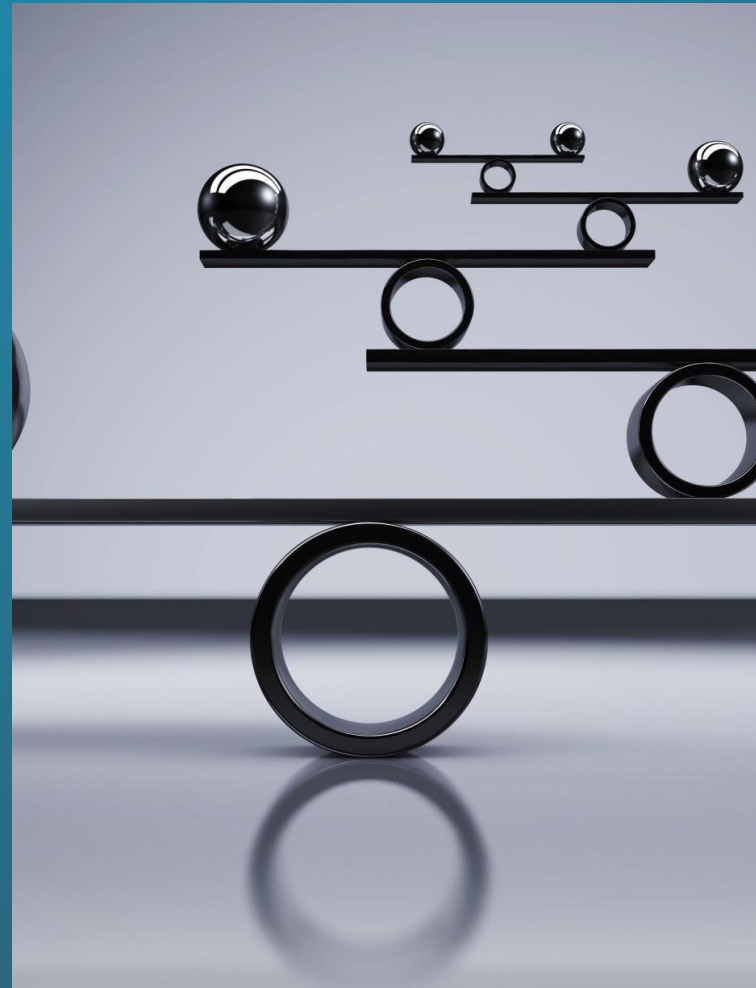


In search of a  
(new) balance  
between data  
sharing and data  
protection in light  
of semantic  
interoperability



KU LEUVEN

CiTiP

CENTRE FOR IT & IP LAW



UNIVERSITEIT  
GENT



# Table of contents

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Future vision



Research

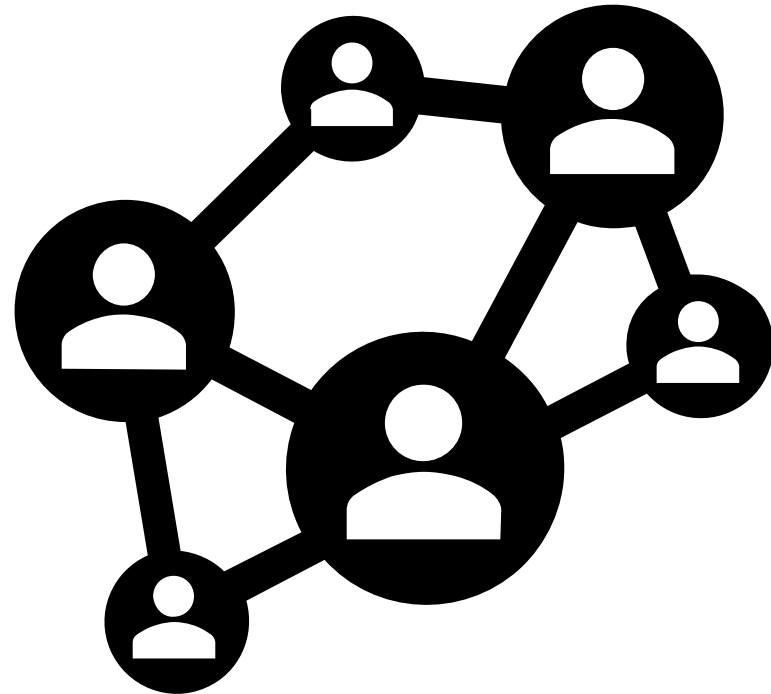


Semantic interoperability



Balance between data sharing and  
data protection (GDPR)

**Future  
vision**



---

Mom needs to see a specialist and then has to have a series of physical therapy sessions. Biweekly or something. I'm going to have **my agent set up the appointments.**

## Cast >



Timothée  
Chalamet  
Paul Atreides



Florence  
Pugh  
Princess Irulan



Zendaya  
Chani



Rebecca  
Ferguson  
Lady Jessica



Christopher  
Walken  
Padyszach Im...



