

Requirements for the EU BON biodiversity portal from the perspective of the citizen science community

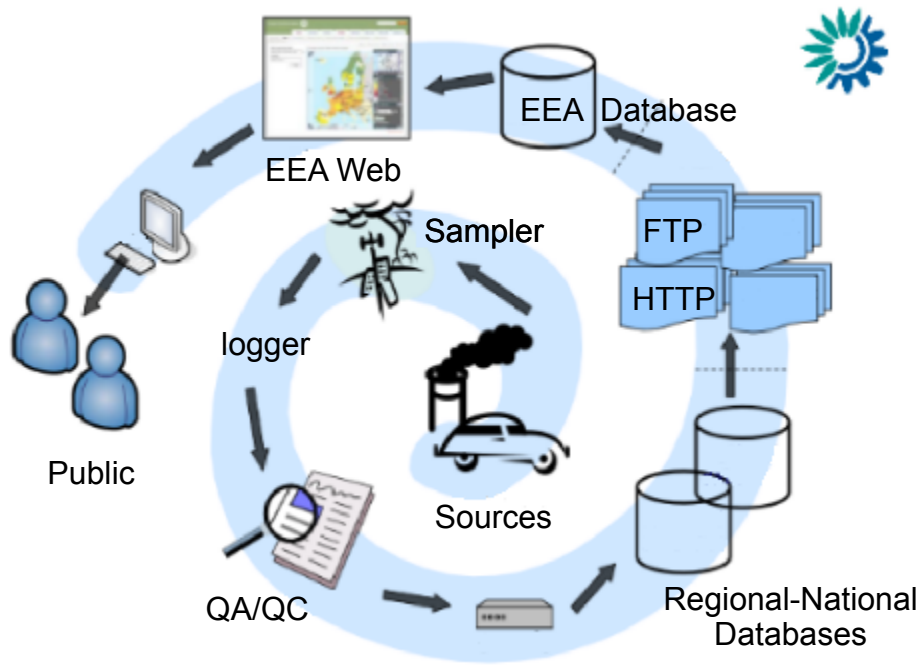
EU BON Roundtable

J. Piera

Institute of Marine Sciences (ICM-CSIC)
European Citizen Science Association (ECSA)

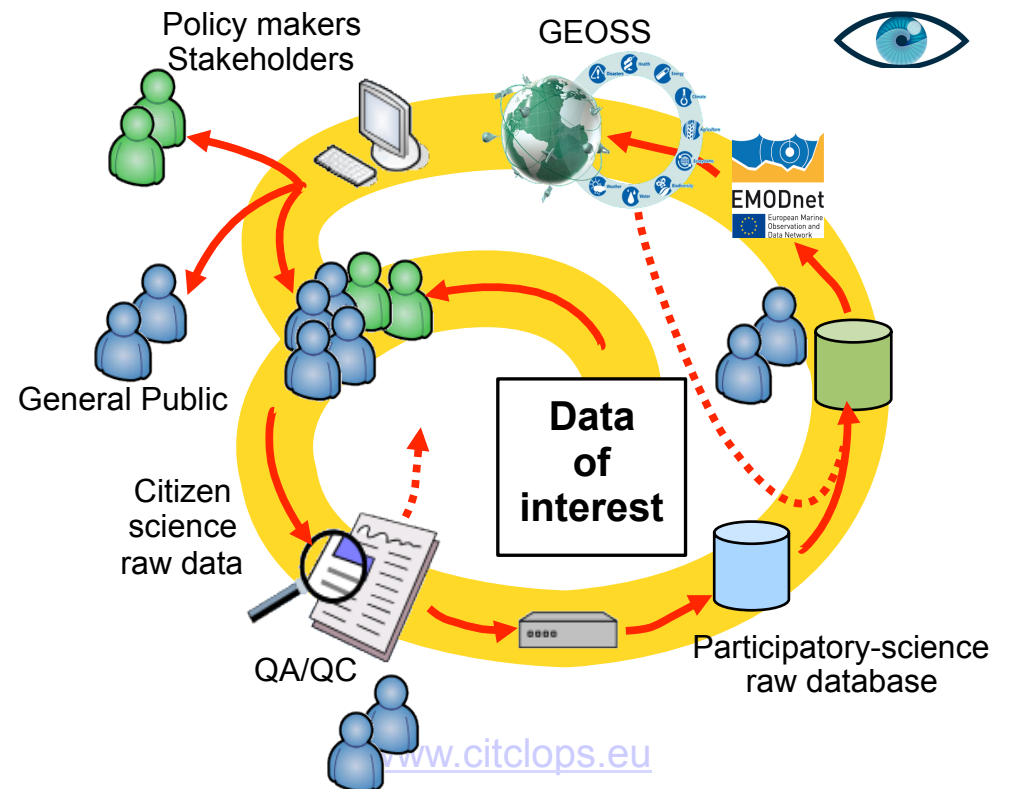
Requirements (I): Role of citizens

Conventional monitoring chain



Pollution monitoring
(Environmental European Agency)

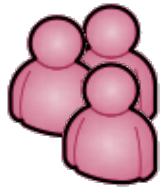
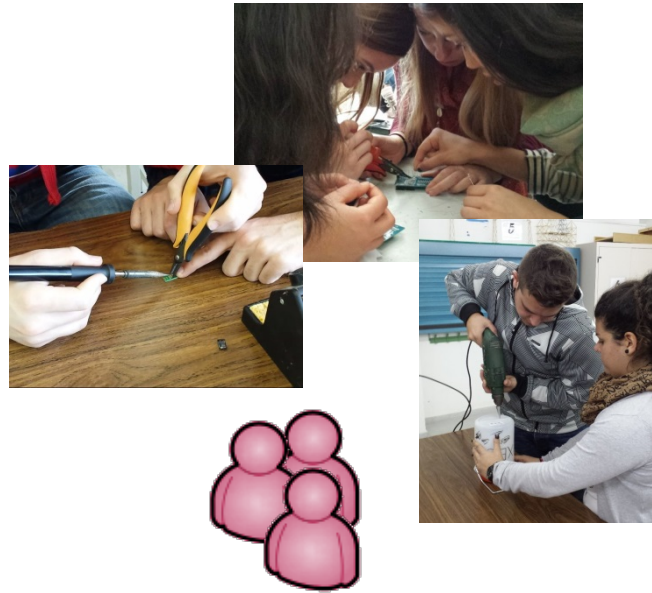
Citizen Science monitoring chain
(closing the loop)



