



DAPSI



DATA PORTABILITY & SERVICES INCUBATOR

# PROV4ITDaTa

## Ben De Meester IDLab, imec – Ghent University

June 21st, 2021

Next Generation Internet webinar on Linked Data

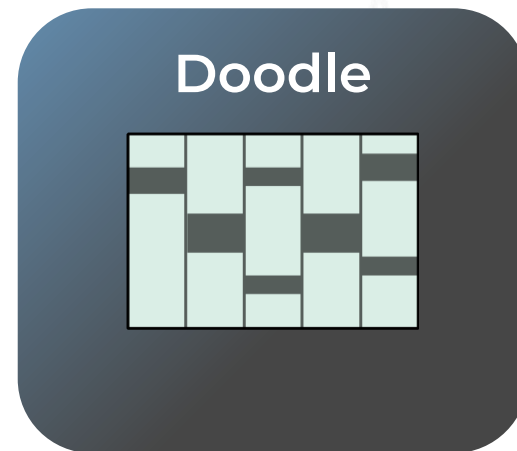
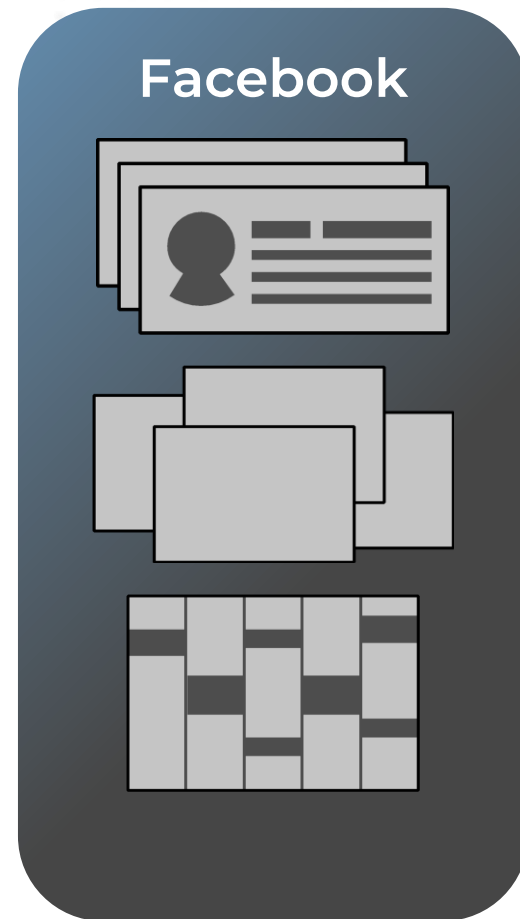
