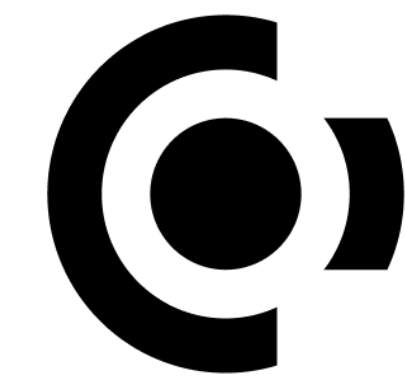
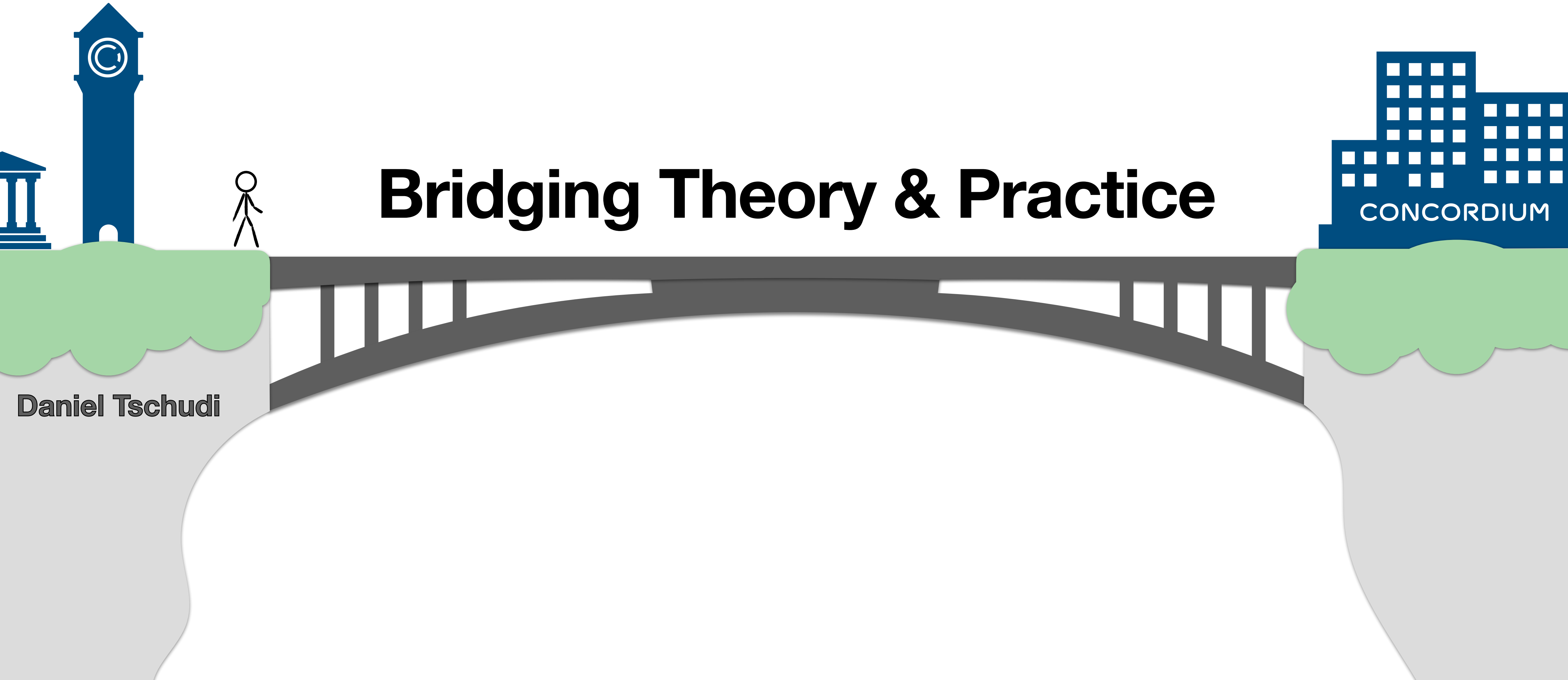




