

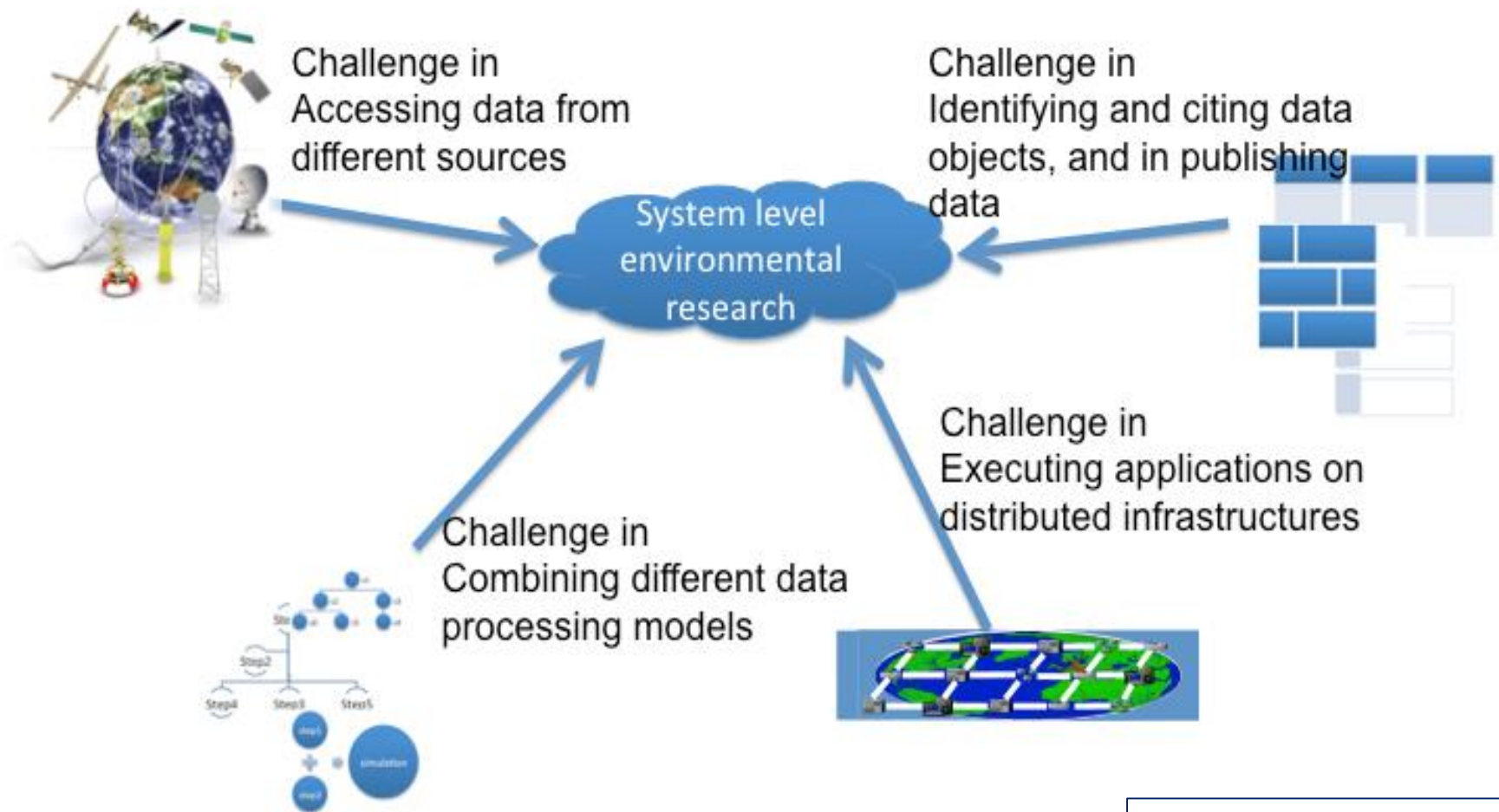


Joint meeting of IG Brokering and IG Data Fabric: Brokering services

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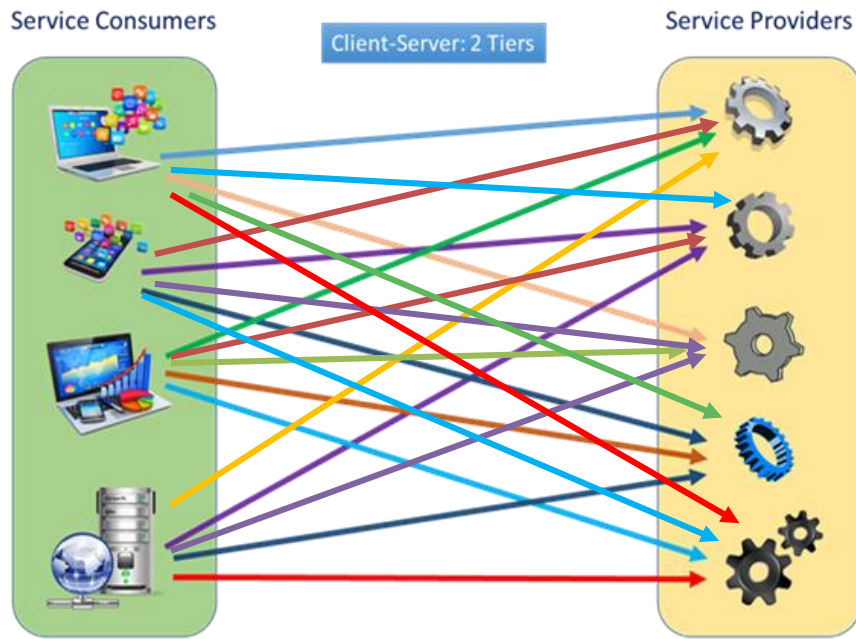
Brokering History