www.citclops.eu

Requirements (I): Role of citizens

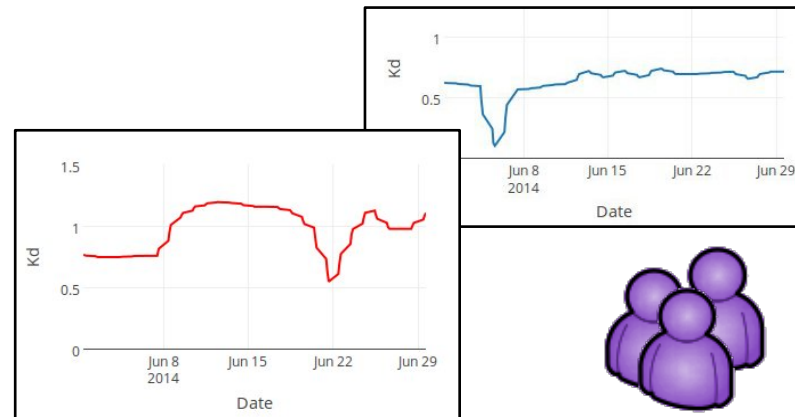
Collaborative Citizen Science



**Devices (DIY)
Developers**



**Sampling
Volunteers**

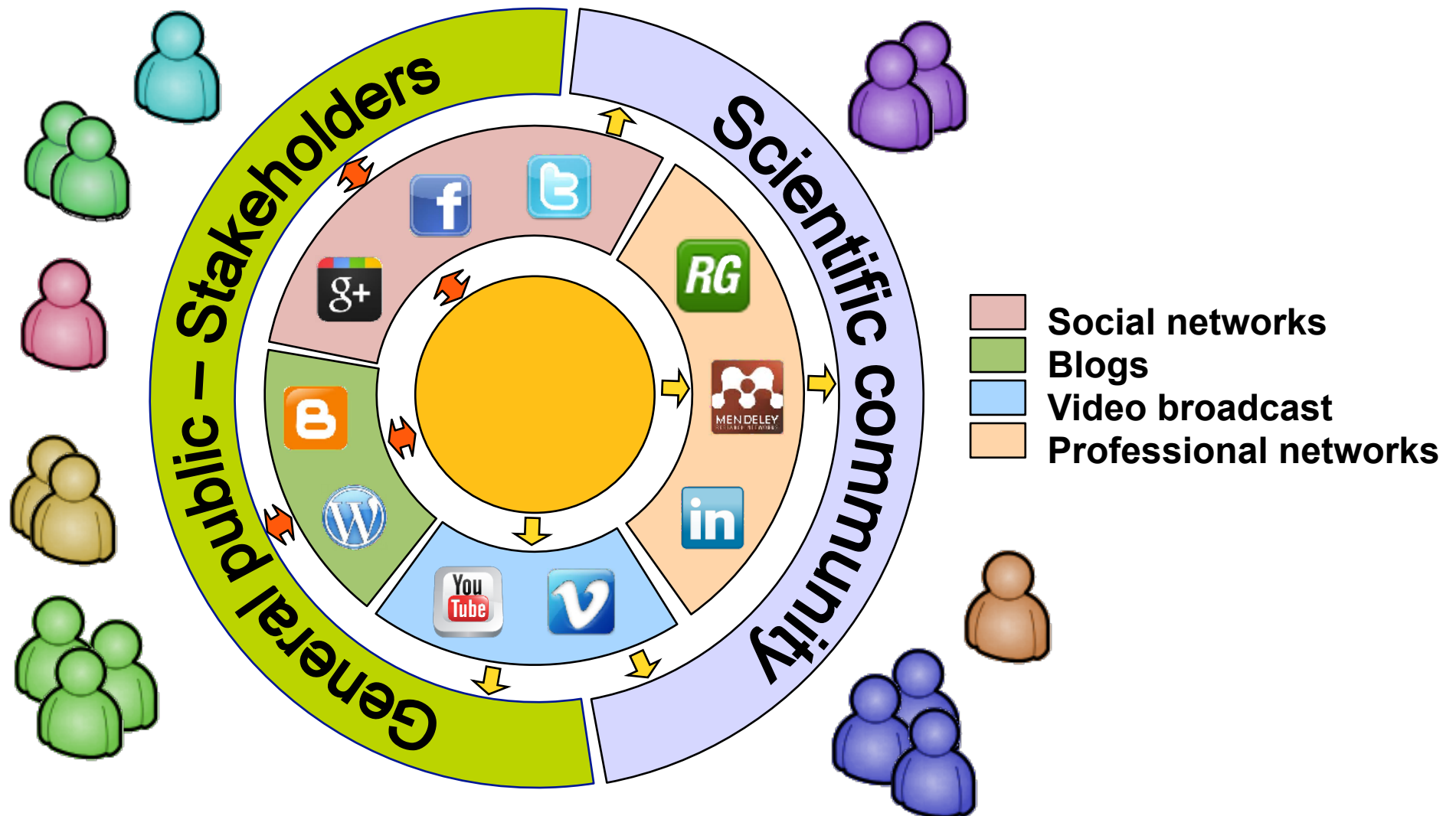


Data Analysers



Requirements (II): Engagement

Social media channels: integrating communities



Requirements in a CS portal

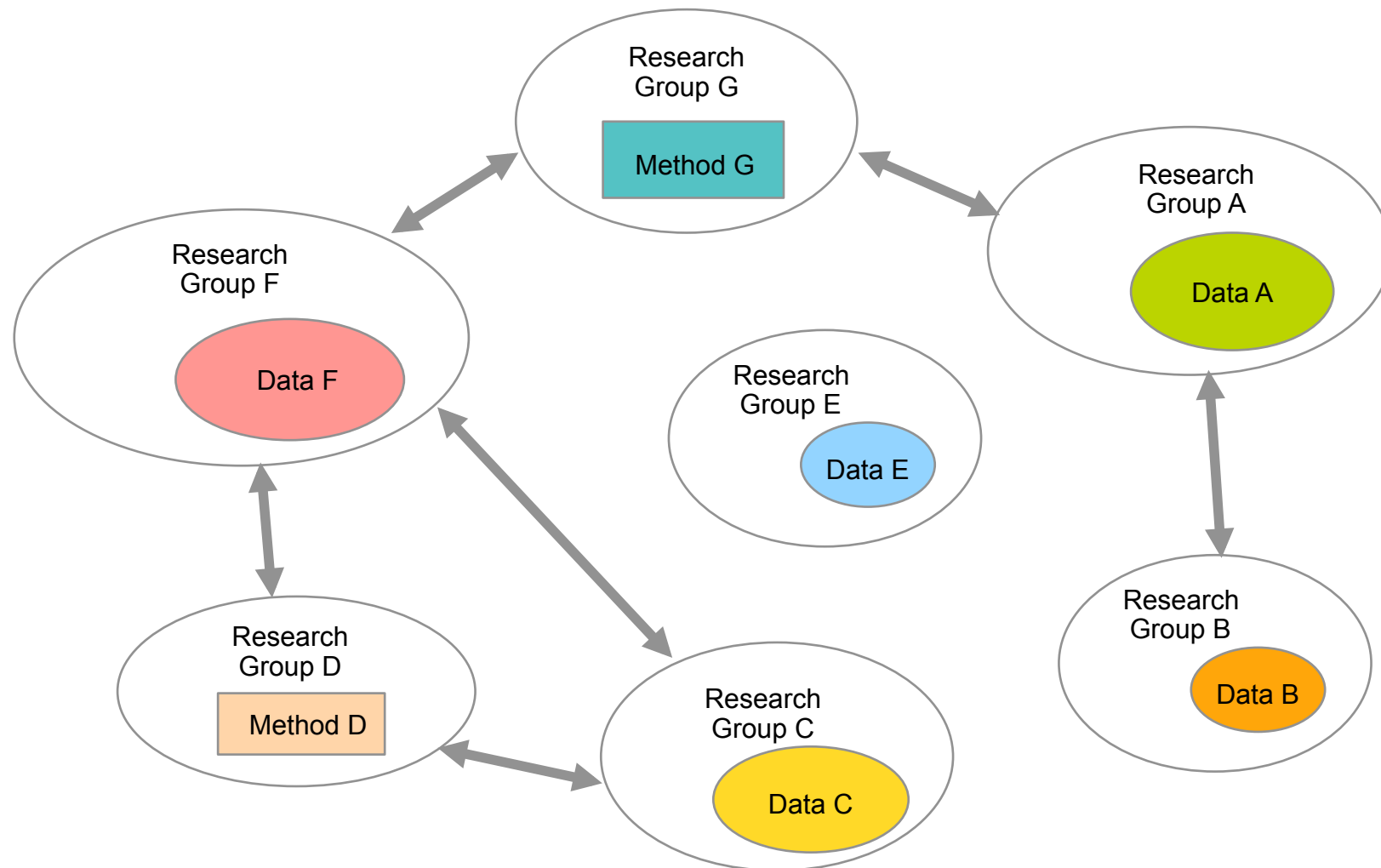
- Engagement
- Data qualification (“validation”)
- Tracking systems
 - Who is using my data ?
 - What for ?
- Privacy rules
- System integration