Jason Momoa

## Aanvangstijden >

In de buurt van Leuven

DI 27 FEB

### Kinopolis Leuven >

1,2 km · Bondgenotenlaan 145-149, 3000 Leuven

Standaard 19:50

### UGC Cinema's Aarschot >

15,6 km · Demervallei 4, 3200 Aarschot

Standaard 19:45

Meer bioscopen →



Tickets kopen



Al bekeken



Wil bekijken

## Over

Dune: Part Two is een toekomstige Amerikaanse sciencefictionfilm, geregisseerd door Denis Villeneuve en het vervolg op Dune uit 2021. [Wikipedia](#)

**Releasedatum:** 28 februari 2024 (België)

**Directeur:** Denis Villeneuve

**Geschreven door:** Frank Herbert

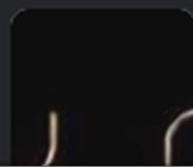
**Bewerking van:** Duin

**Producers:** Denis Villeneuve, Tanya Lapointe, Mary Parent, Patrick McCormick, Cale Boyter, Joseph M. Caracciolo Jr.

Dit kennisvenster claimen

[Feedback](#)

## Mensen zoeken ook naar



# Research

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**Data sharing and data protection**

**Semantic interoperability**





# Semantic data sharing



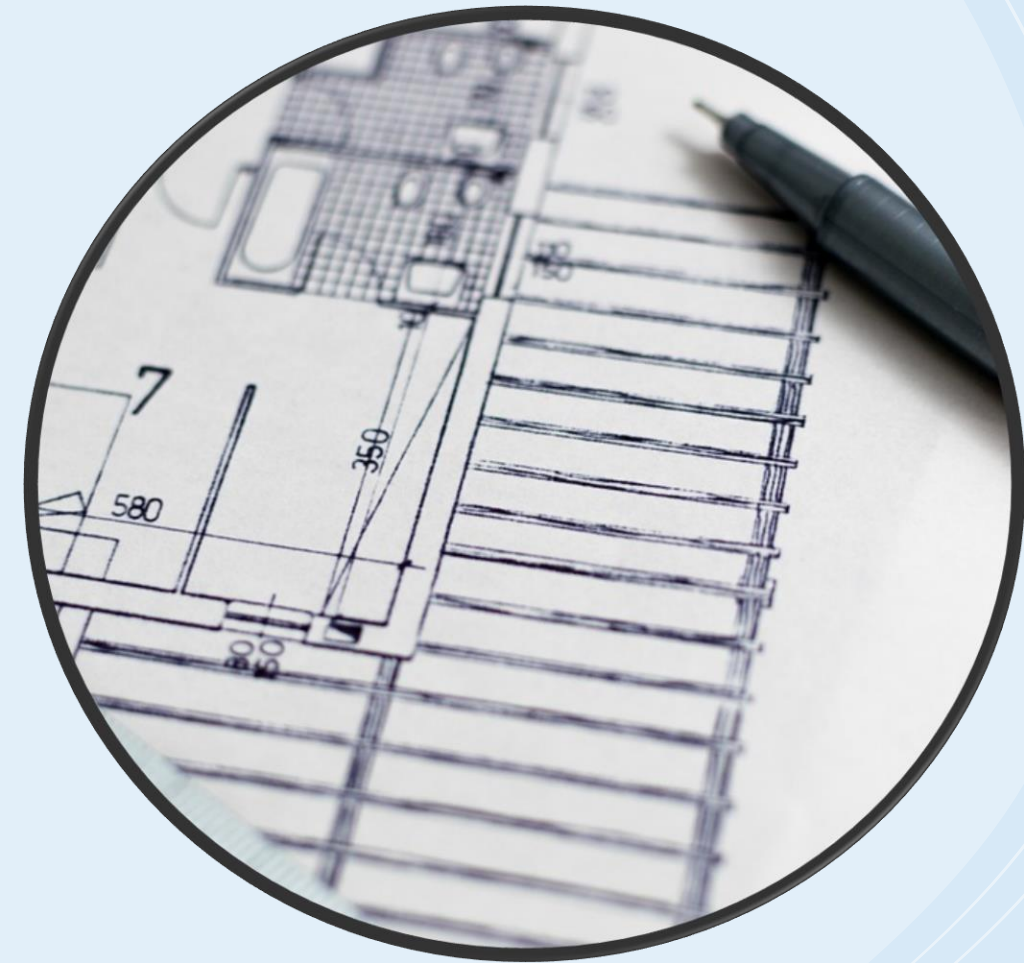
# Syntax and silo's



My mother's white cat is black



The green apple ate a juicy bug



# Overarching design – semantic models

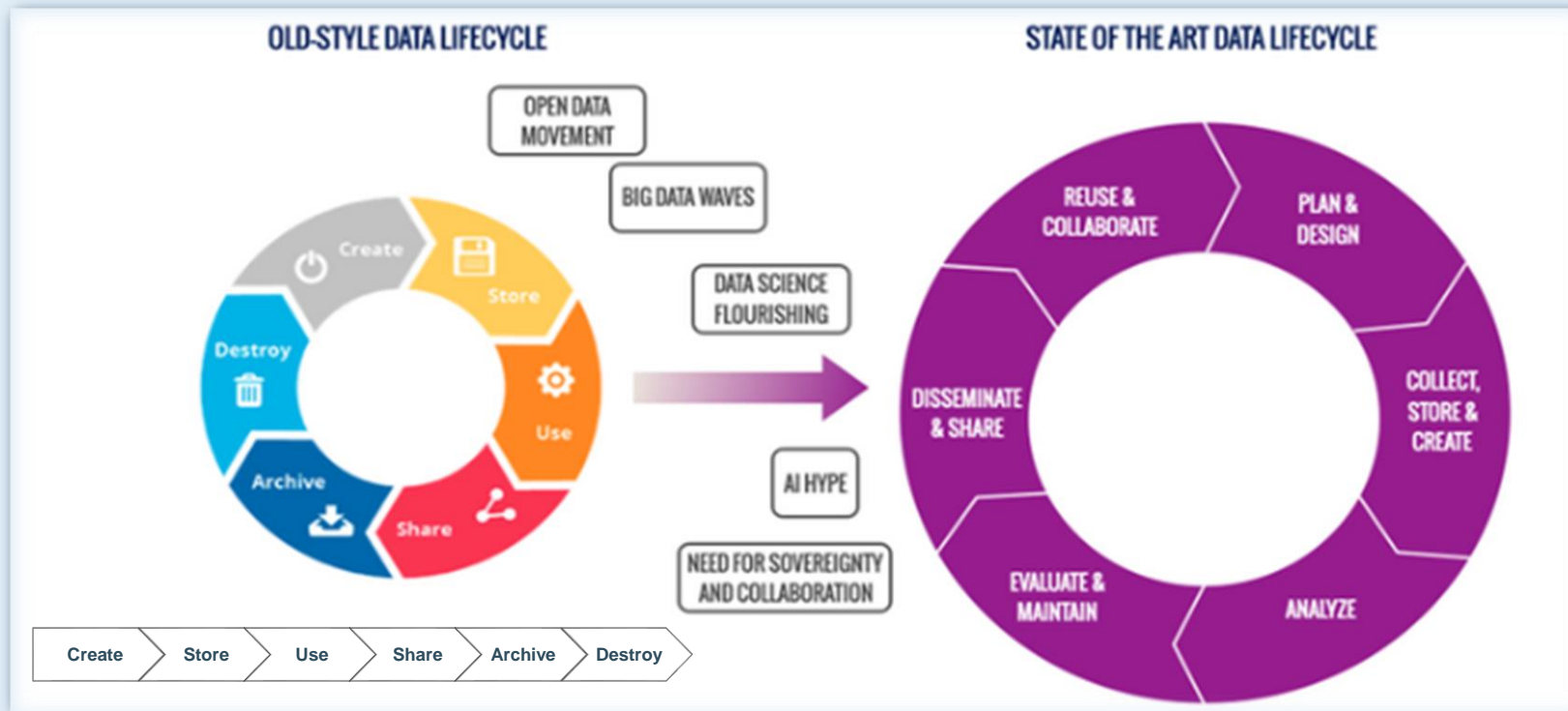


# One request, many languages

Collection of data and attributes  