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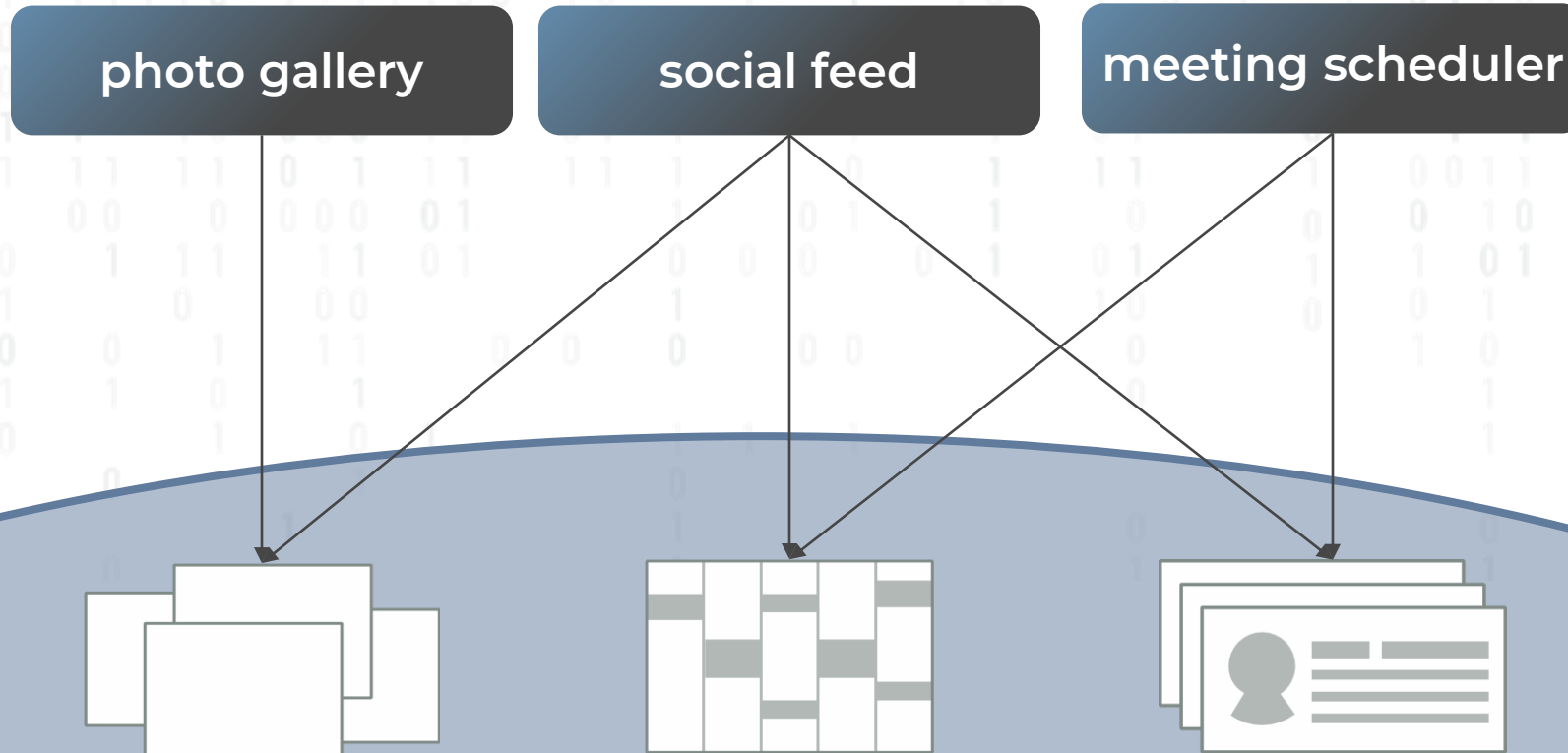
This project has received funding from the European Union's H2020 research and innovation programme under Grant Agreement no 871498



