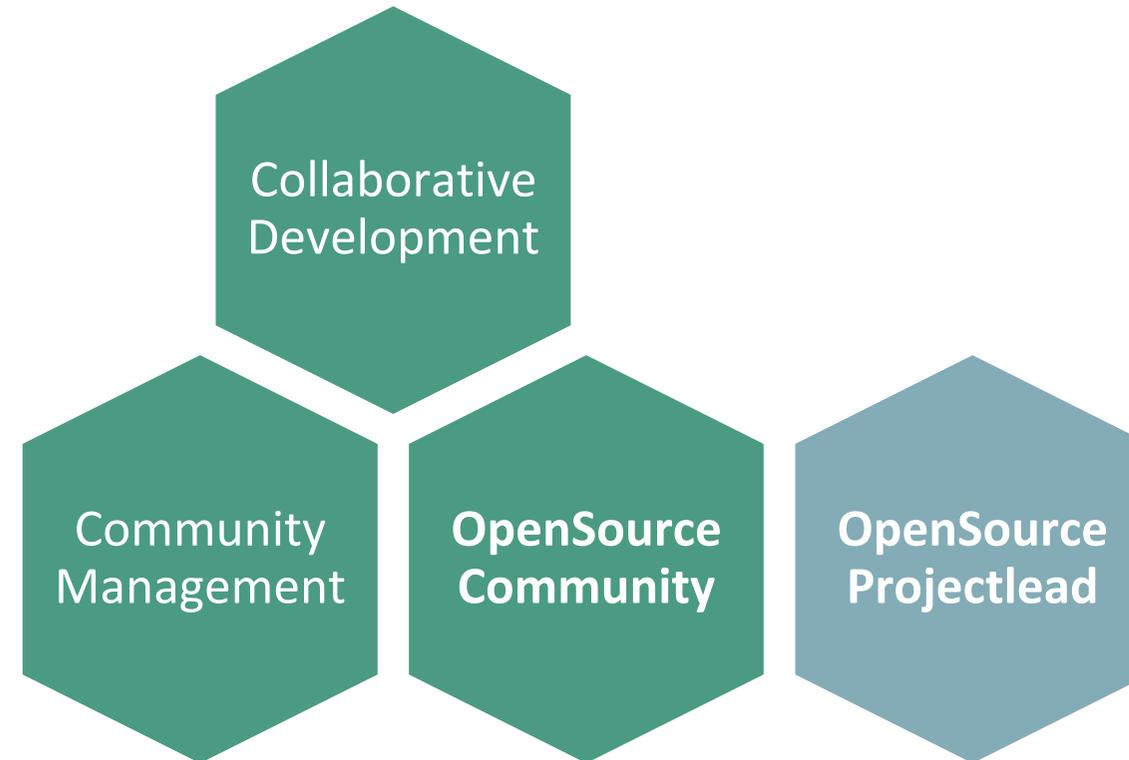
The Structure of an Open Source Project?

- Project lead (OECD? EFSA?)
