



# Data Mesh Enablement: Federation & Self-Service Infrastructure

meetup, 21.06.2022, Munich (on-prem!)

# data mesh enablement starts with “ST” ;)

[10min] *A Datamesh Primer: Why federation & self-service infrastructure matters* (Dominik Benz, inovex)



[15min] *Starburst: A Data Federation Layer for Data Mesh landscapes* (Andy Mott, Starburst)



[15min] *Data Mesh Infrastructure as a Service with Stackable* (Sönke Liebau, Stackable)



[x min] *beer, pizza, chat, networking, socializing, ...*  
(Stefan Igel, Roland Mackert et al.)





# A Data Mesh Primer: Why federation & self-service infrastructure matters

21.06.2022

Dominik Benz, Head of Data Engineering

# why all that?

“Good information  
extends life”



but it ain't that easy ...



*amount, complexity,  
meaning, format, changes,  
method, visualization, ...*


→ the right “workbench” /  
**data platform  
architecture is key!**

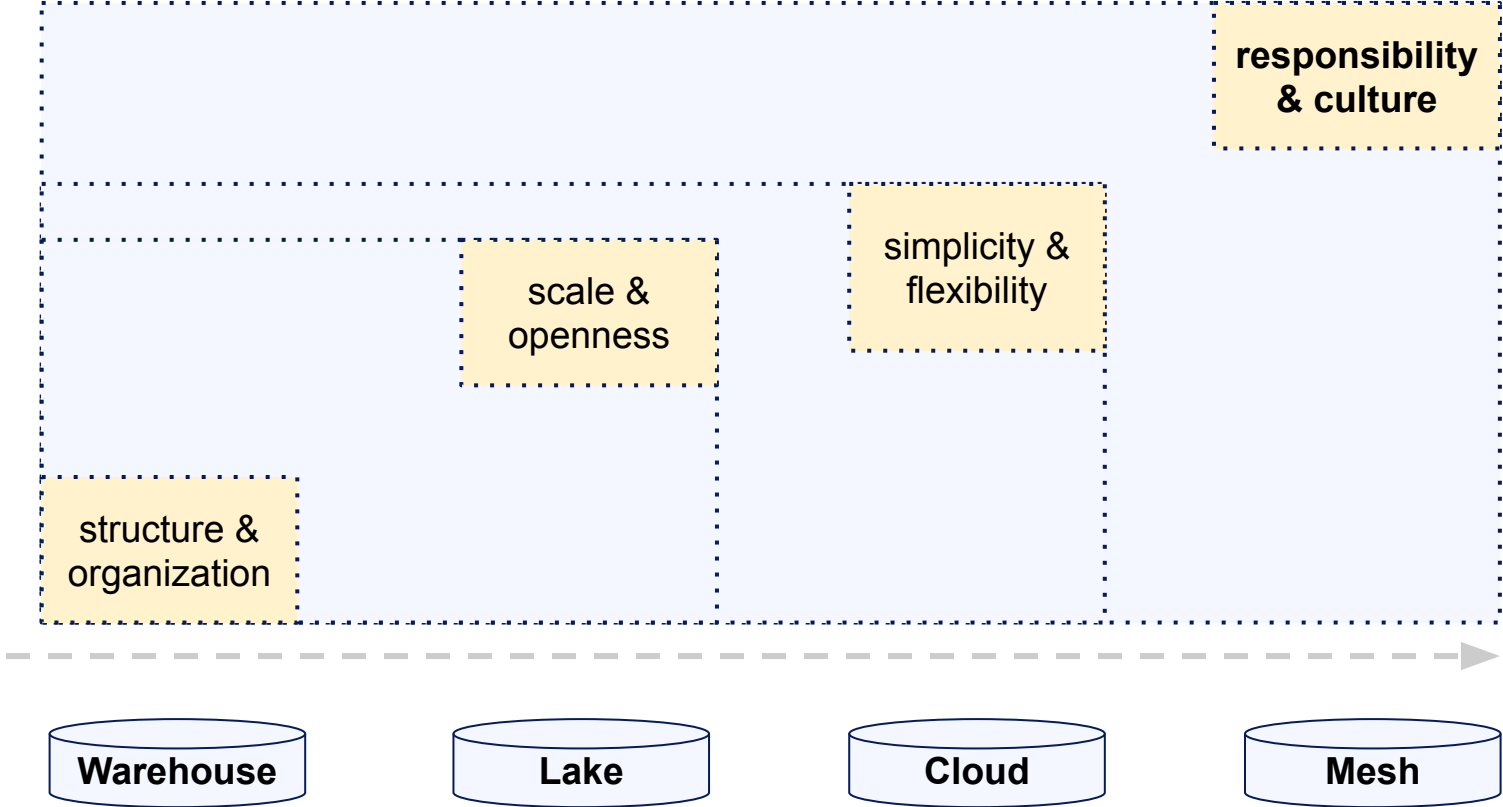
<https://flic.kr/p/85rSL8>

# data platform architecture evolution in a nutshell

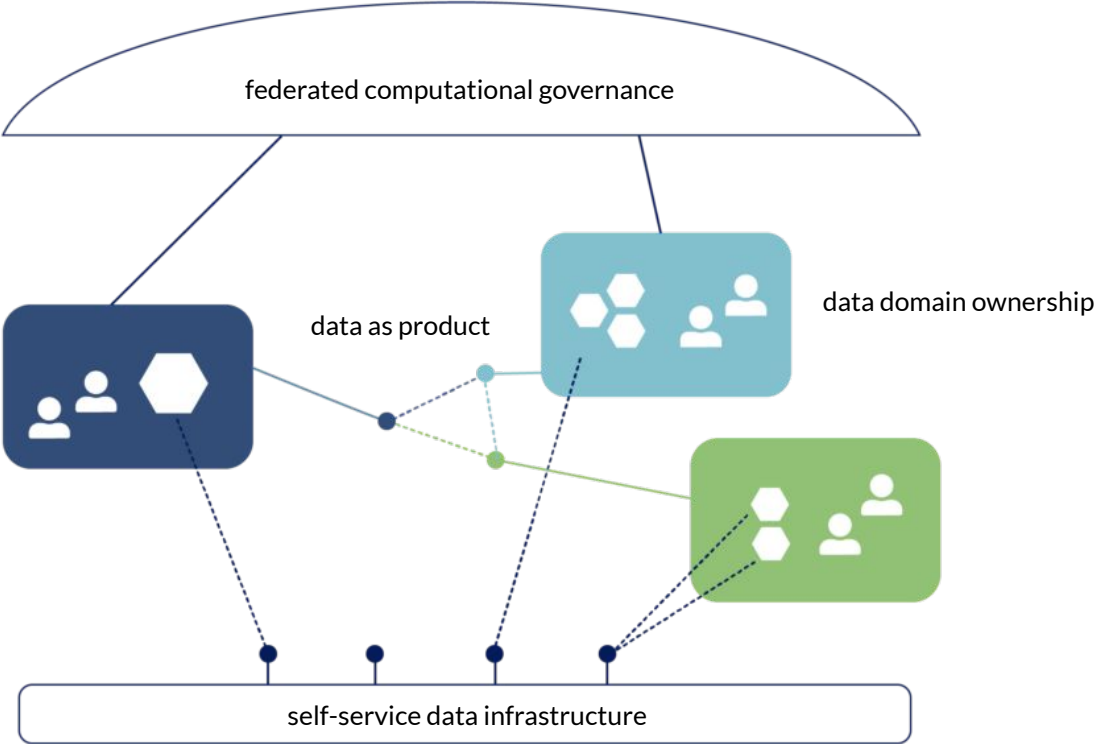
  
Application

  
Infrastructure

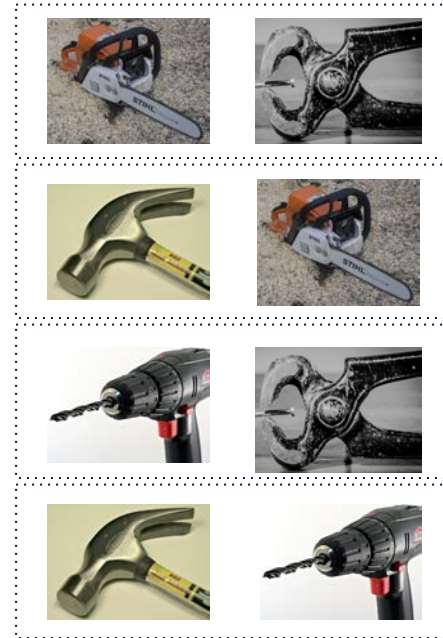
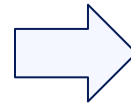
  
Data



# the (data mesh) principles of responsibility & culture



# responsibility: build it, run it, measure it!

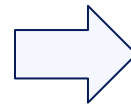


Team A

Team B

Team C

Team D



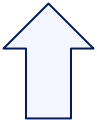
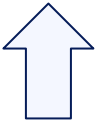
- provide each team with required tools
- reduce operational overhead
- open source, automated setup, ...



# culture: respect your (data) teams!



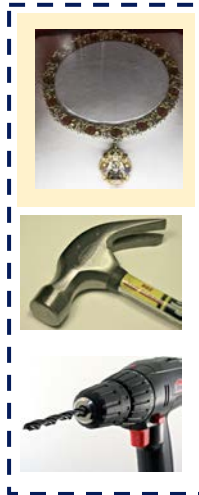
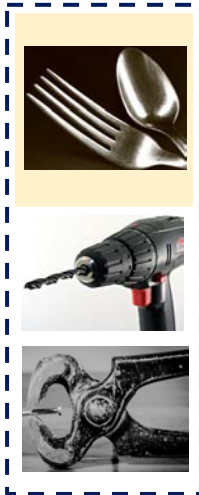
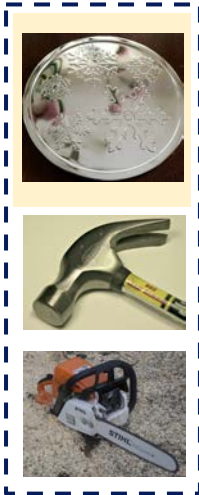
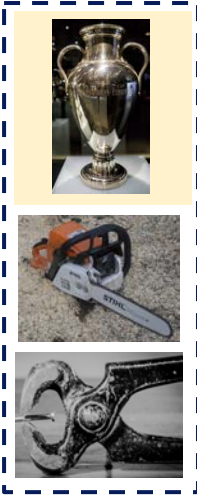
some target  
data infrastructure  
(cloud storage, ..)