COBRA
CONCORDIUM BLOCKCHAIN
RESEARCH CENTER AARHUS



CONCORDIUM

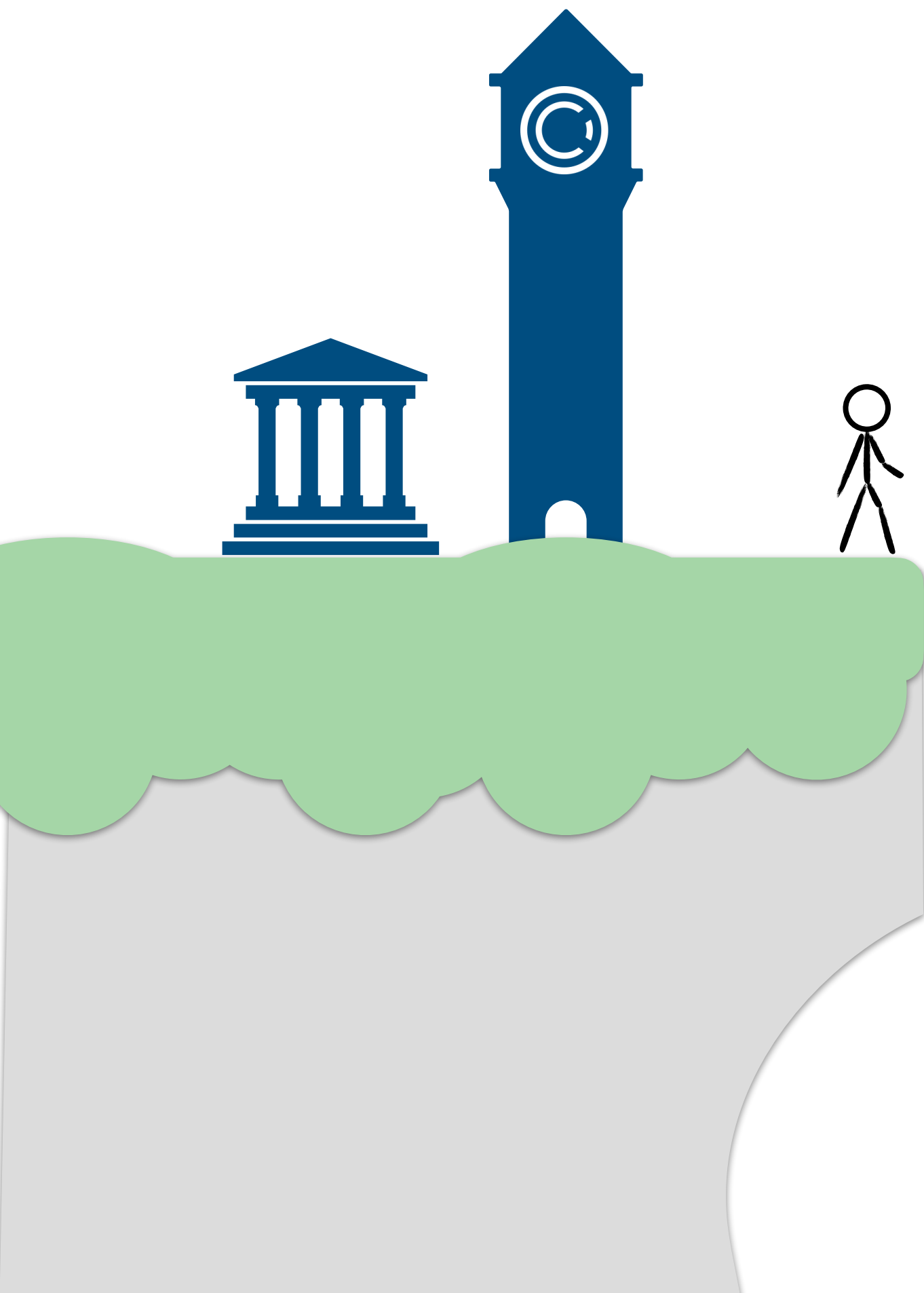


Bridging Theory & Practice

Daniel Tschudi

Background

Daniel



- Mathematician
- Cryptography
 - PhD from ETH
 - PostDoc at AU
- Research area: MPC/Blockchain

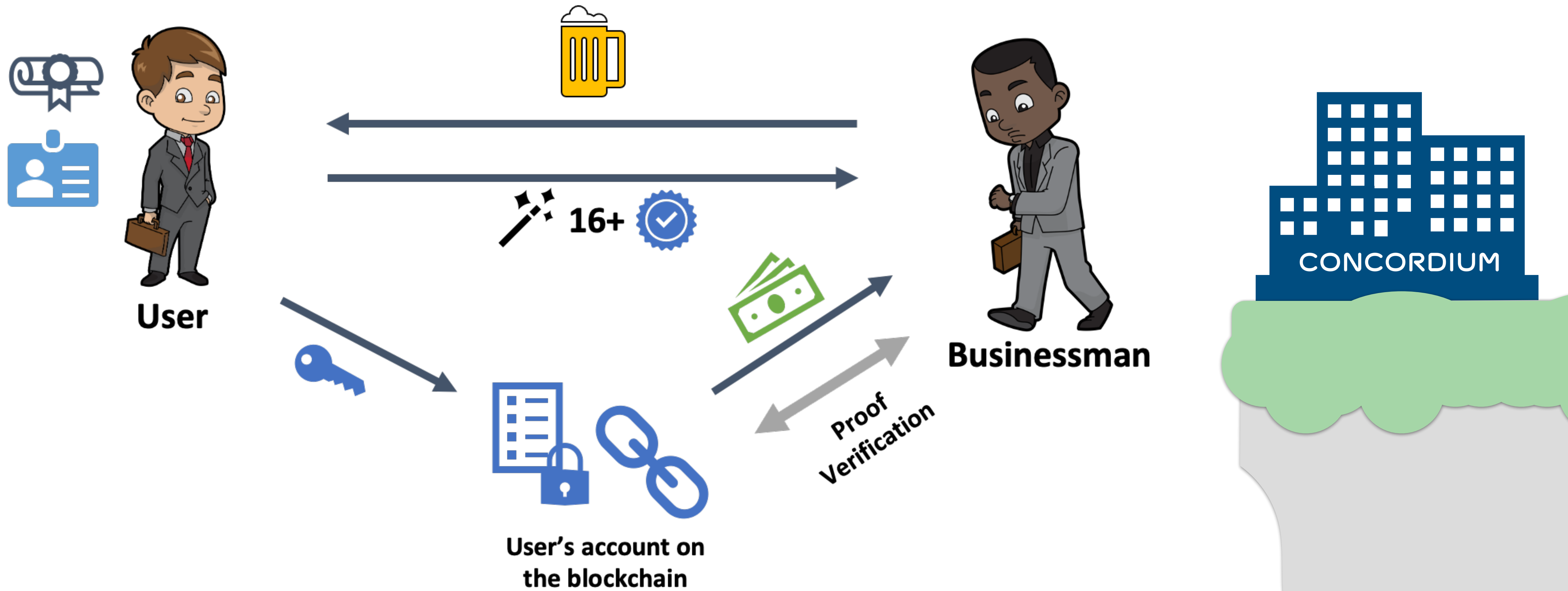
Background

Concordium

- Public permissionless blockchain
- Proof-of-stake
- **Identity built-in:**
 - balance between privacy and accountability
 - regulation-friendly
- Rust/WebAssembly for smart contracts