Some reflexions on Open Data in Environmental Research ...

Who is using my data ?

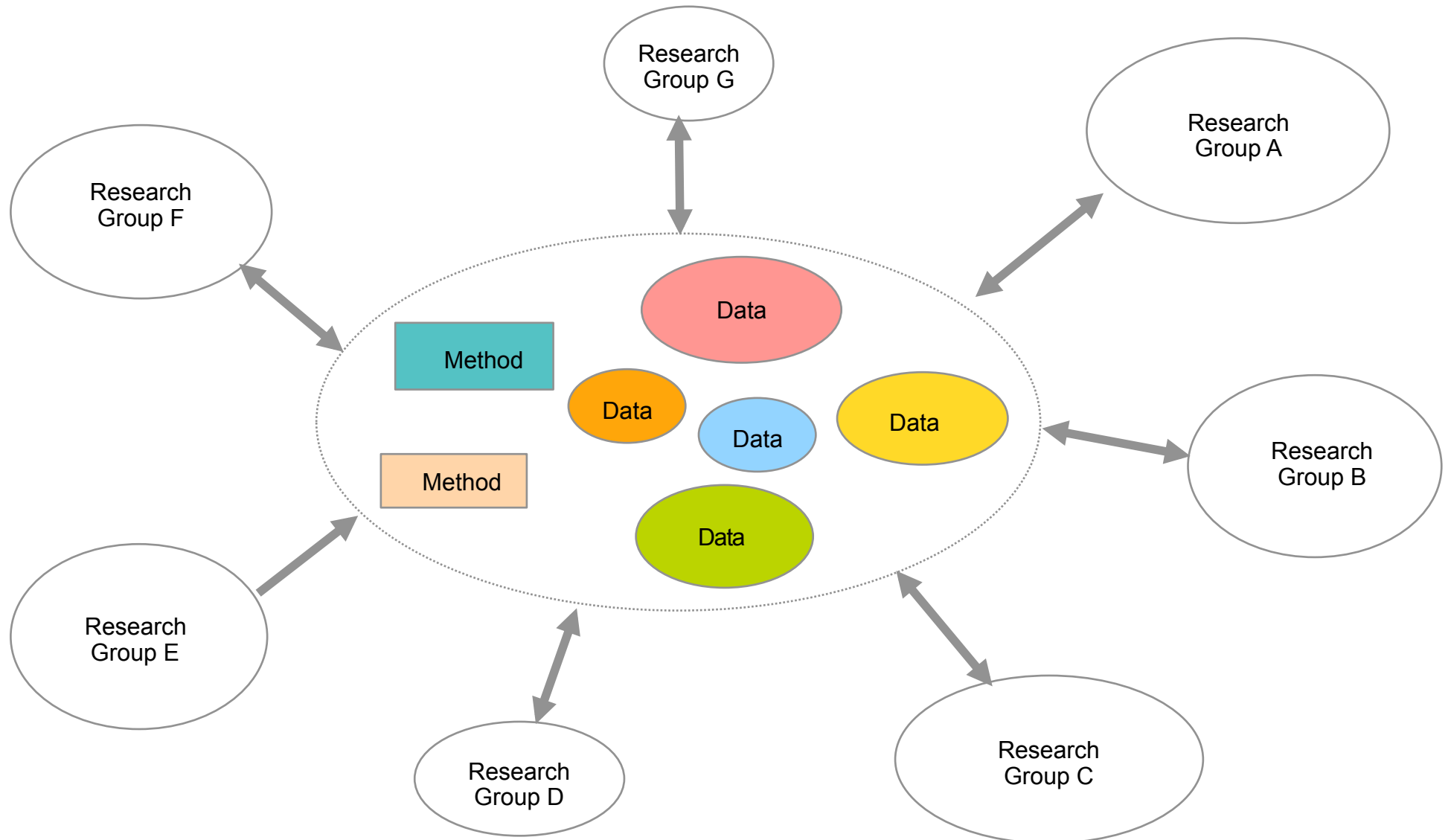
Conventional “Integrated” Experimental Research

Data and knowledge exchange based on “local” agreements between different research groups