 - Management/Governance
 - Members Committee
- Community
 - Authorities
 - Applicants
 - NGOs
- Rules
 - Code of conduct
 - Contributor license agreement
 - Coding Styles
 - Frameworks
- Issues
 - Bugs
 - New features
- Wiki
 - Growing documentation



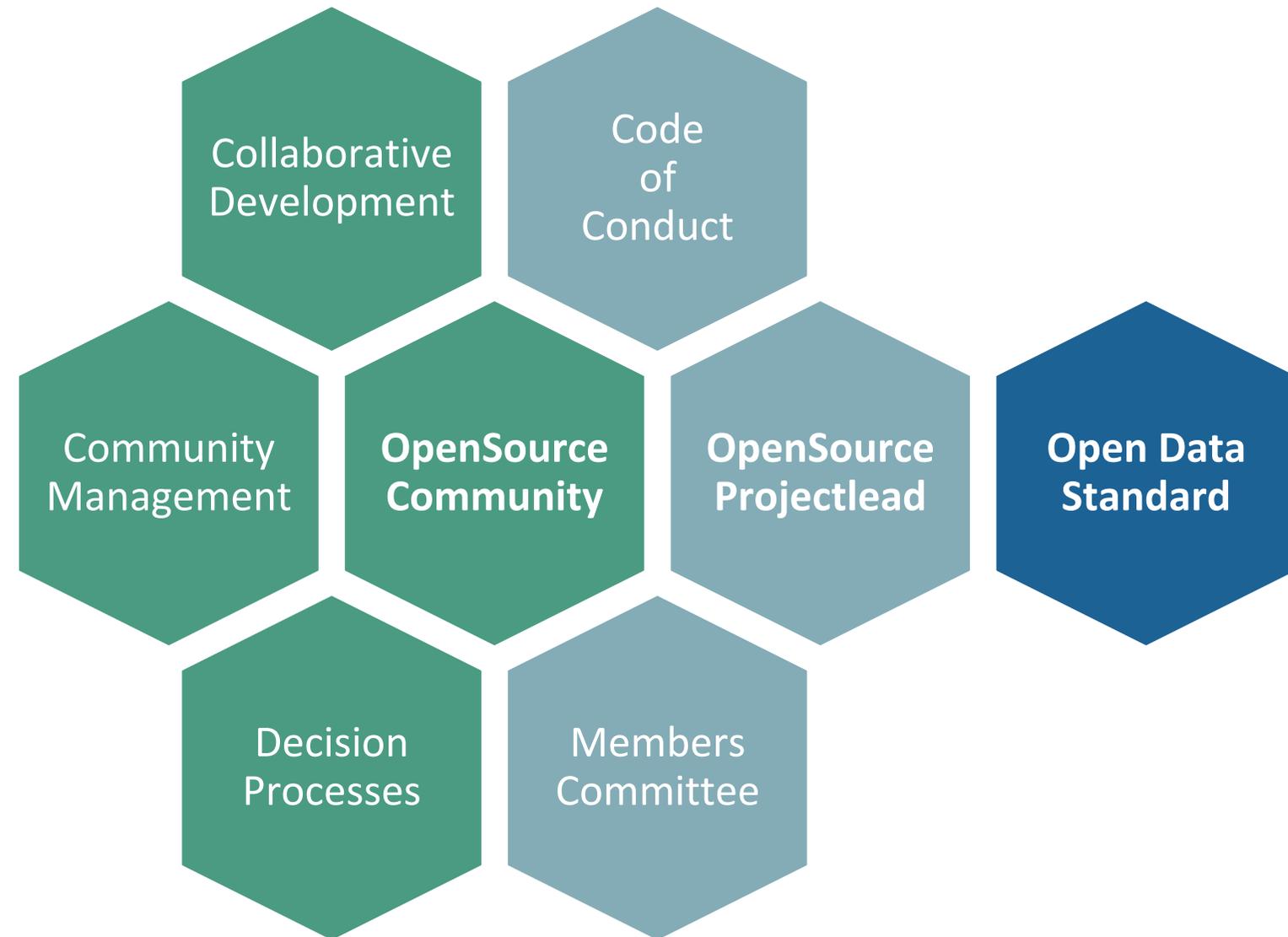
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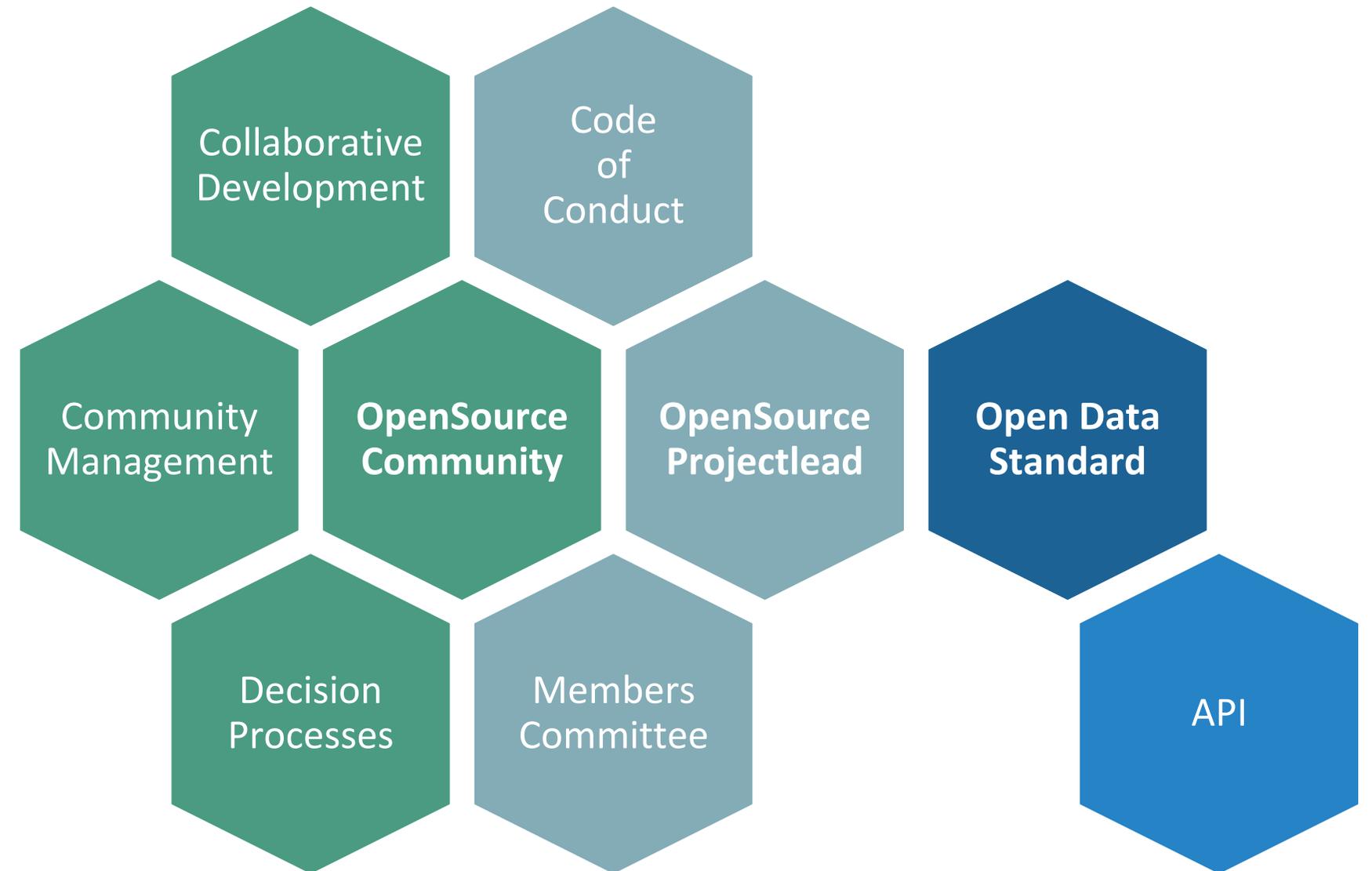
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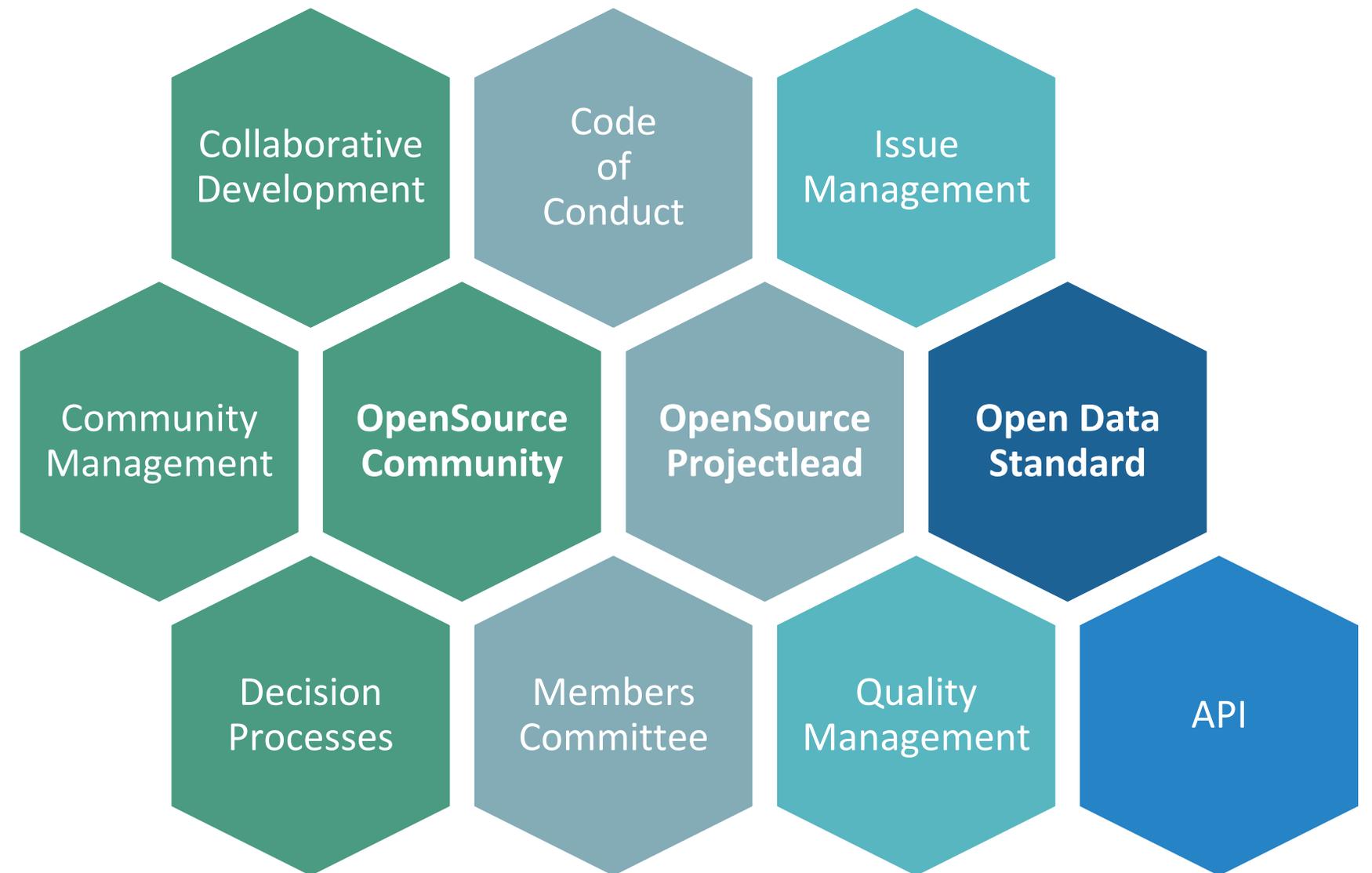
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