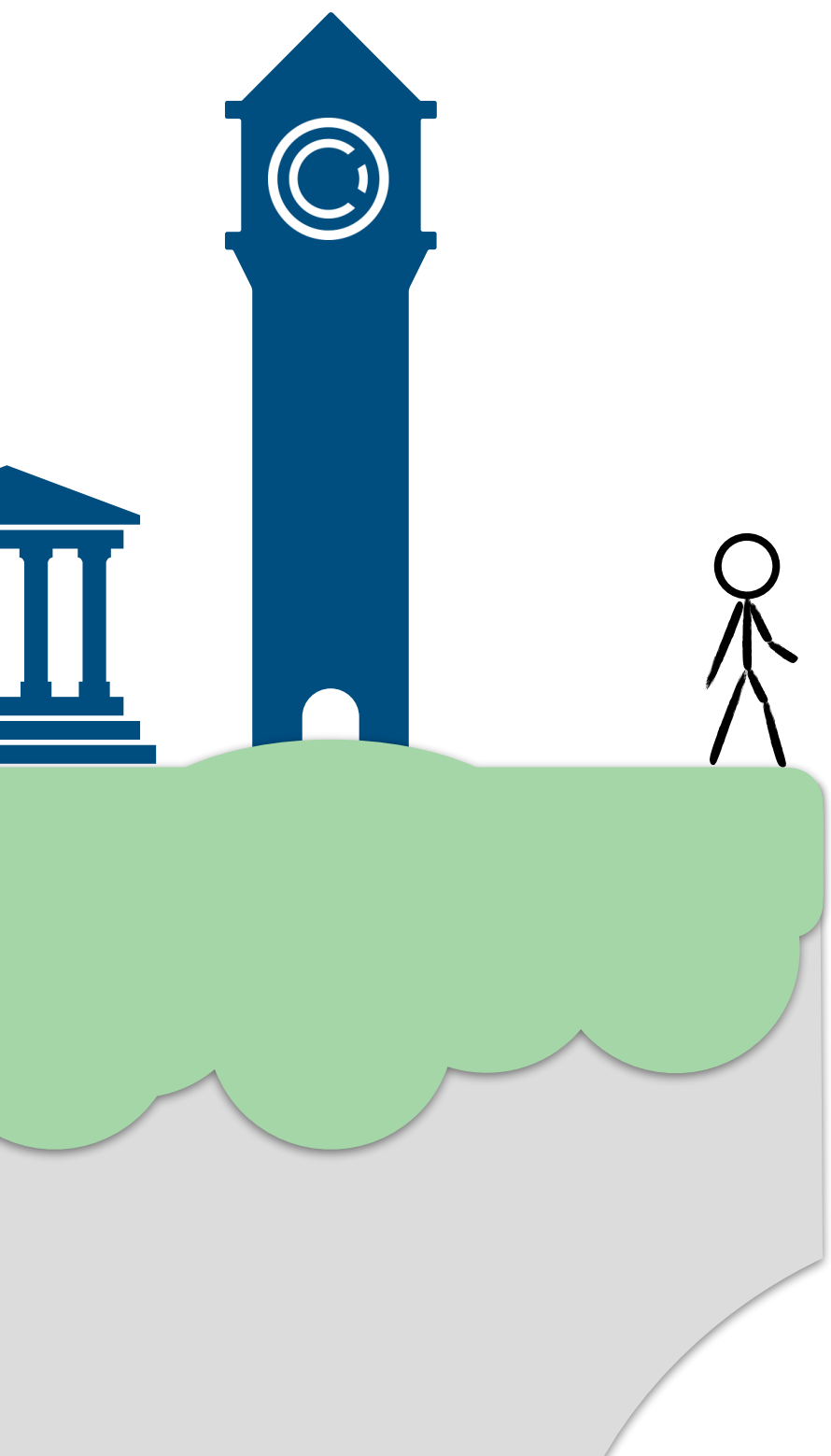


Background Concordium

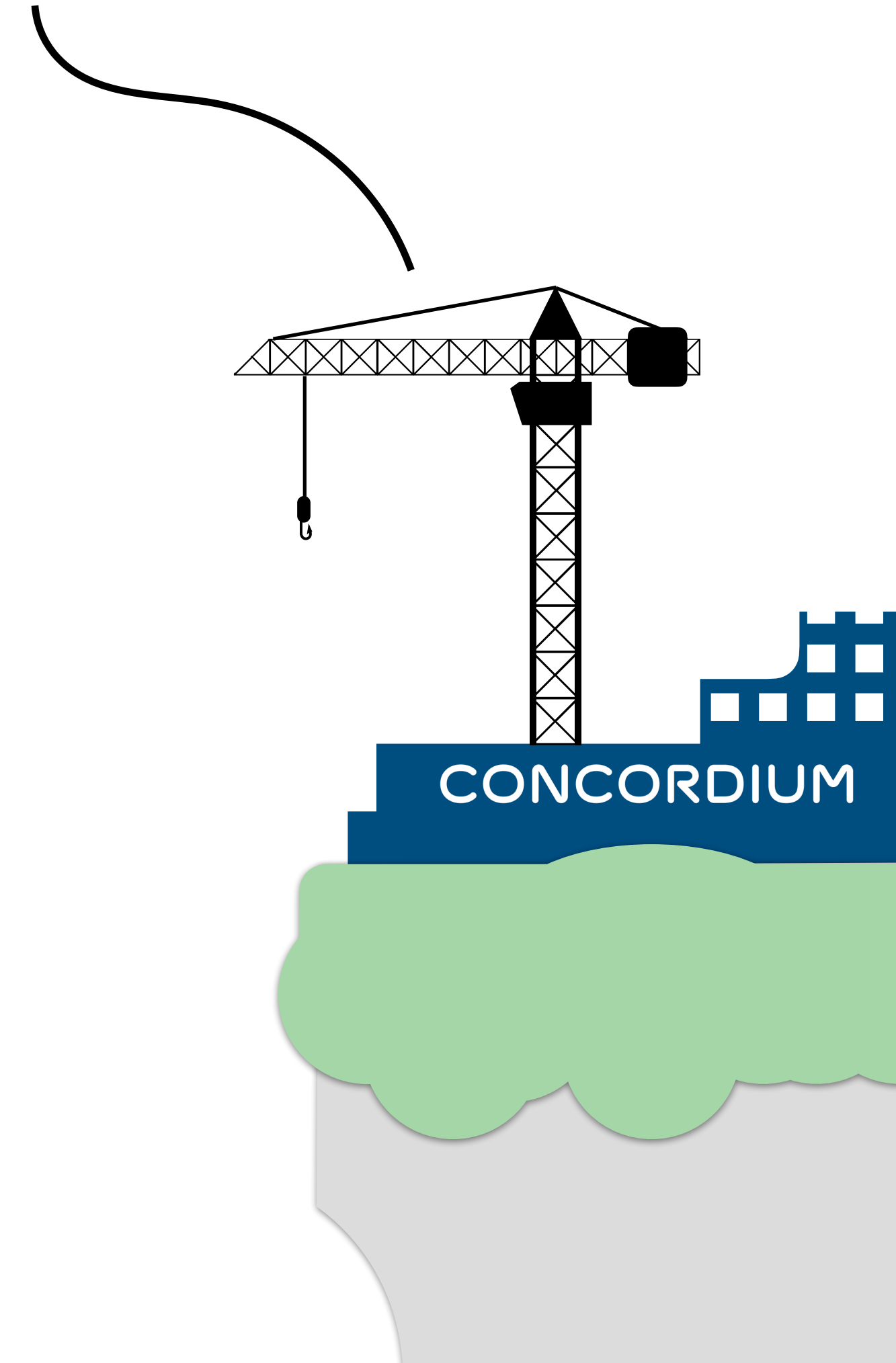


Background

Start of Collaboration



How do we build a blockchain?

