

# A FAIR Digital Object Lab Software Stack

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# Applying the FAIR DO concept



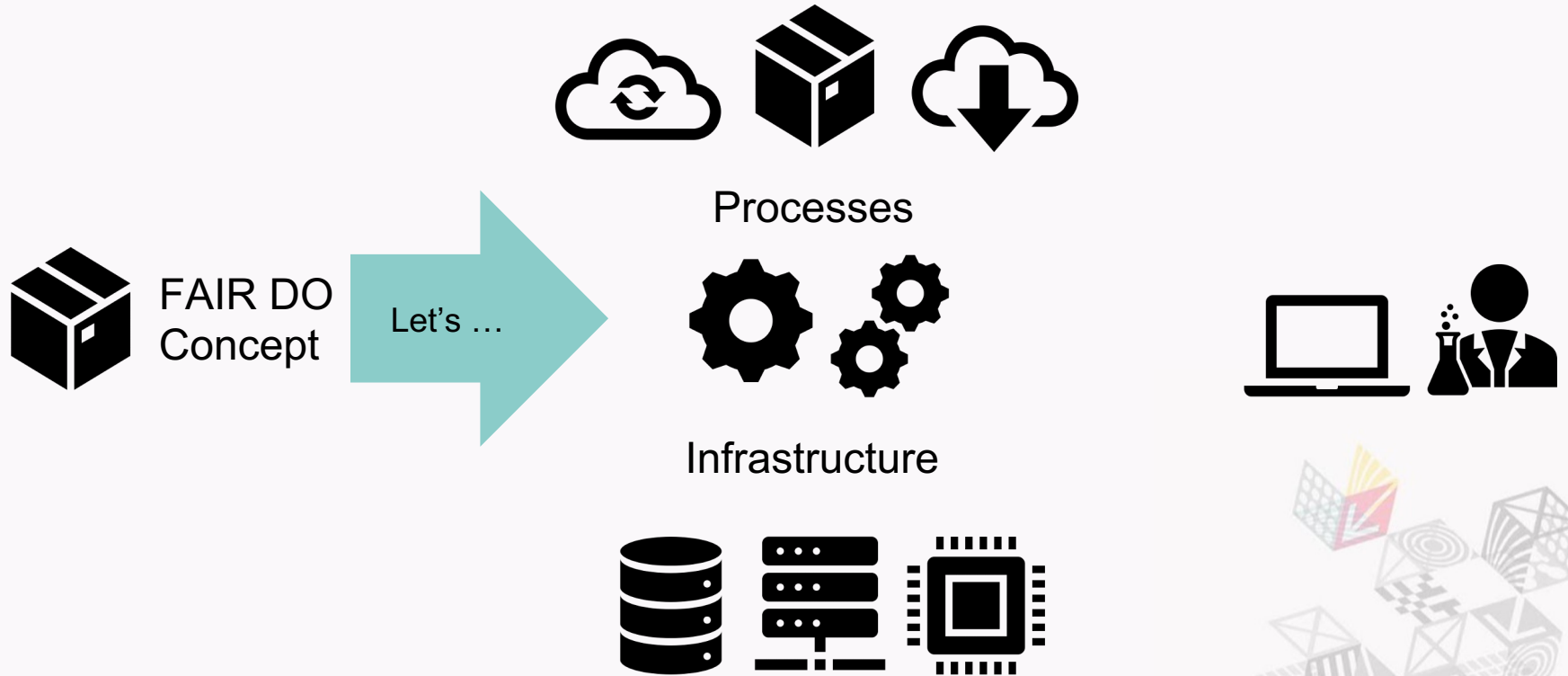
FAIR DO  
Concept



Let's apply the concept!



# Applying the FAIR DO concept is hard



# What exactly to apply? How to apply it?



FAIR DO  
Concept

Let's ...



Offer  
integrable  
building blocks

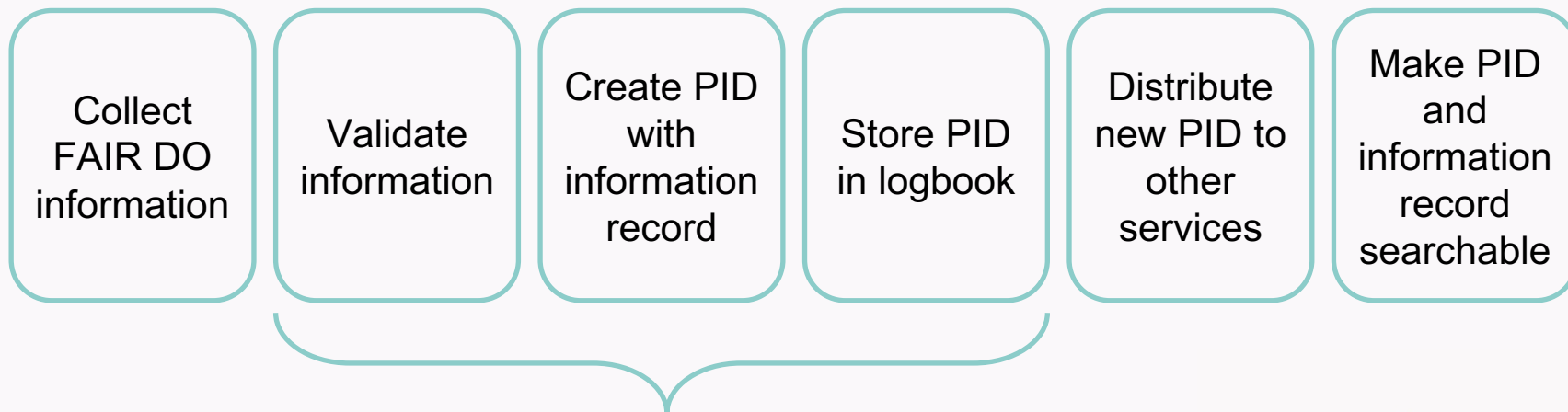
Infrastructure



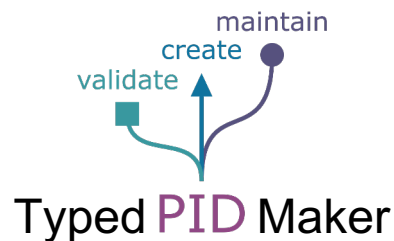
Define generic,  
technical FAIR DO workflows