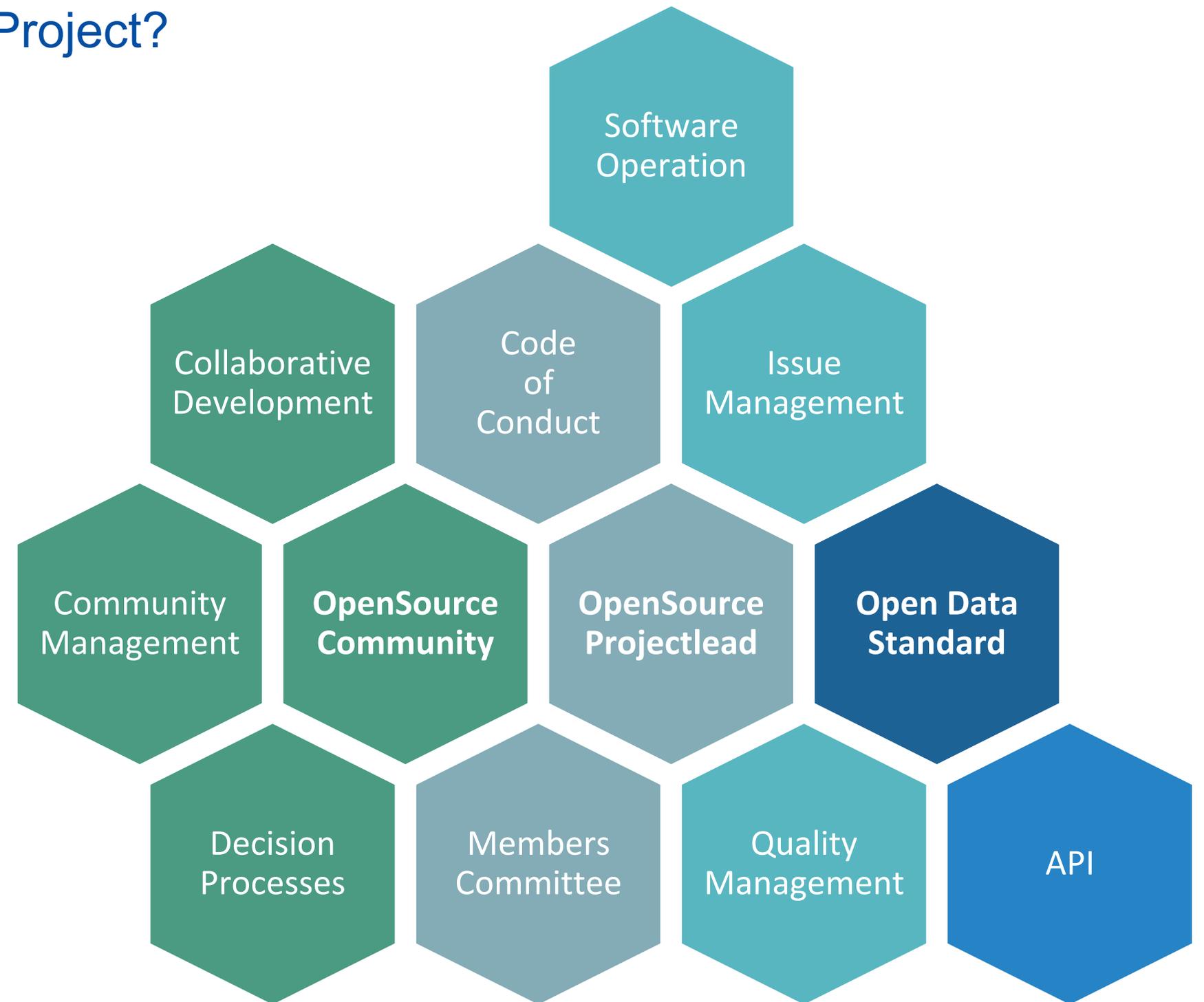
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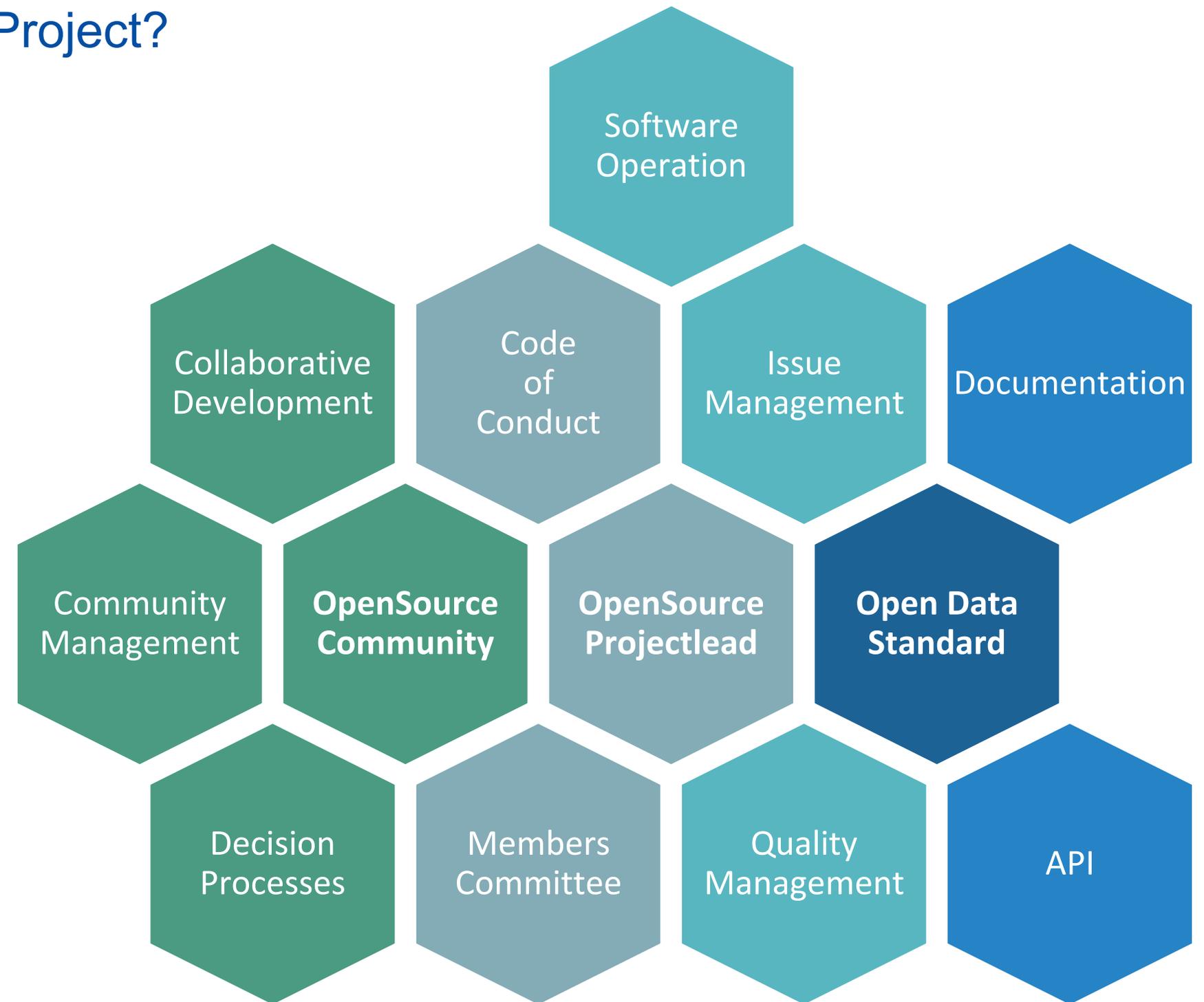
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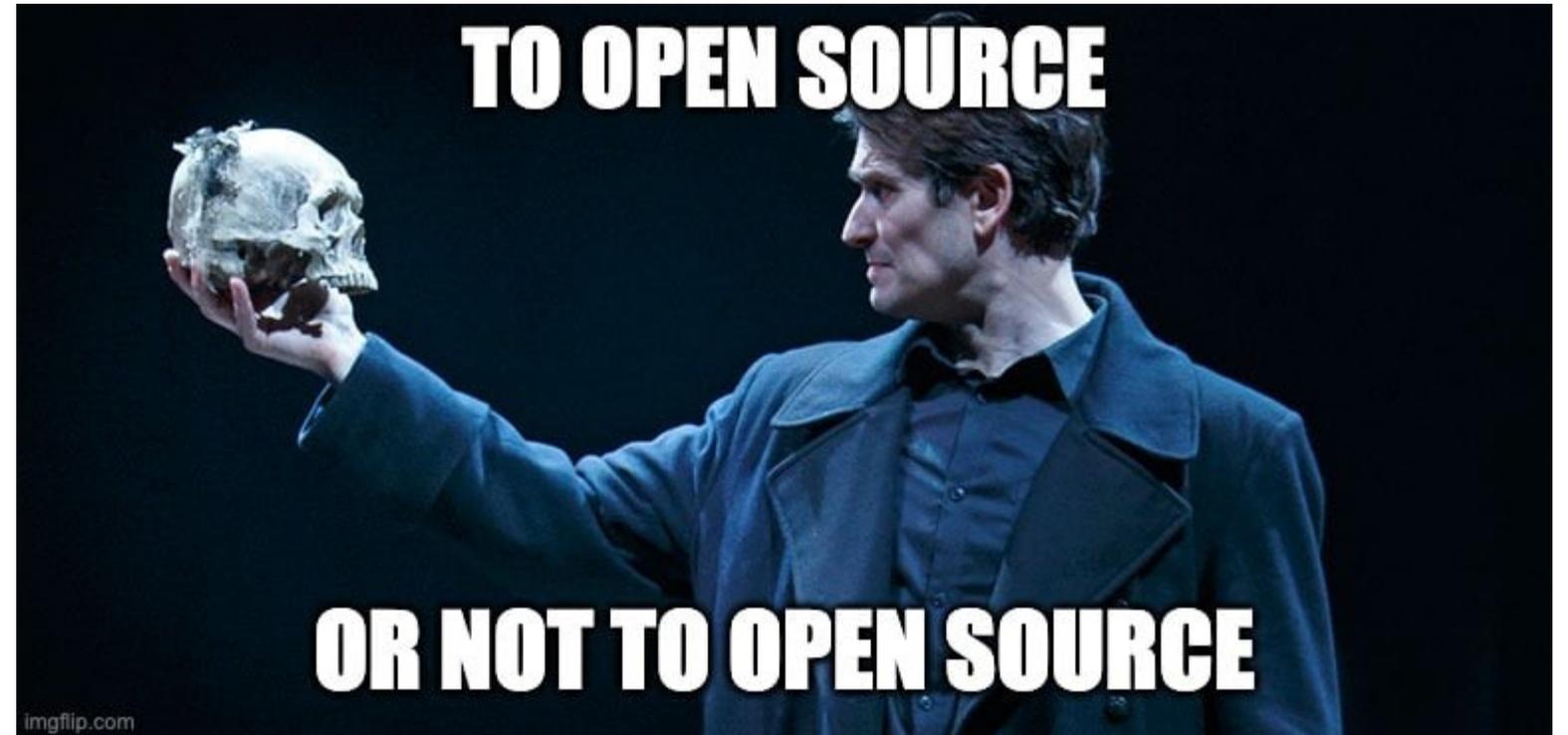
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What would it mean for you?

- Functions can be added or people hired to create them
- It requires effort to keep the project alive, but this applies for closed source as well
- If you want to participate you may change the software to your needs
- If something seems strange about an output you can check why it might be broken (or ask an IT person to do it)



Switch to the voting system now regarding Open Source

Are there any questions? Please use the hand raise in the TEAMS environment.

For statements you could use also the TEAMS chat. The chat will be recorded. **So no idea is lost.**

Do you think that an open source project could be an adequate organizational format?



Thank you for your attention

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