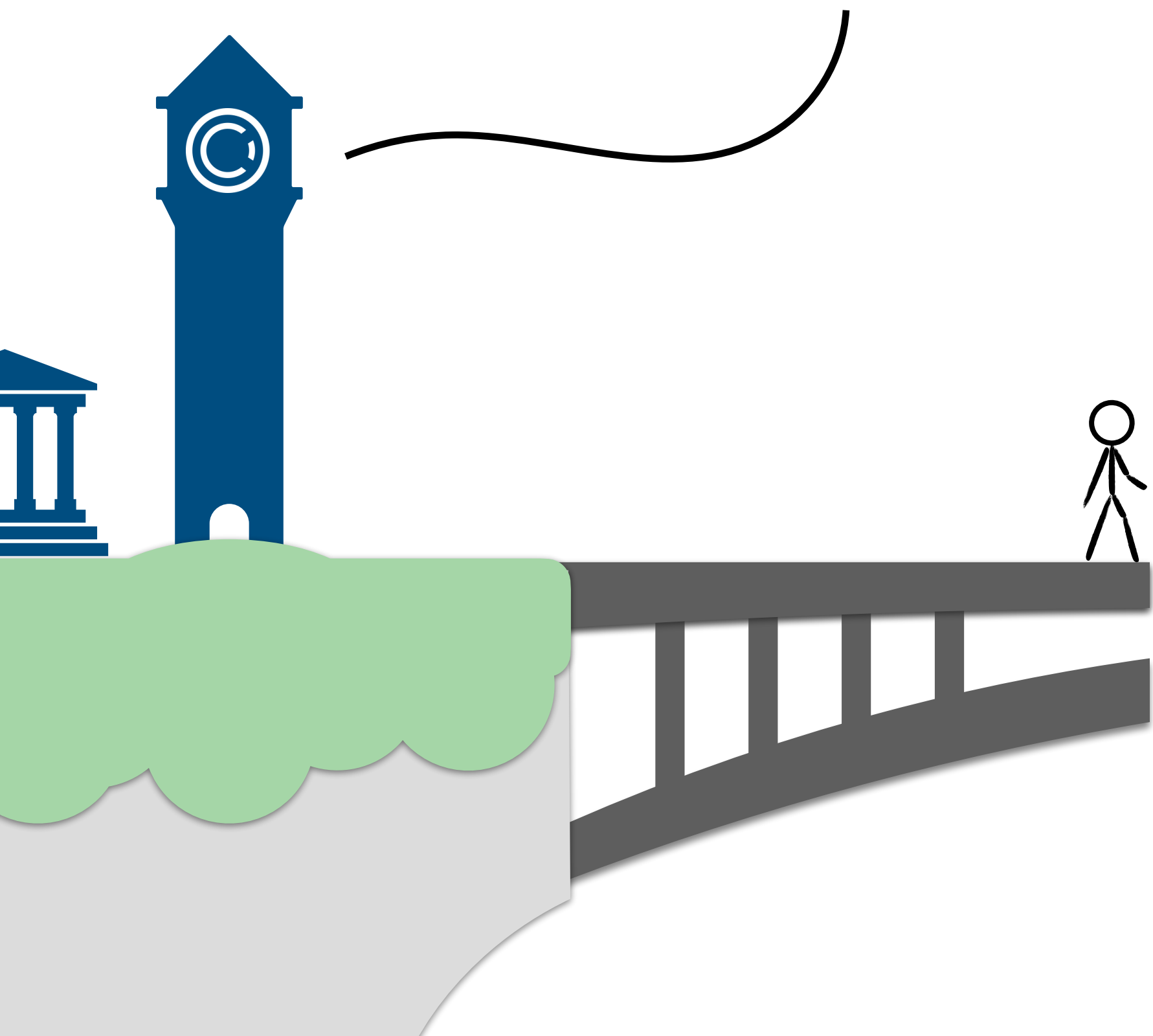


Background

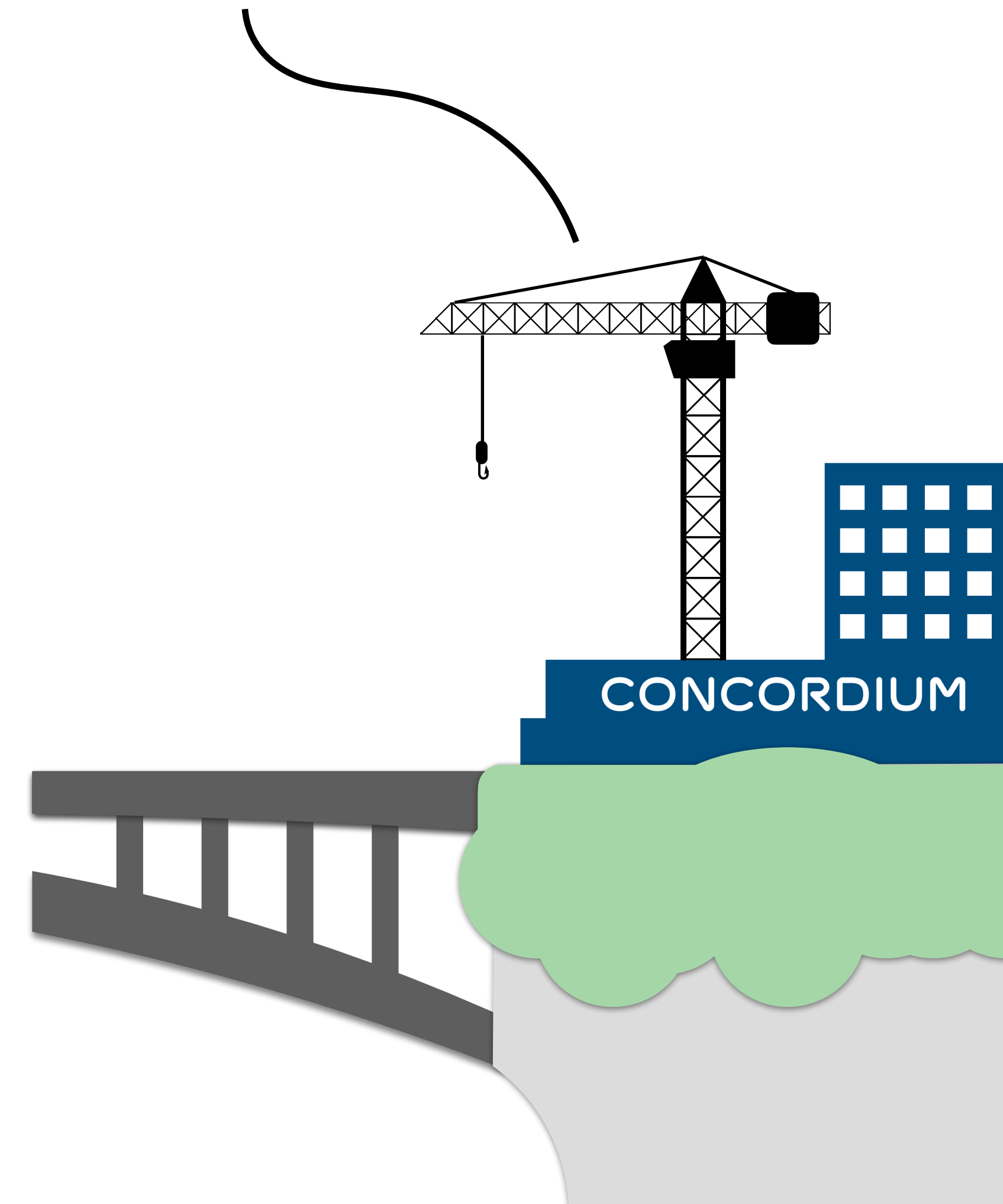
Start of Collaboration