Interoperability Challenge

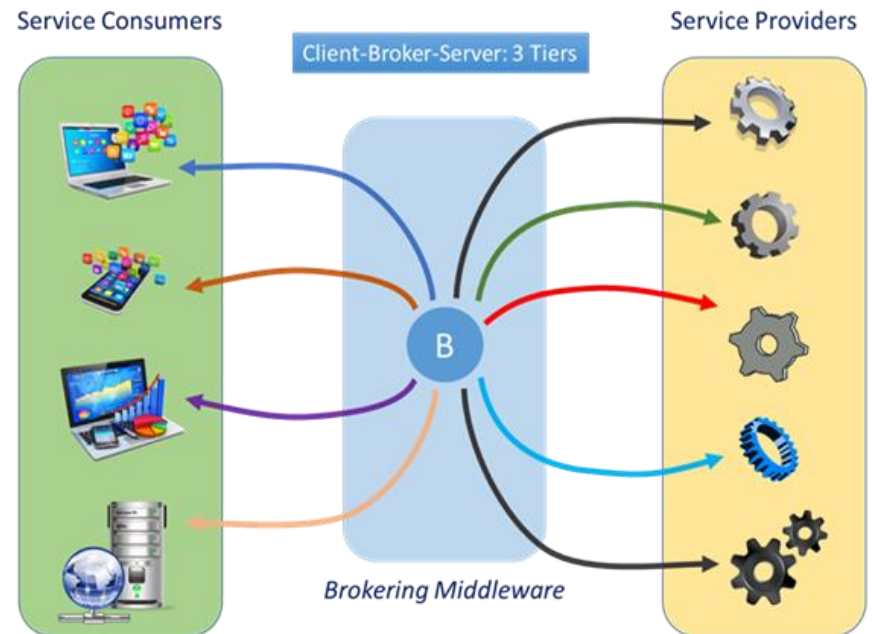


*Credit: Data Fabric IG
Envri+ use Case*

Service Brokering Pattern