# Example: “Create a FAIR DO” workflow (simplified)



Software Stack



RabbitMQ

Indexing-service

elastic

# Applying FAIR DOs in practice – our approach

generic, technical  
FAIR DO workflows



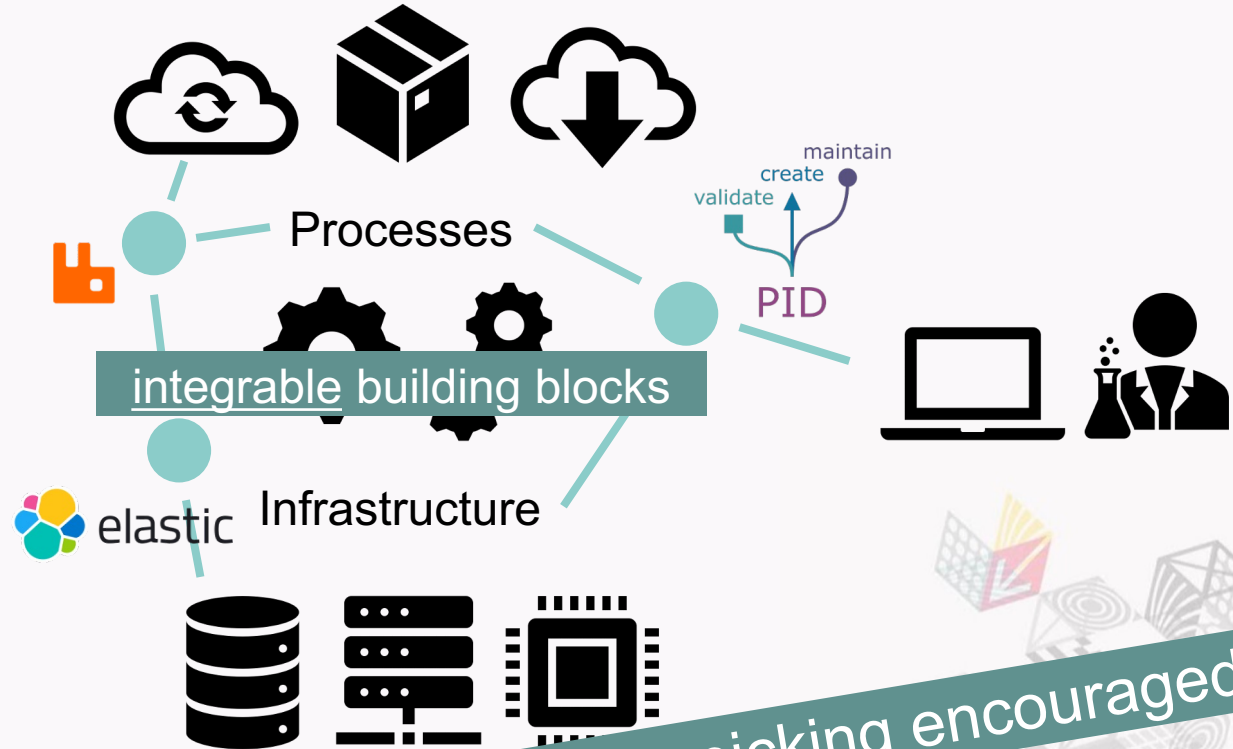
Create  
FAIR DOs



Maintain  
FAIR DOs



(Re-) use  
FAIR DOs



Cherry-picking encouraged!

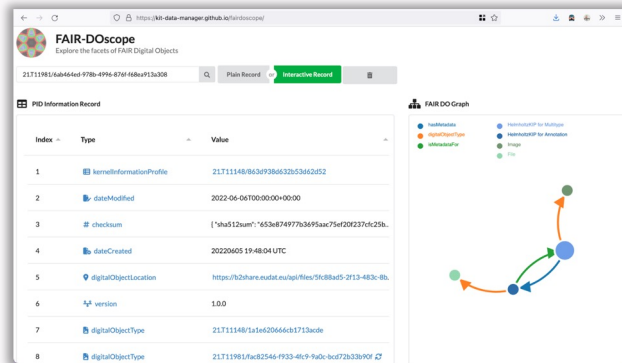
# Graphical user interfaces convey benefits

- We expect user interfaces to convey use cases clearly
- And to inspire for further possibilities

Now I understand the concept!

This could be combined with...

Couldn't it also be used to ... ?



We could automate this using the available interfaces!

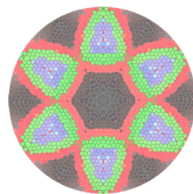
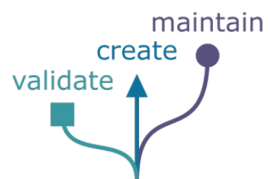
# Conclusion – the FAIR DO Lab

- Implements generic workflows
- Integrable building blocks
- More graphical user interfaces planned
- First version available on GitHub

Available via GitHub  
[https://github.com/  
kit-data-manager/  
FAIR-DO-Lab](https://github.com/kat-data-manager/FAIR-DO-Lab)



Software Stack



Typed **PID** Maker FAIRDOscope



Handle.Net®