We can help:

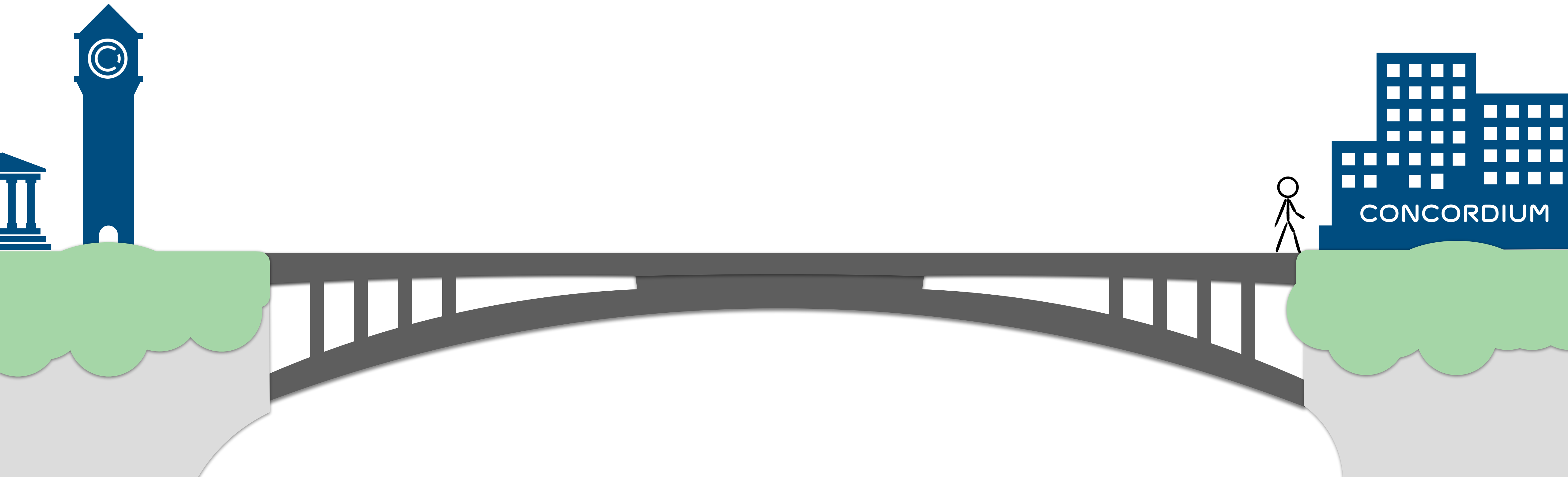
- Consulting
- Research Center



How do we build a blockchain?