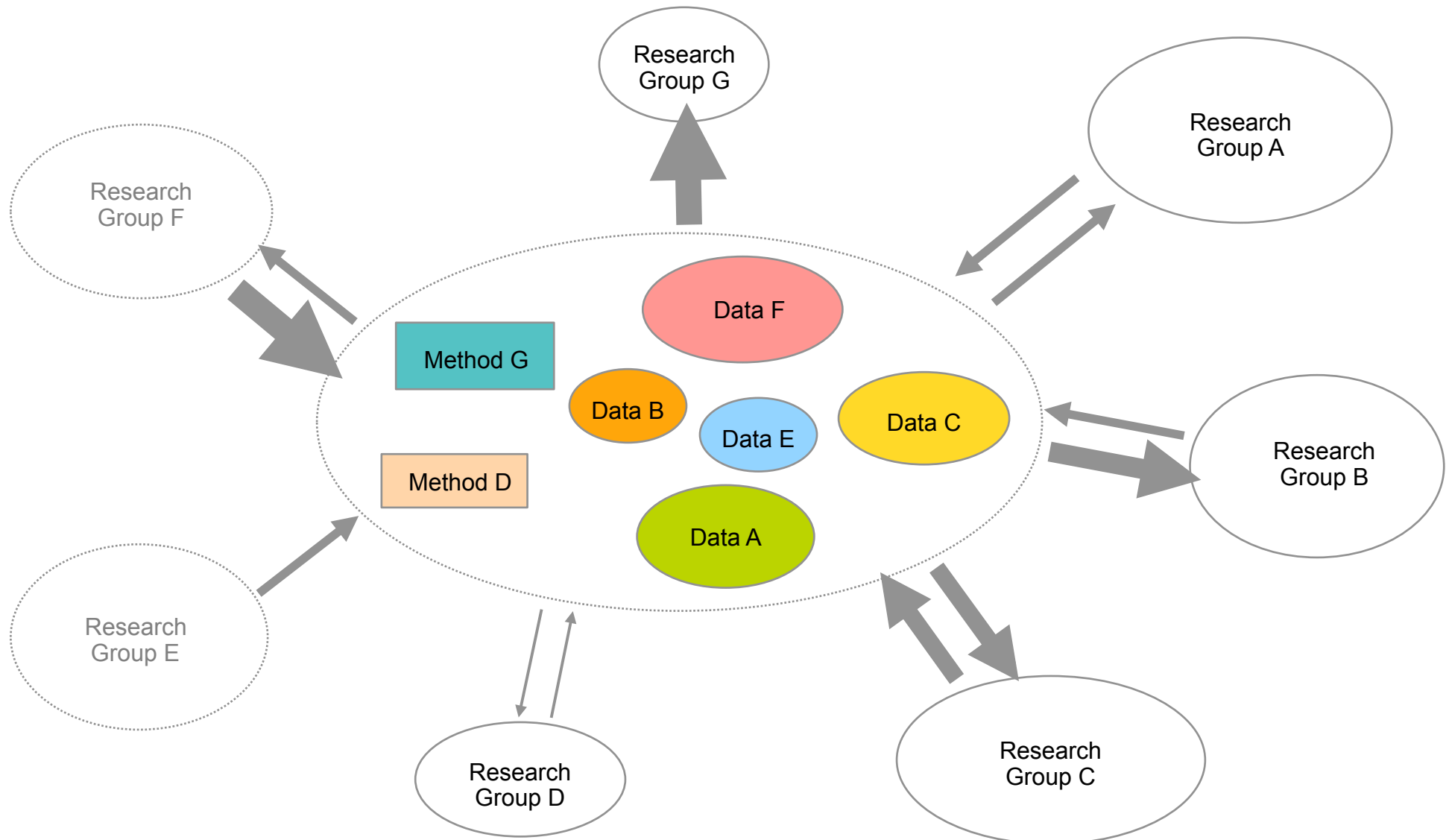
Integrated Experimental Research with Open Science. New paradigm

Data and knowledge “properties” are lost



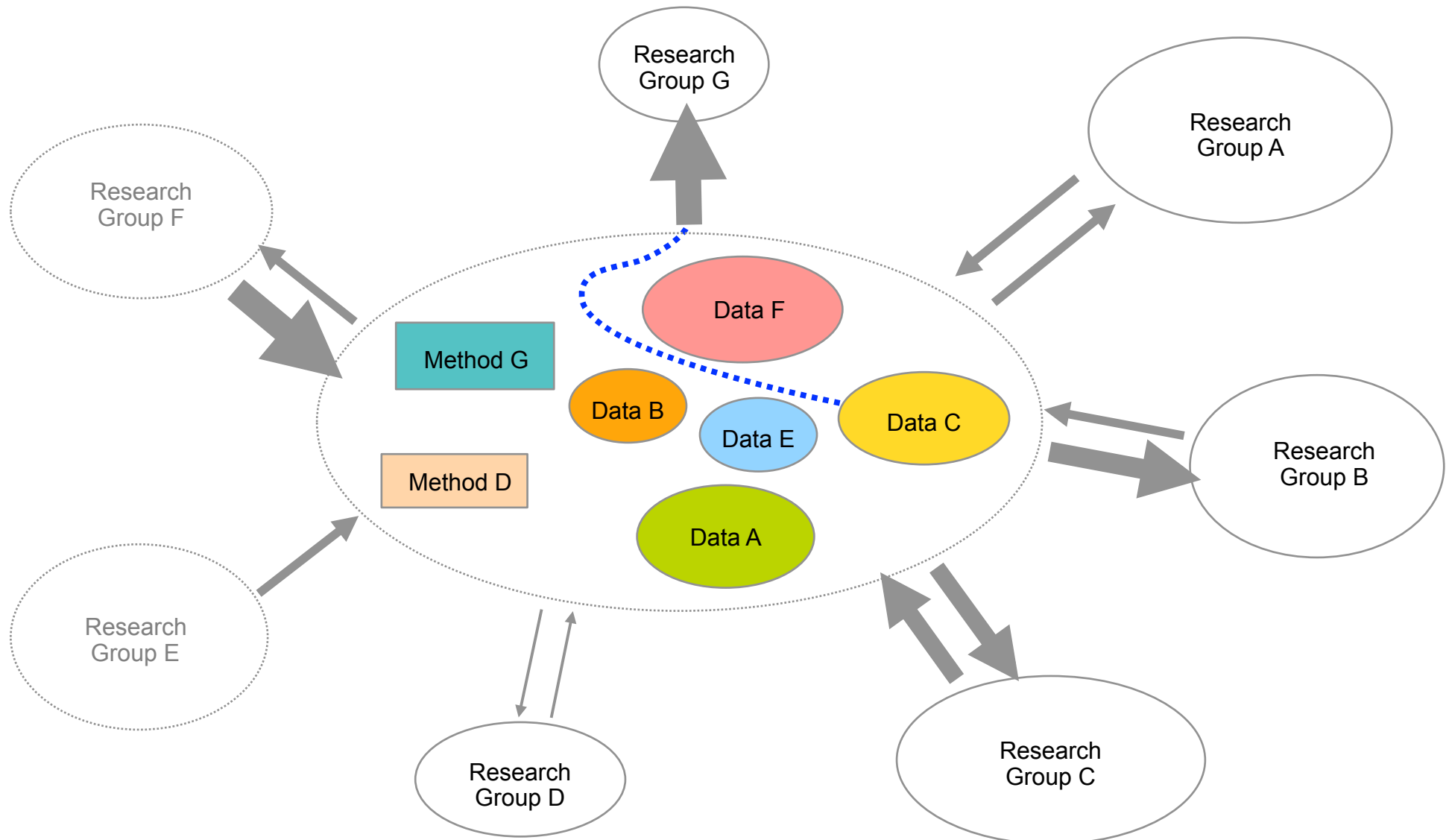
Integrated Experimental Research with Open Science. New paradigm