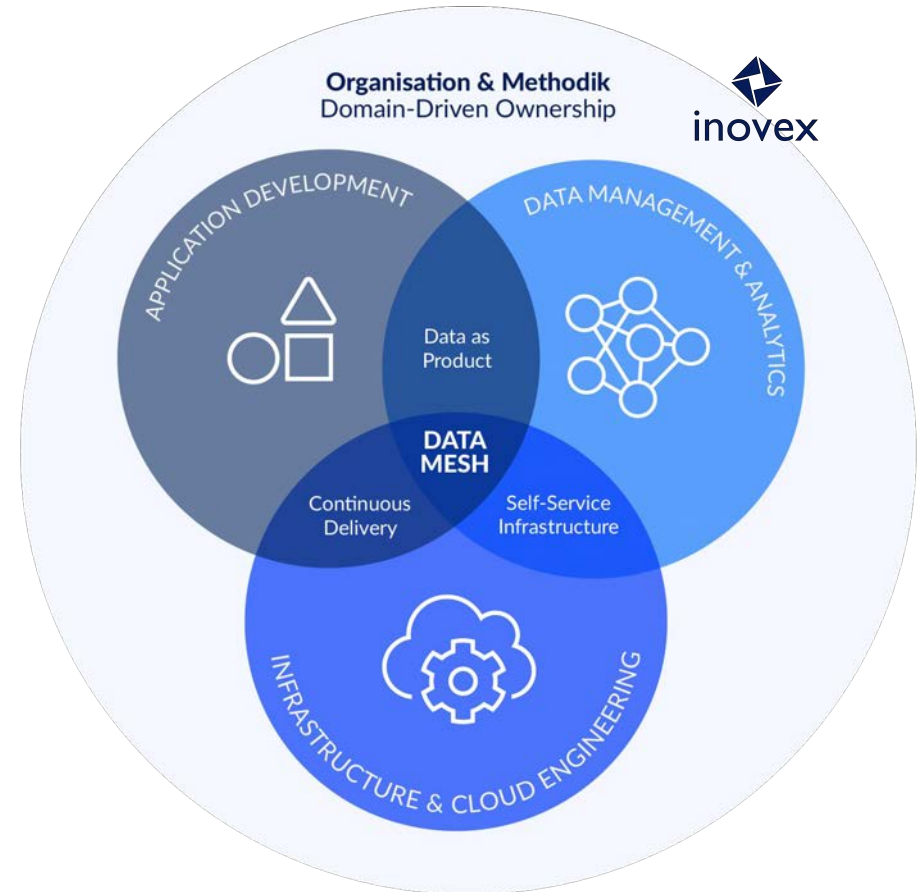
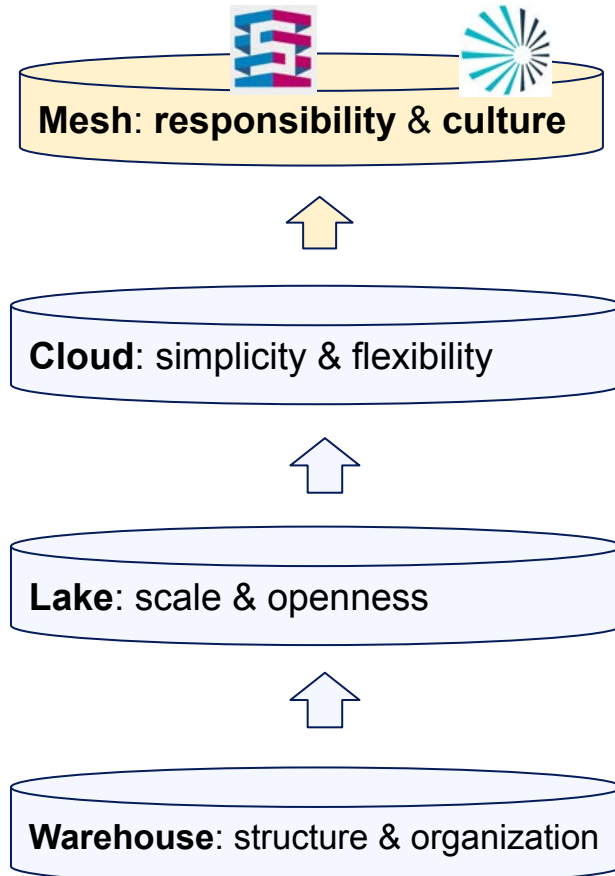
# culture: respect your (data) teams!



federated query layer



# data mesh enablement: holistic approach



... now please welcome ~~James~~ Andy & Sönke!



# Vielen Dank

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