Collaboration

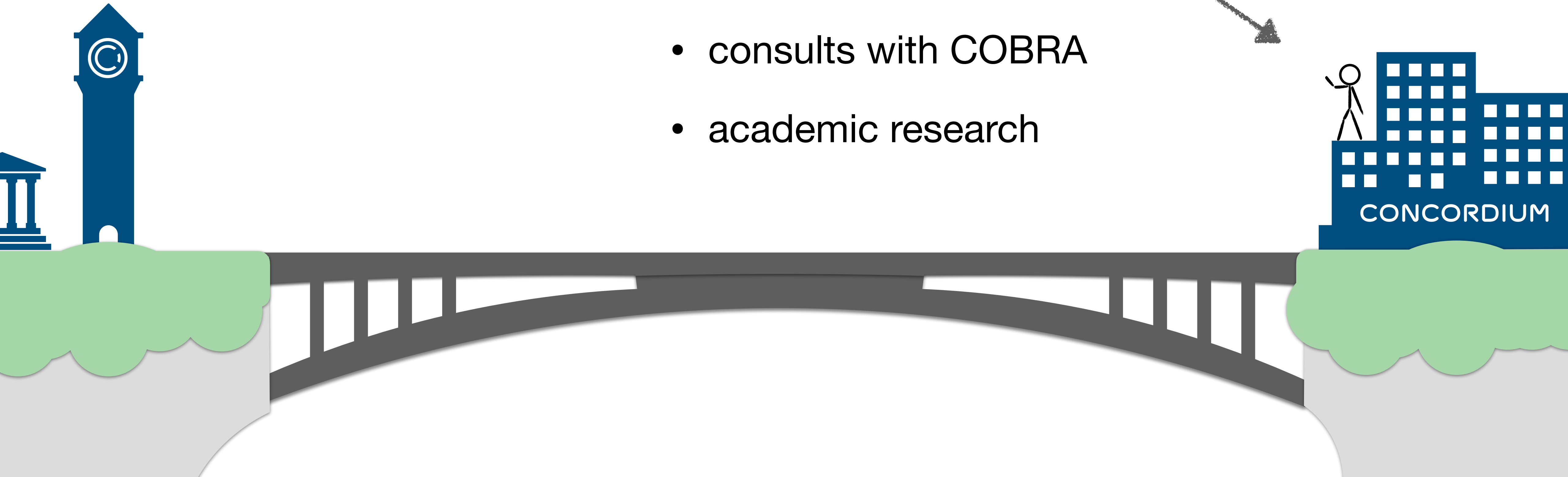
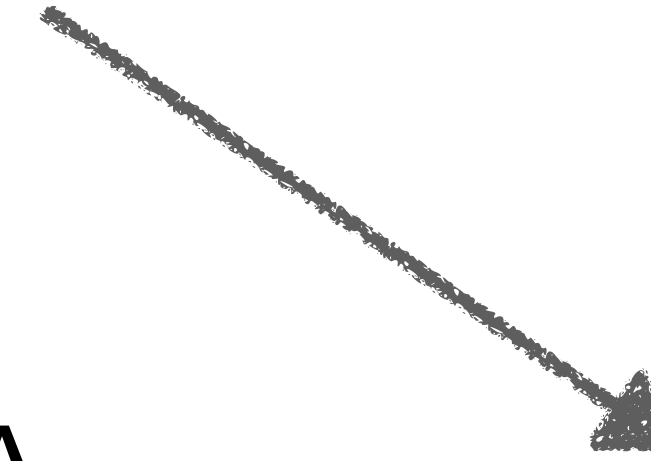


Collaboration

Anchoring

Internal Science Team

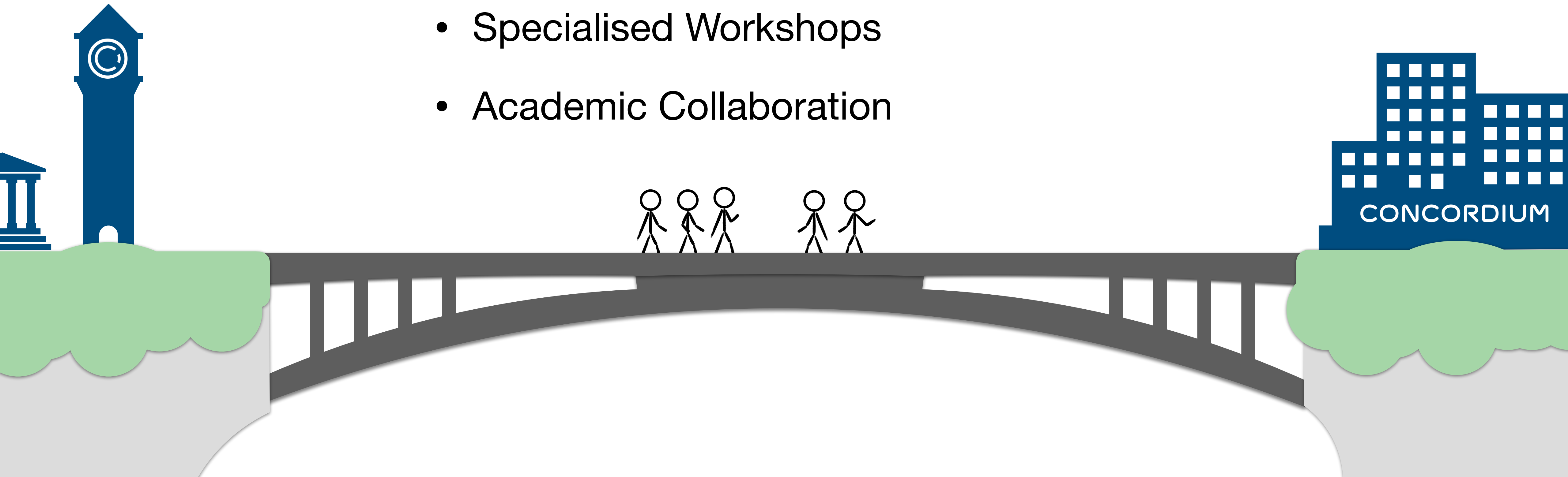
- writes blueprints
- consults with COBRA
- academic research



Collaboration

Day to Day

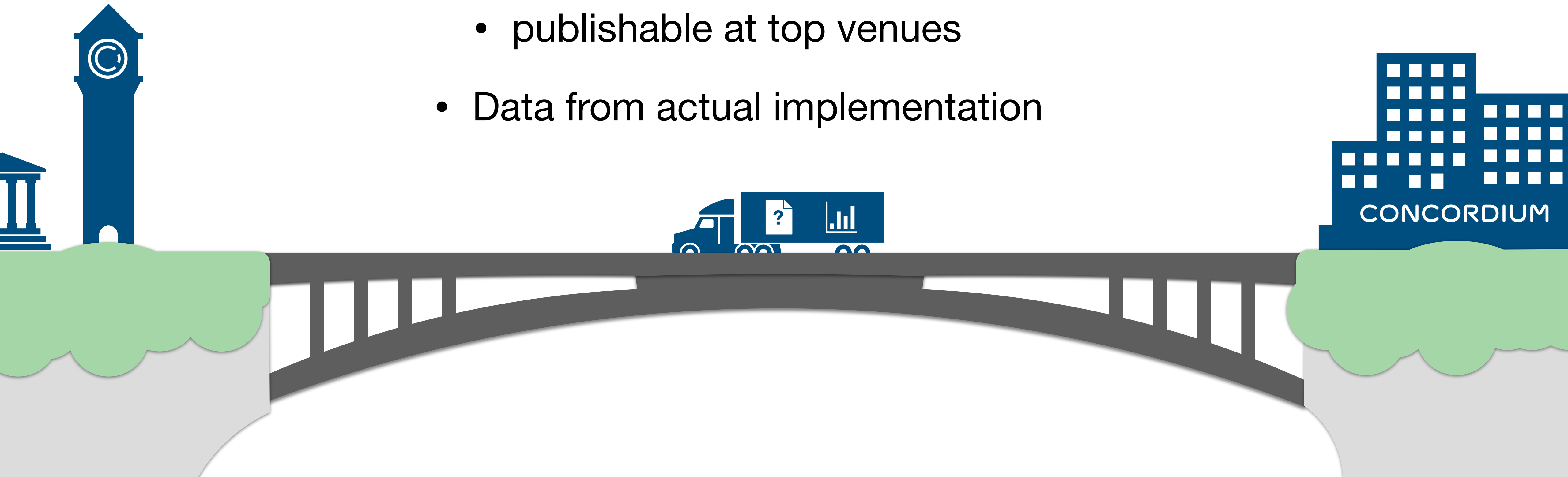
- COBRA seminar
- Coordination meeting
- Specialised Workshops
- Academic Collaboration