Data and knowledge “properties” are lost
Contributions from different research entities will not be equal



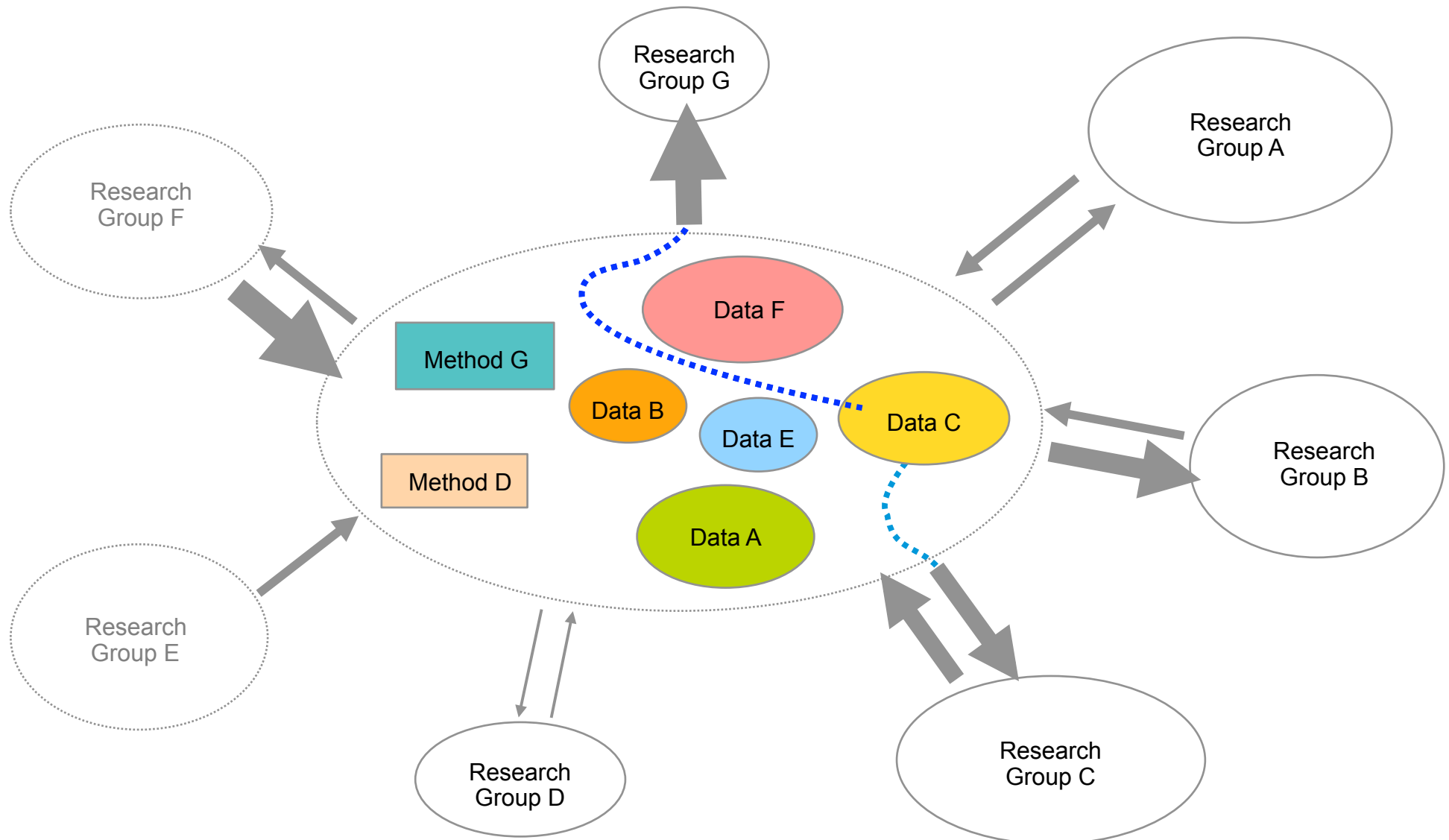
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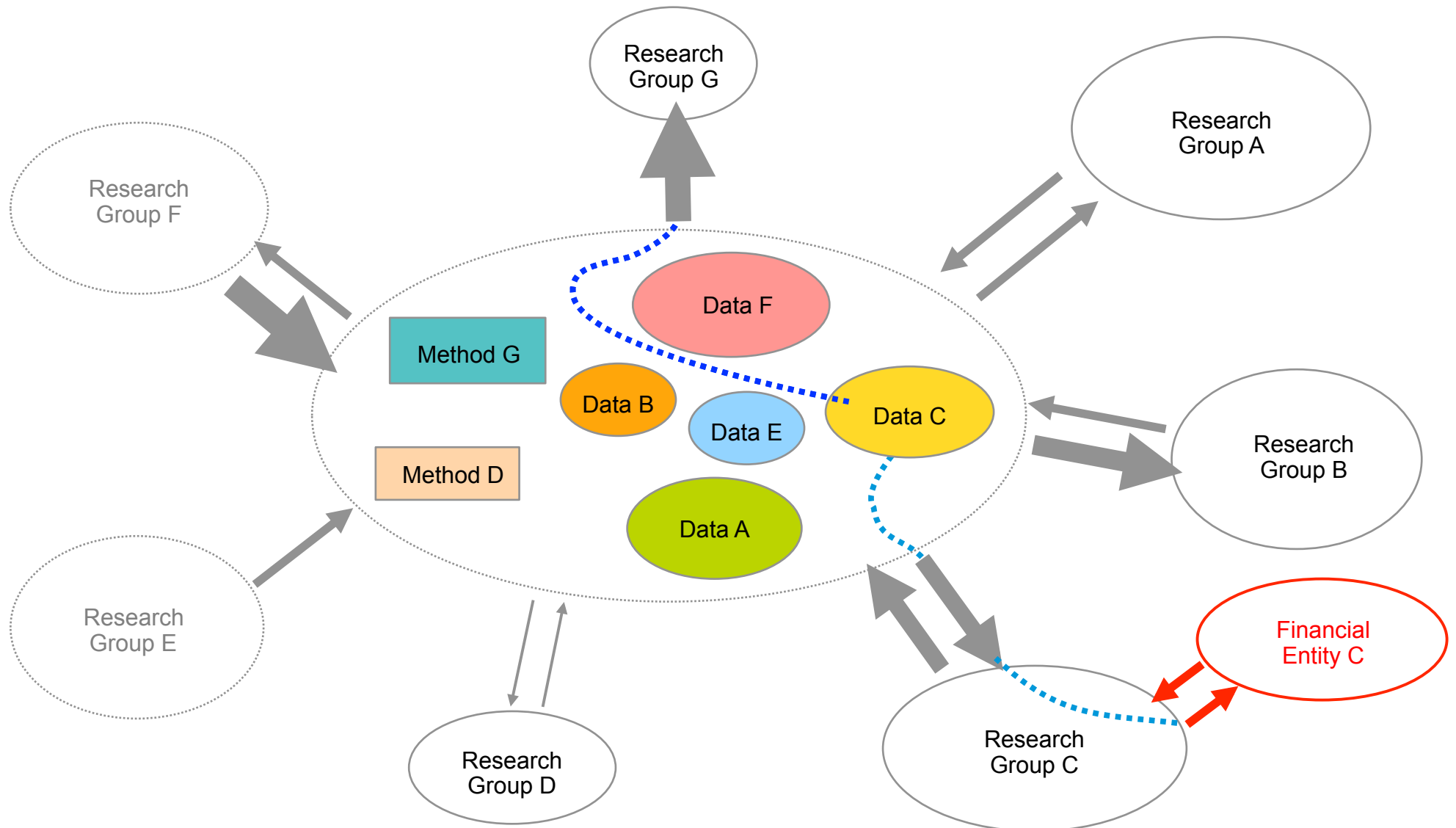