developed by multiple parties

No top-down system

# Open, dynamic environments



Maintain balance  
between data  
sharing and data  
protection



# “Data” is at the center

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## **PROTECTION**

Focal point for application

Objective categorisation

Separation

Individual

## **SHARING**

Syntax of data

Closed environments of data sharing

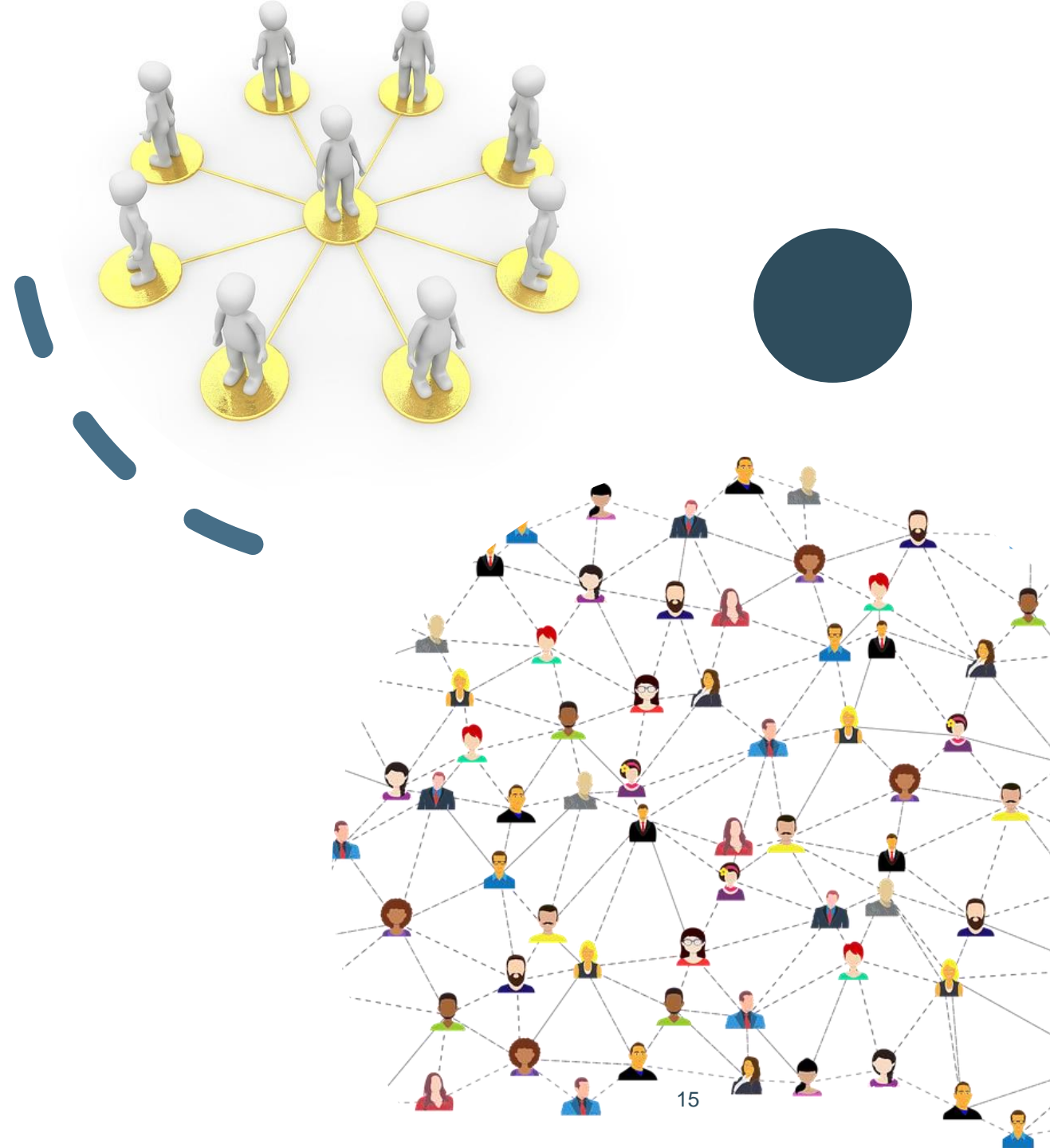


# Balance affected

Separation - Interconnection

Individual – Collective

Data sharing – Knowledge sharing





# Common threads as a starting point

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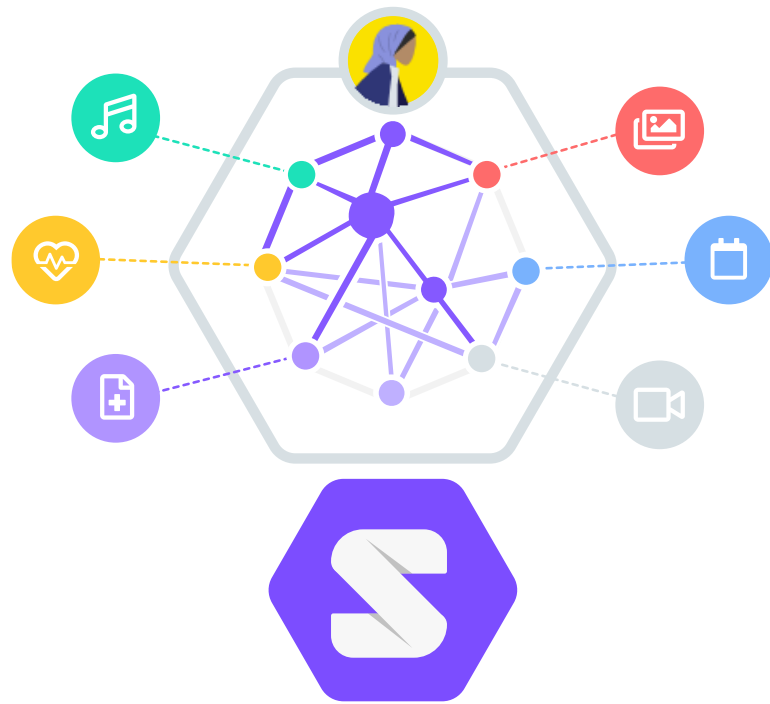