Collaboration

Benefits for Researcher

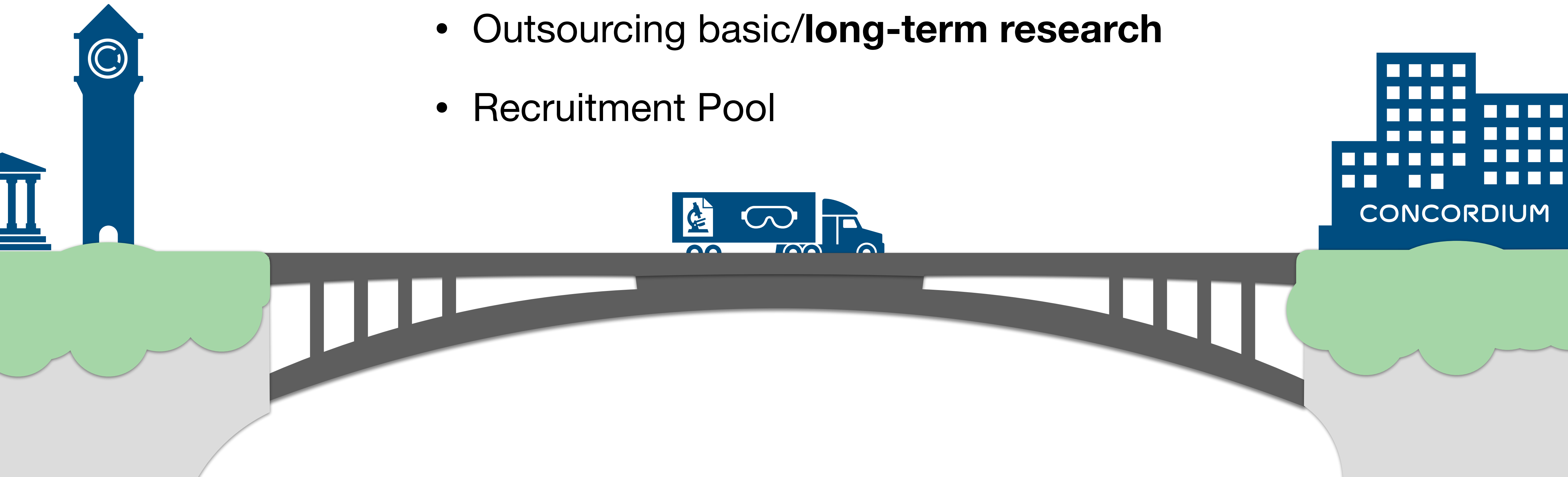
- Open **research questions**
 - with practical application
 - publishable at top venues
- Data from actual implementation



Collaboration

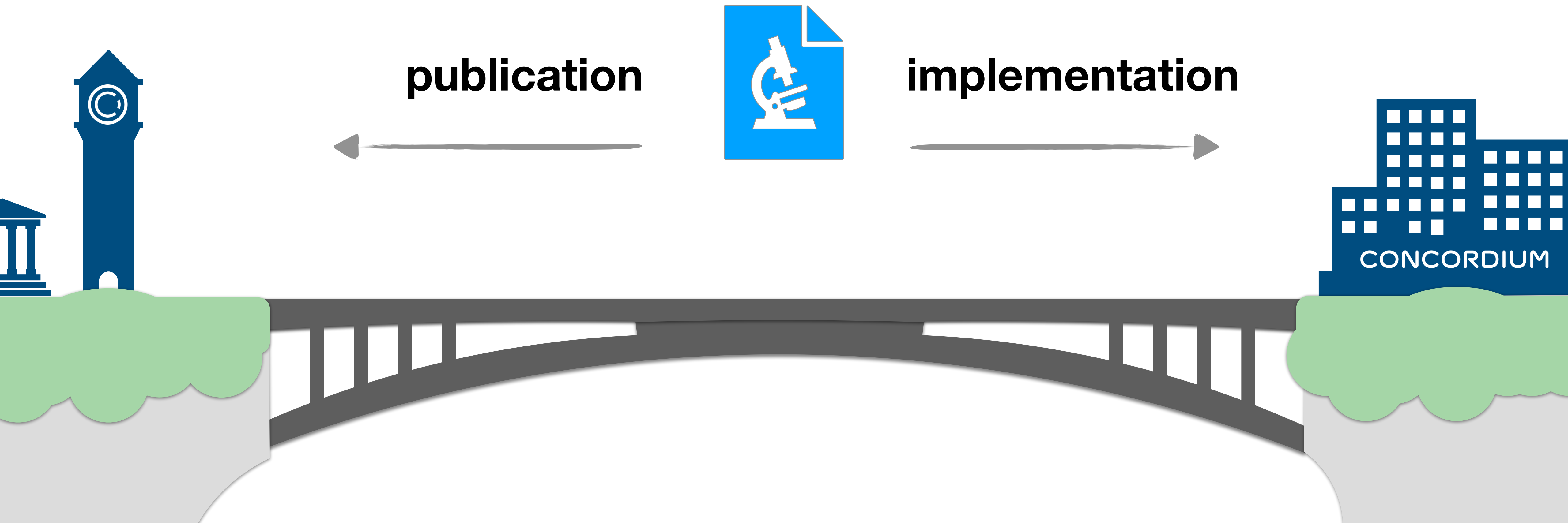
Benefits for Concordium

- **Knowledge Base**
 - bleeding edge research
- Outsourcing basic/**long-term research**
- Recruitment Pool