# Solid vision: from centralized apps...

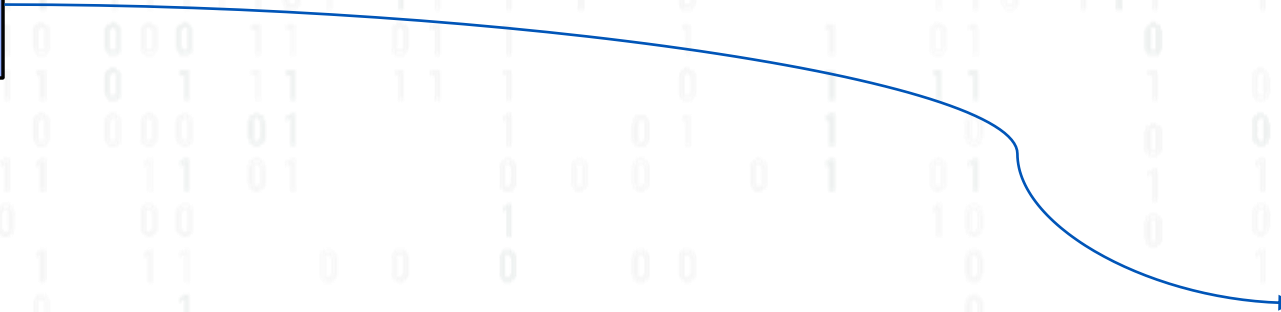


# Solid vision: ... to decentralized data + apps

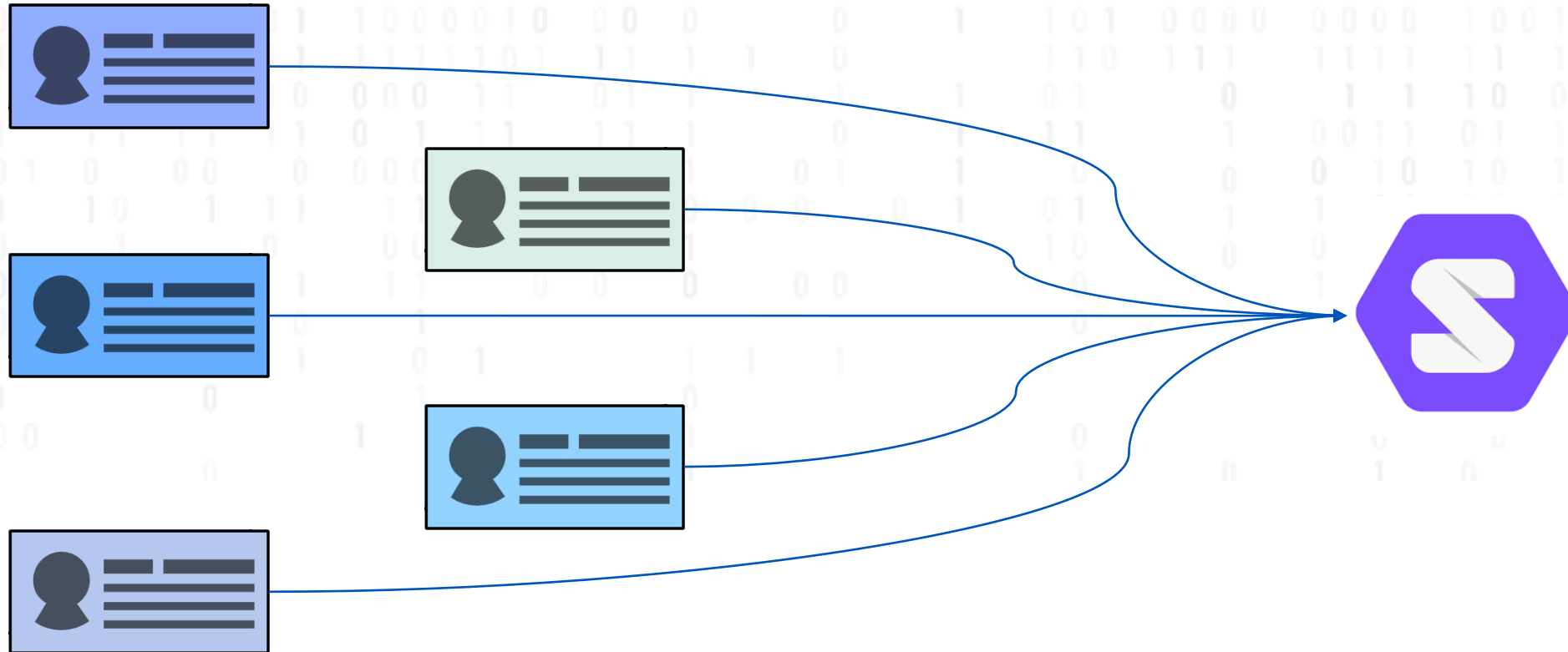


Data as knowledge graphs under the user's control

# Controlling your personal contact book?



# Controlling your personal contact book?