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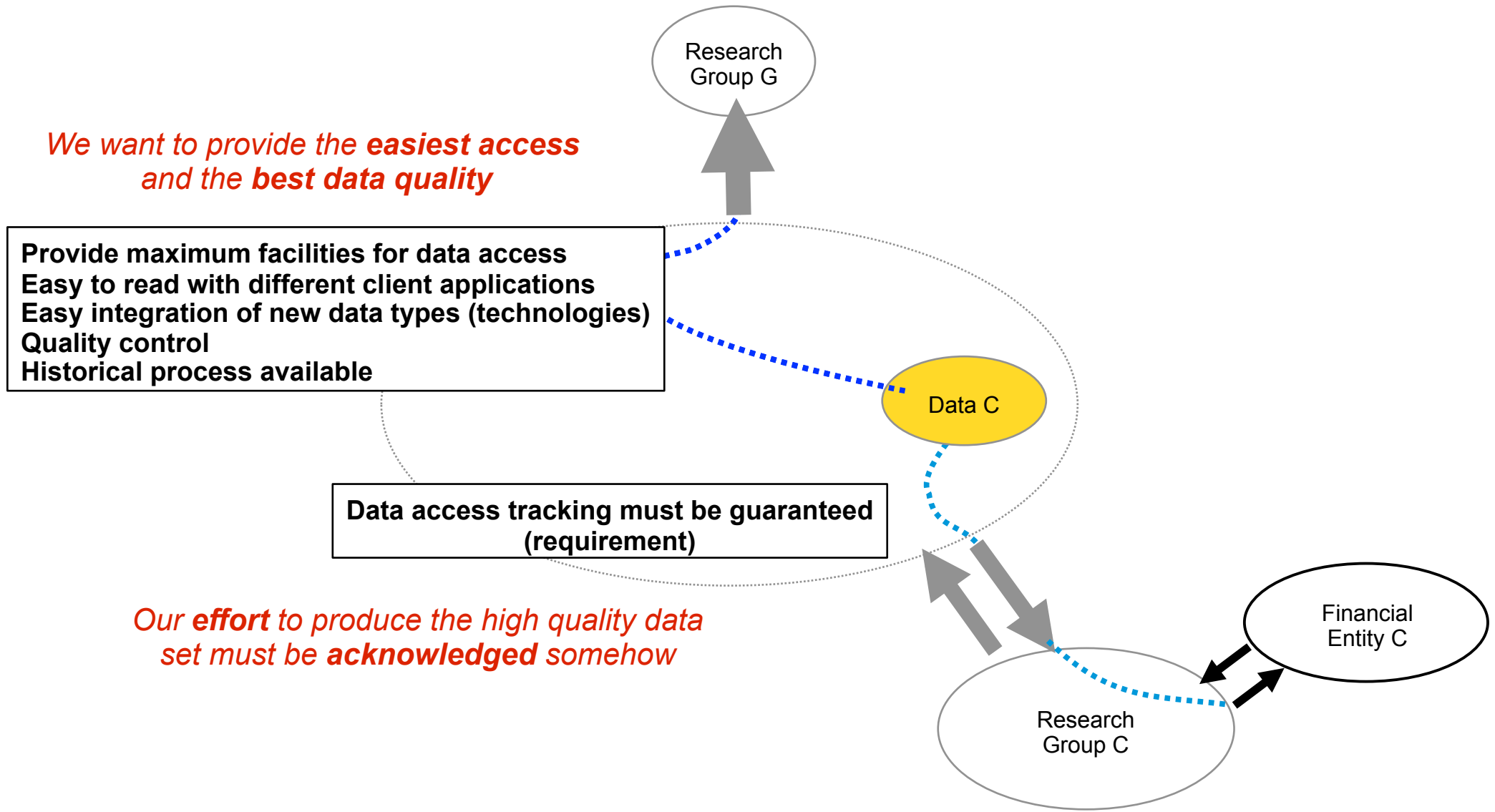
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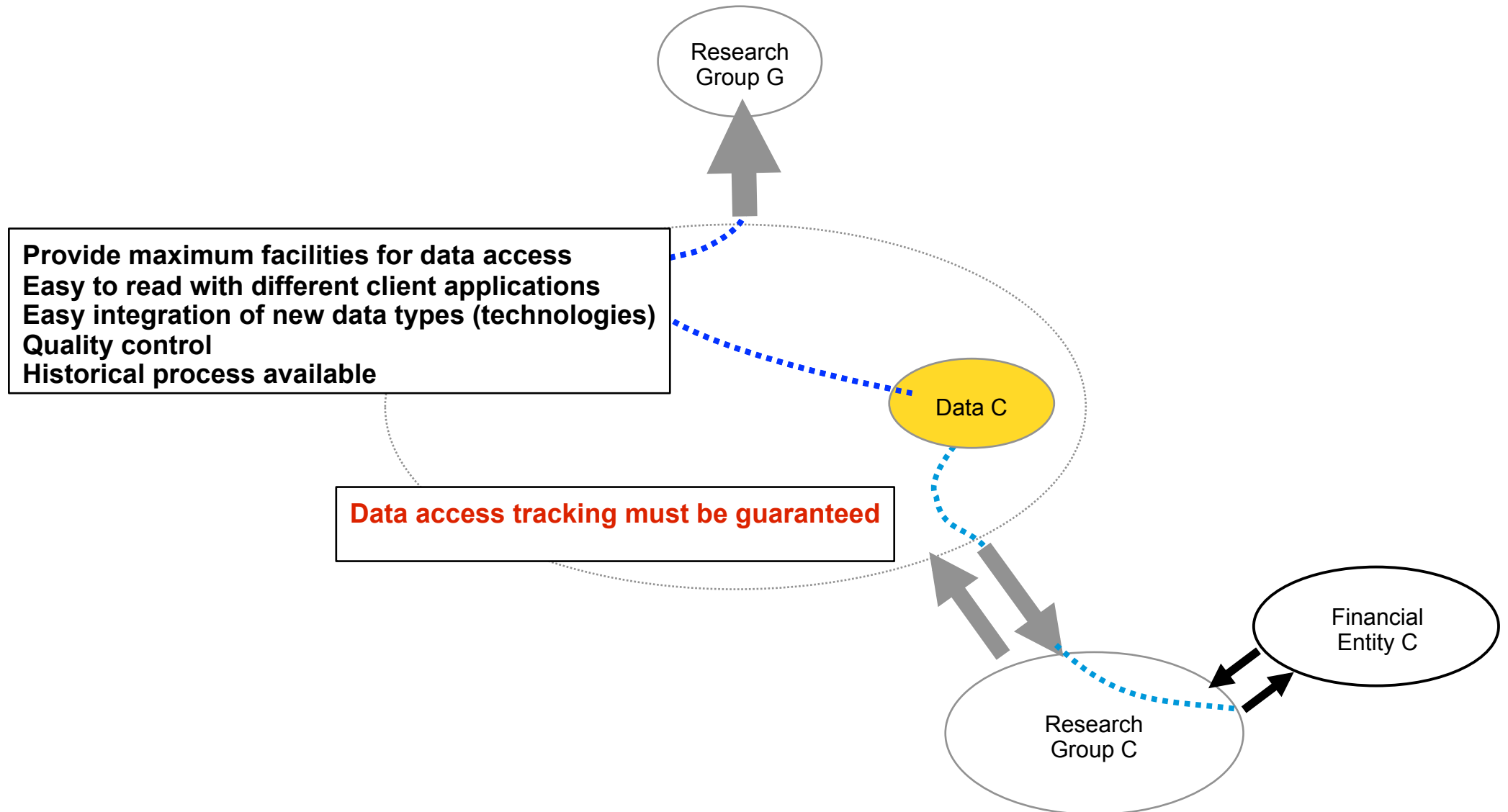
Citizen Science Web Portal. Conceptual requirements