Division of responsibilities

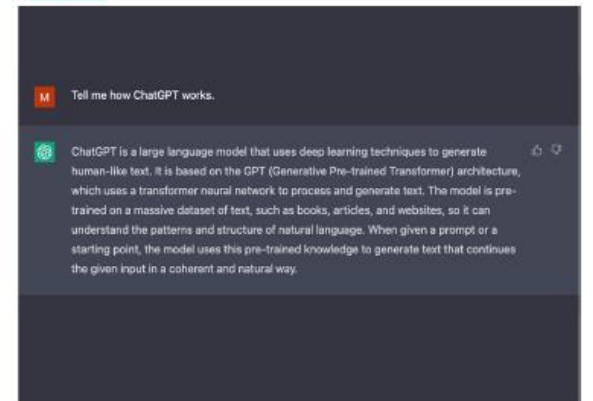
Collective dimension

Information-induced harms



# Balance between individual and collective?





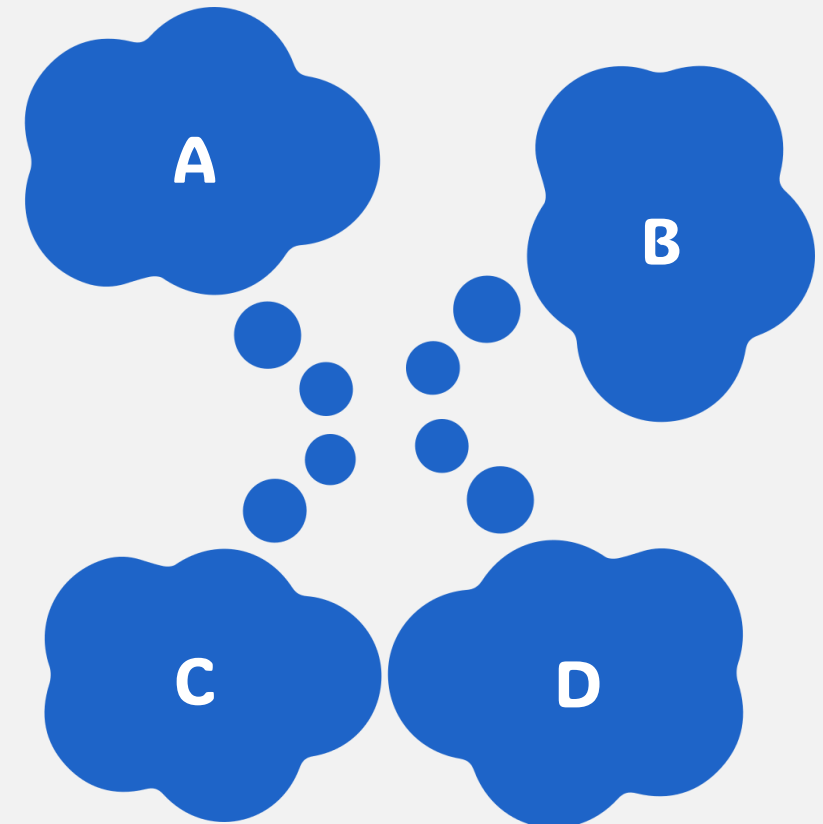
# What do you think?



- 1 Go to **wooclap.com**
- 2 Enter the event code **IMECSOLID** in the top banner

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How can we best balance the individual and the collective when processing data in a (semantically interoperable) ecosystem?





# Questions?

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