# Existing initiatives

**hard-coded 1-to-1 transfer**

**need to implement adapters for different web services**

**lack transparency & interoperability**

# PROV4ITDaTa

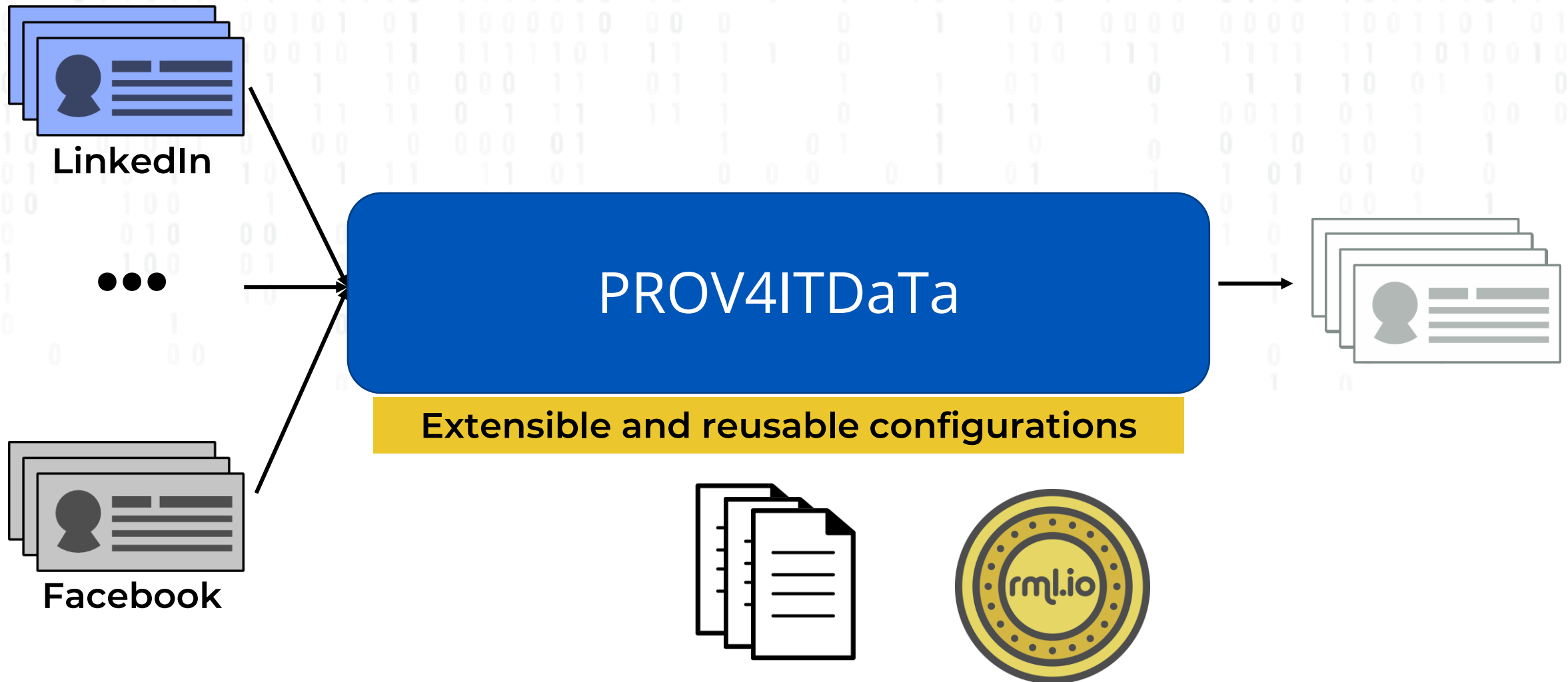
Flexible tool for transparent  
transfer  
of personal data  
to personal data stores