What we want as a “data producers” ?



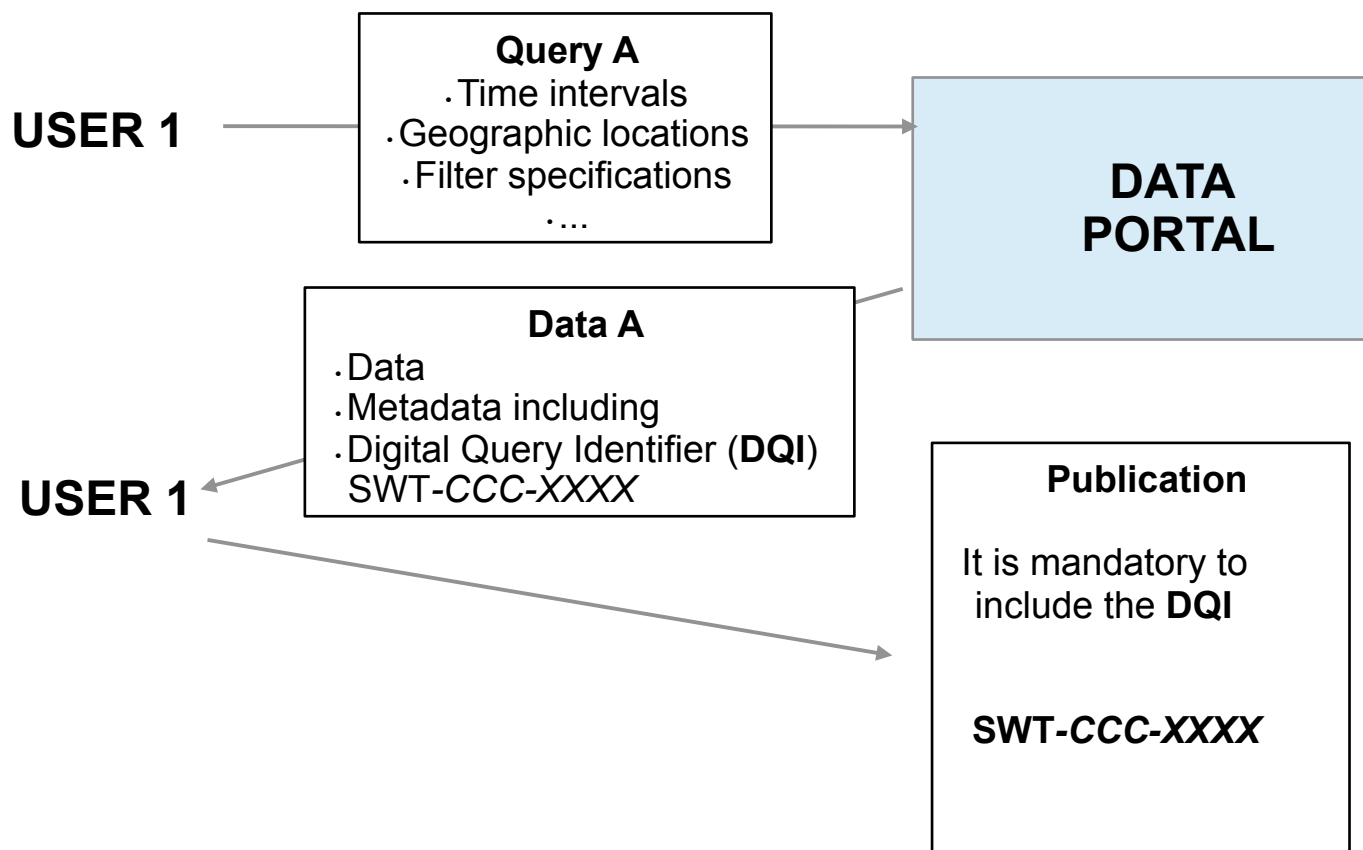
Web Portal. Conceptual requirements

What we want as a “data producers” ?