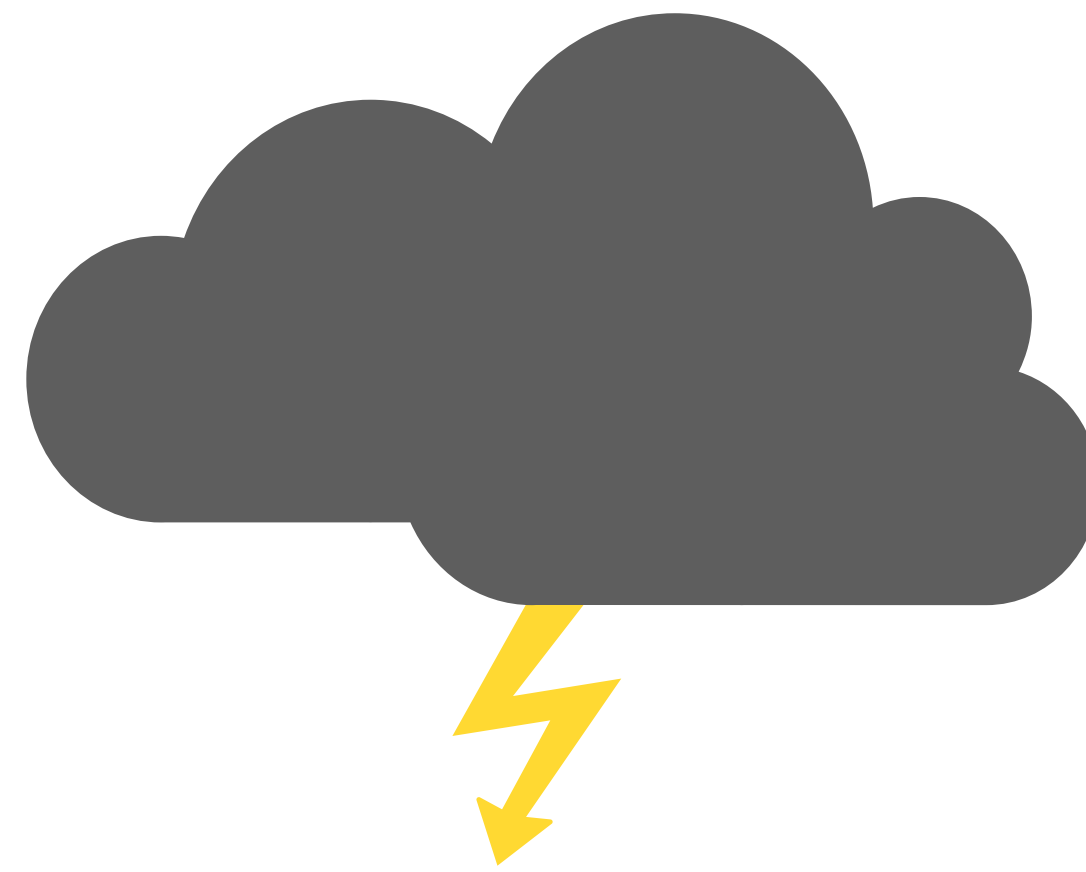


Collaboration

Separation of Research

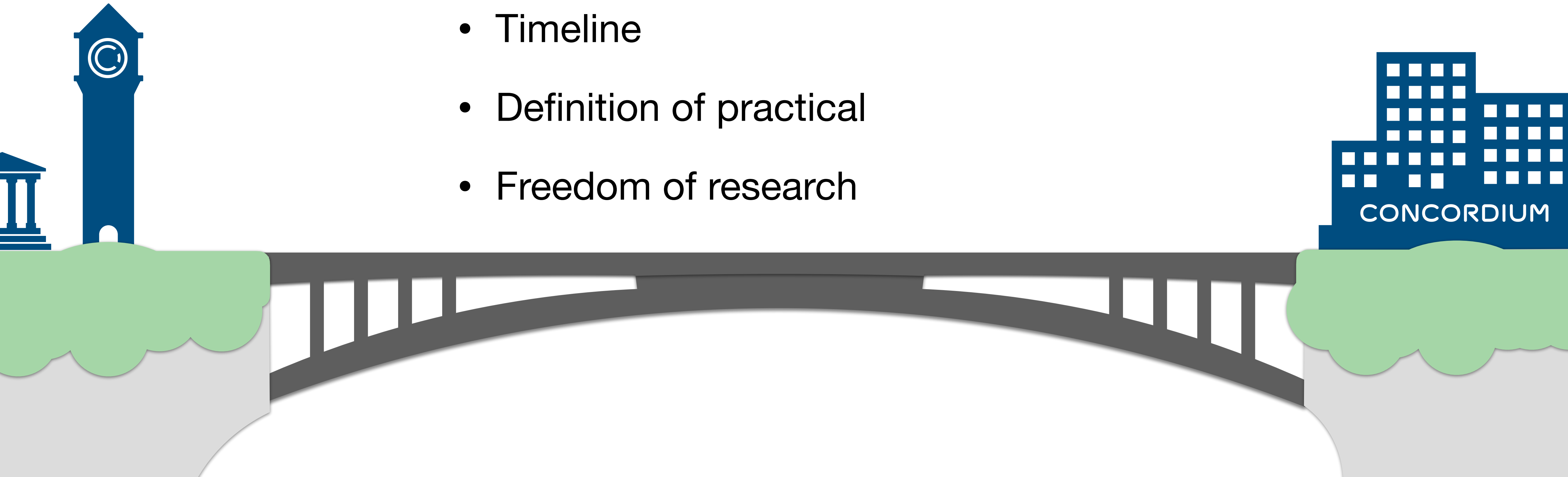


Collaboration Challenges



Manage Expectations

- Timeline
- Definition of practical
- Freedom of research



Next more on COBRA