# PROV4ITDaTa is a data processing platform

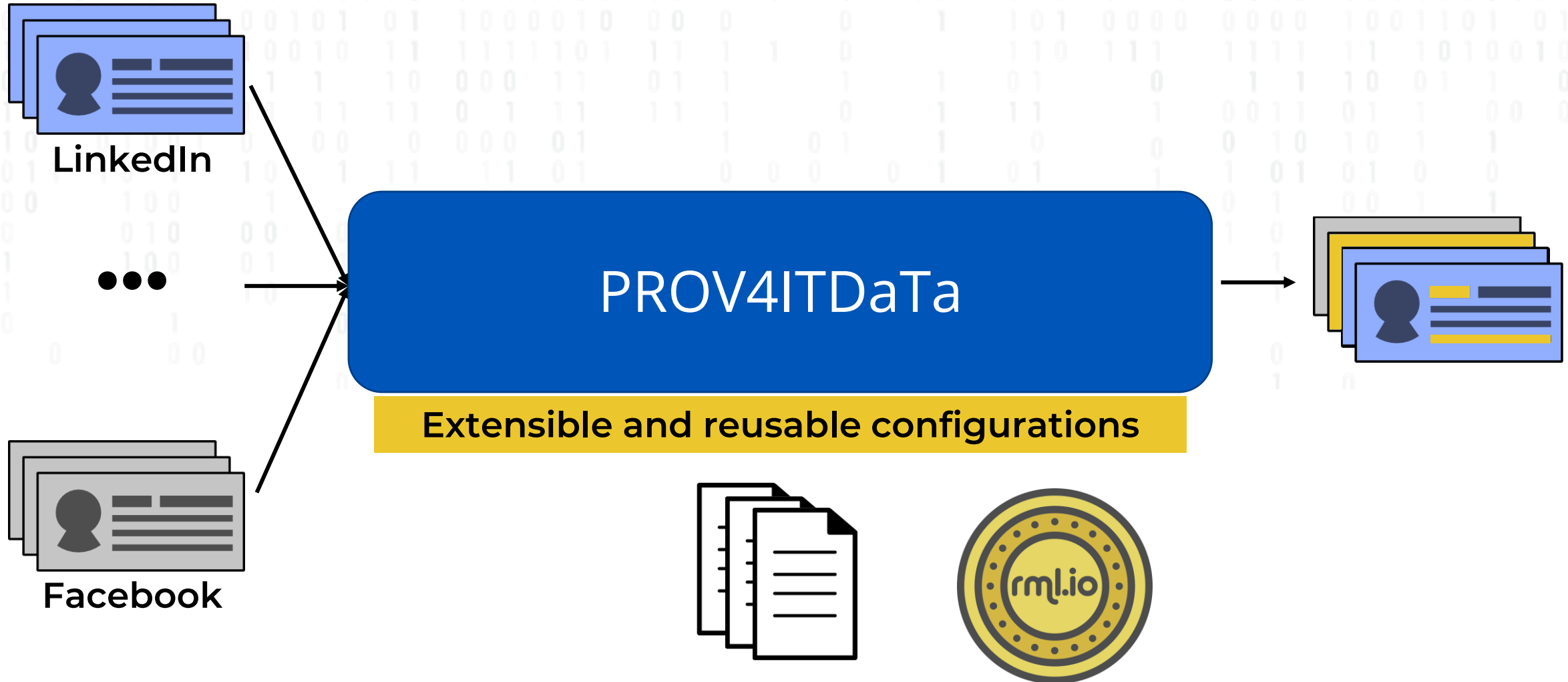




# Data integration is achieved using RML.io



# Making it customizable and transparent





## PROV4ITDaTa

Welcome to the PROV4ITDaTa web app. For more info on how it works, see our [documentation](#).

All code is available on [GitHub](#) under MIT license.

Mapping Selector	
<input type="text" value="Select a mapping"/>	
<input type="button" value="Execute"/>	
RML Mapping	<a href="#">Download</a>
Generated RDF	<a href="#">Download</a>
Provenance	<a href="#">Download</a>
Solid	
Query	
Settings	