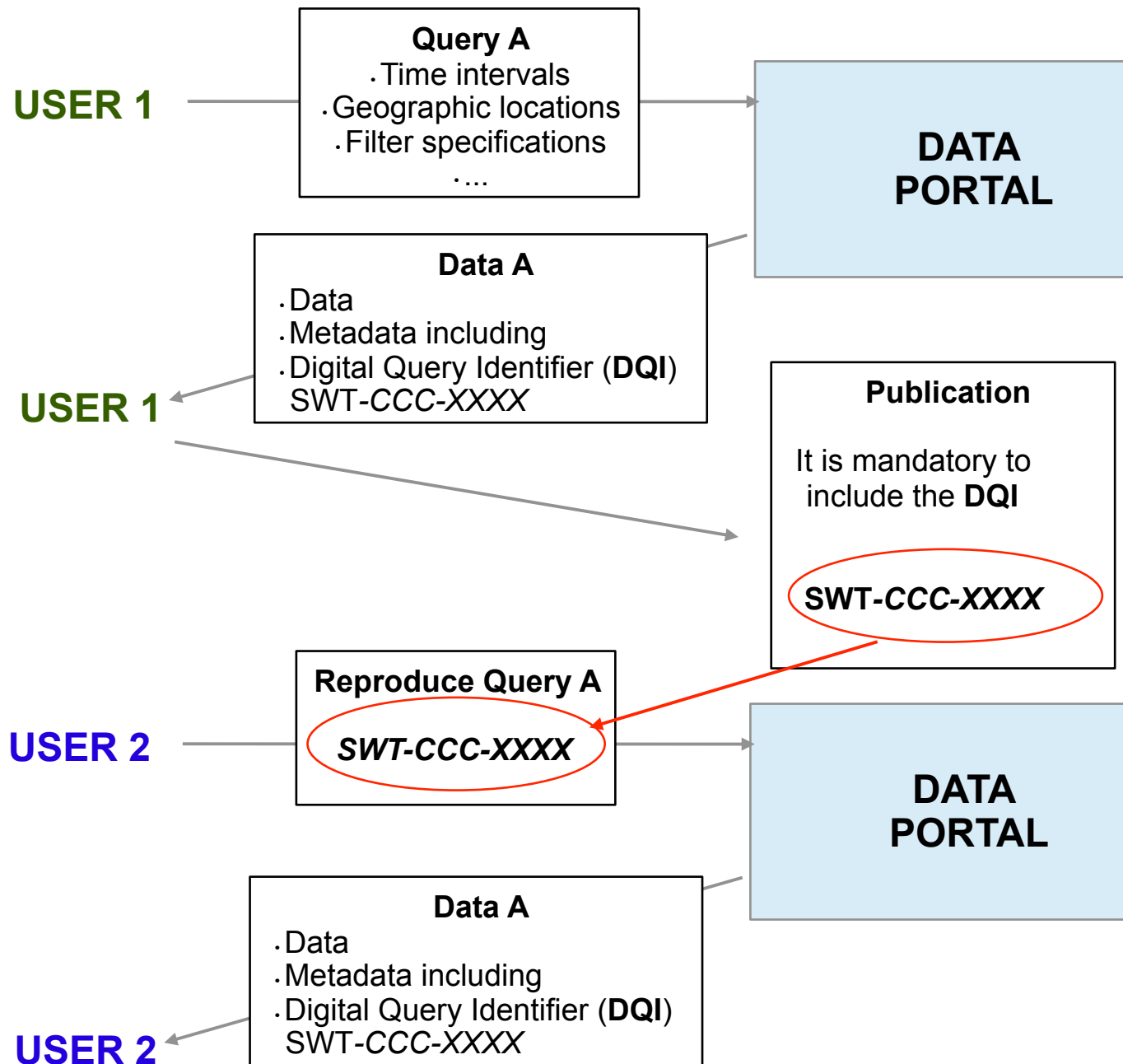
Data access tracking

We propose to develop a data access tracking system based on a **Digital Query Identifier (DQI)**



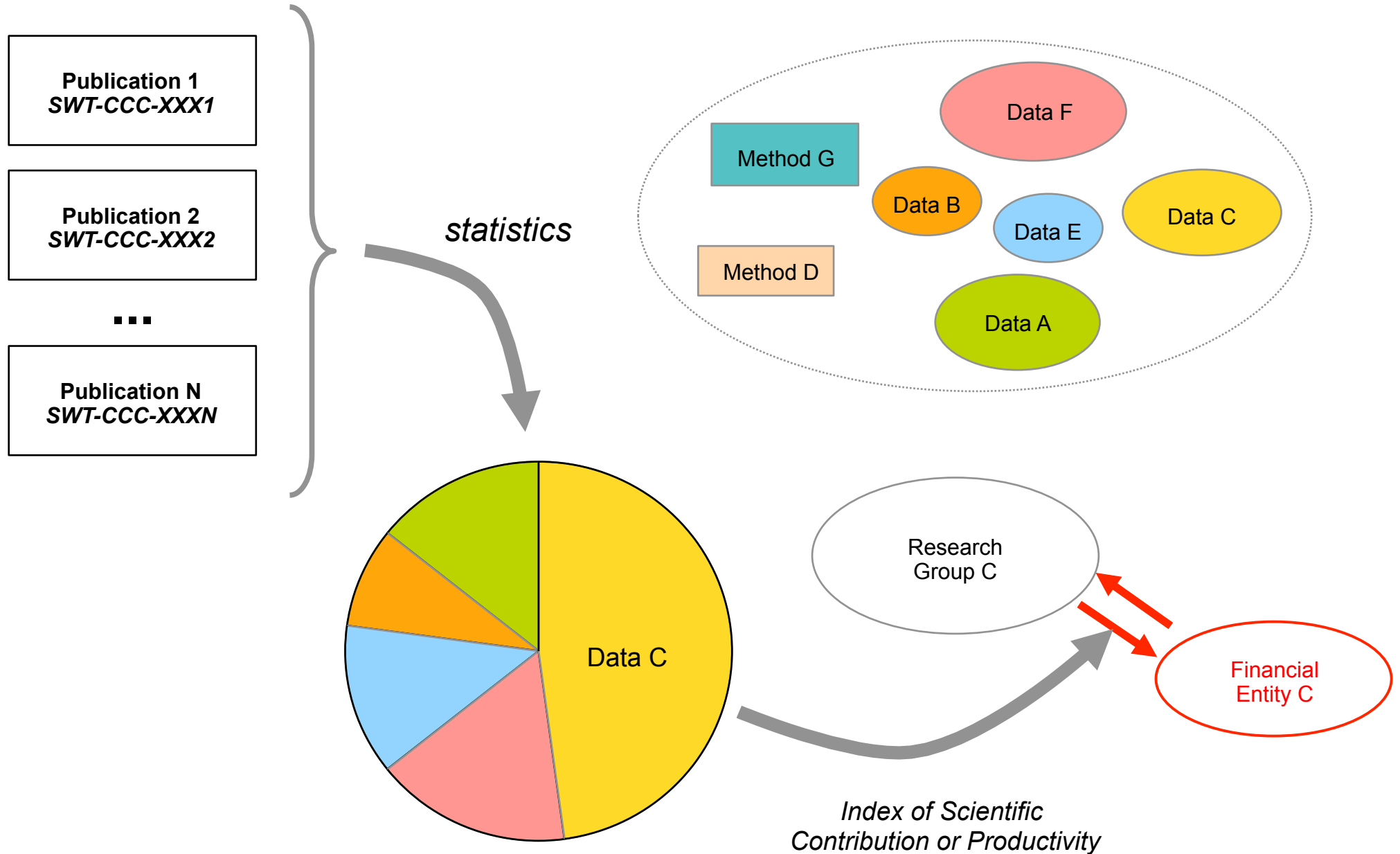
Advantages of Data access tracking (I)

Reproducible query (research)



Advantages of Data access tracking (II)

Data Citation Statistics (Altmetrics)



Thank you

Questions?