<https://prov4itdata.ilabt.imec.be/>

# Open-source, open standards

Open-source software  
for easier customization and transparency

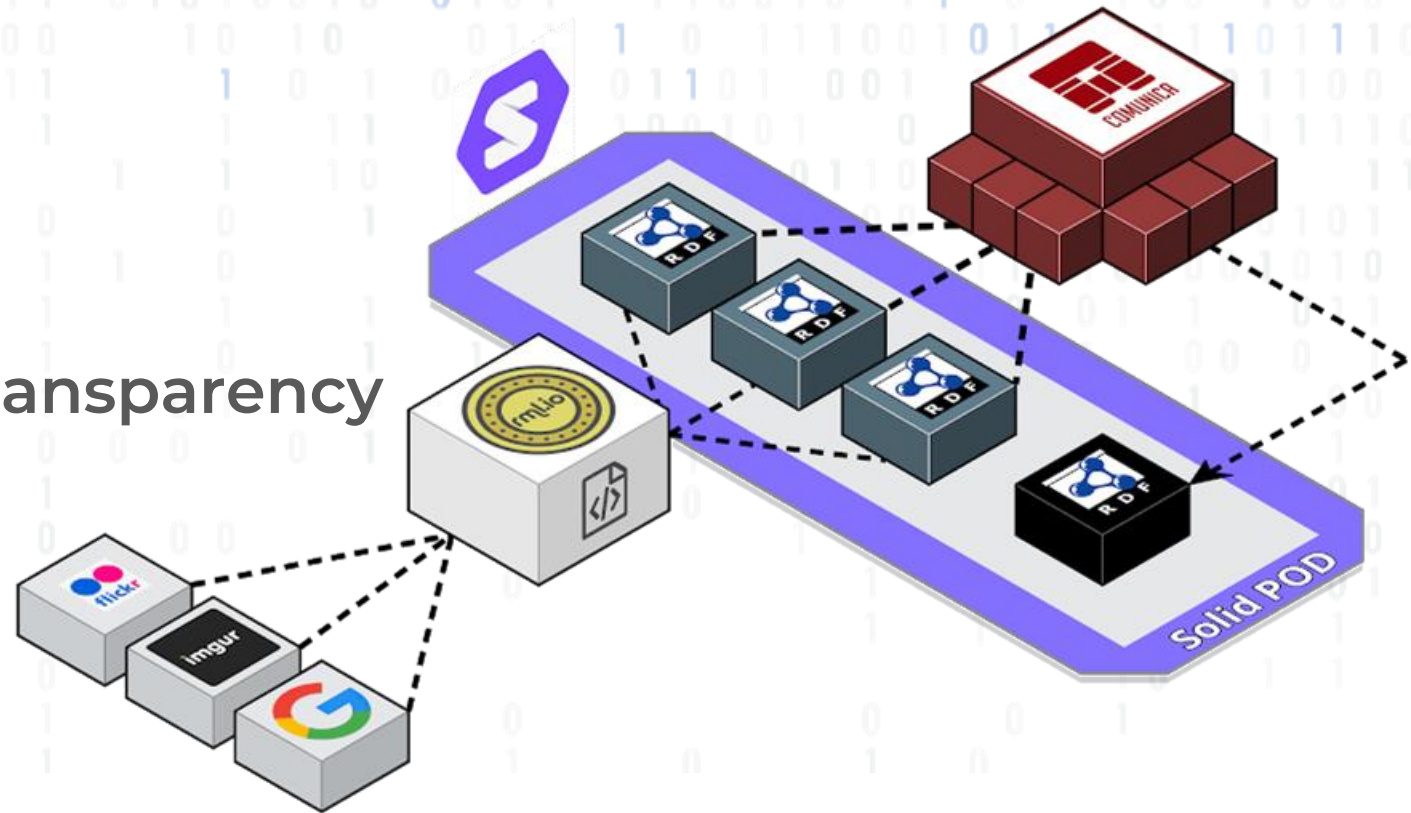
RML.io

Comunica

Open standards  
for increased interoperability

Semantic Web Knowledge Graphs – Linked Data (RDF)

Solid



<https://github.com/RMLio/prov4itdata-web-app>

# Where we're going

A framework that

allows data portability of the common services  
with one click

allows customization for any service

# Thank you

Ben De Meester – IDLab, imec – Ghent University



Find more info

[prov4itdata.ilabt.imec.be](http://prov4itdata.ilabt.imec.be)



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