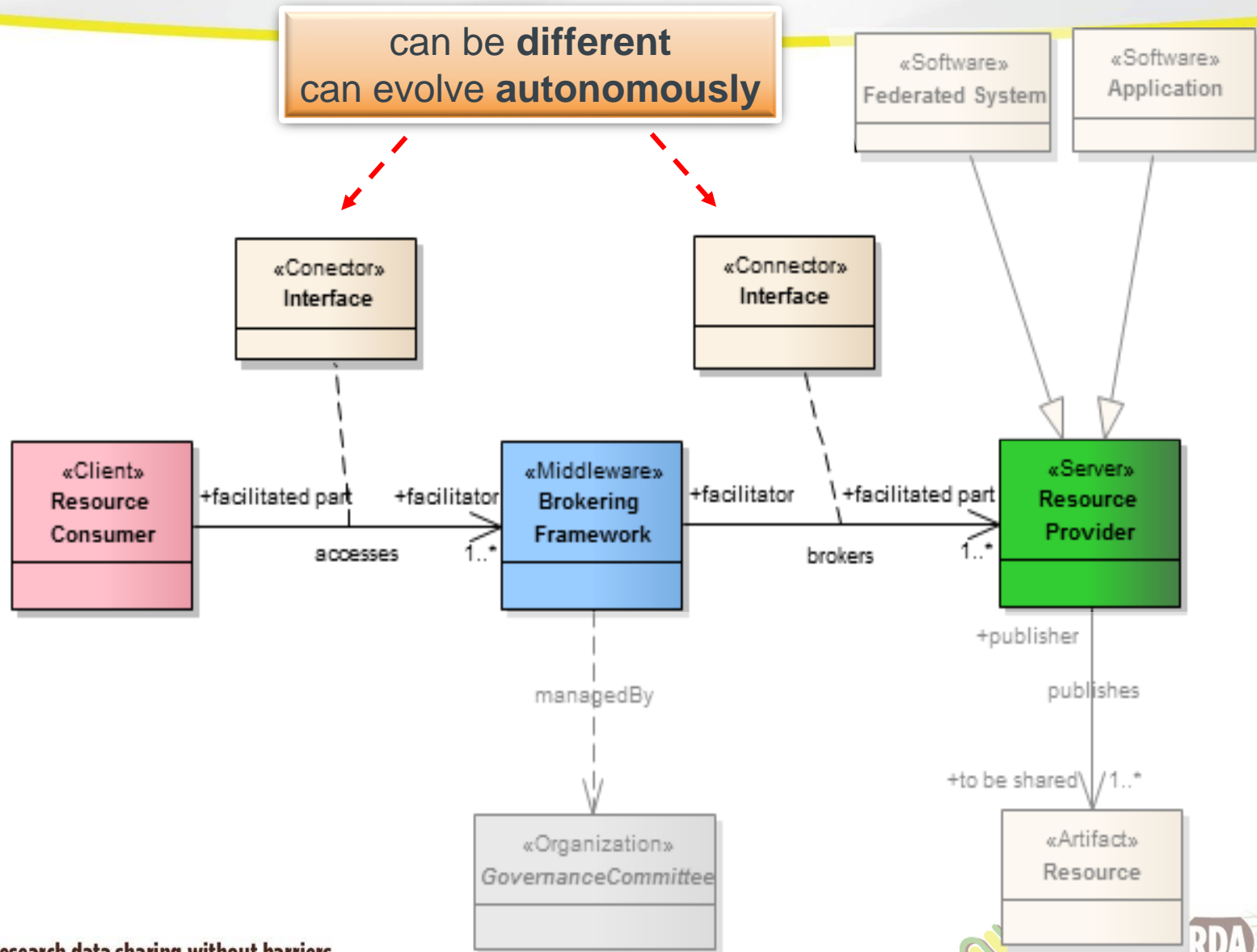


Traditional SOA
($N \times M$ connections)



Advanced B-SOA
($N + M$ connections)

Scope



Virtualization of data supply systems

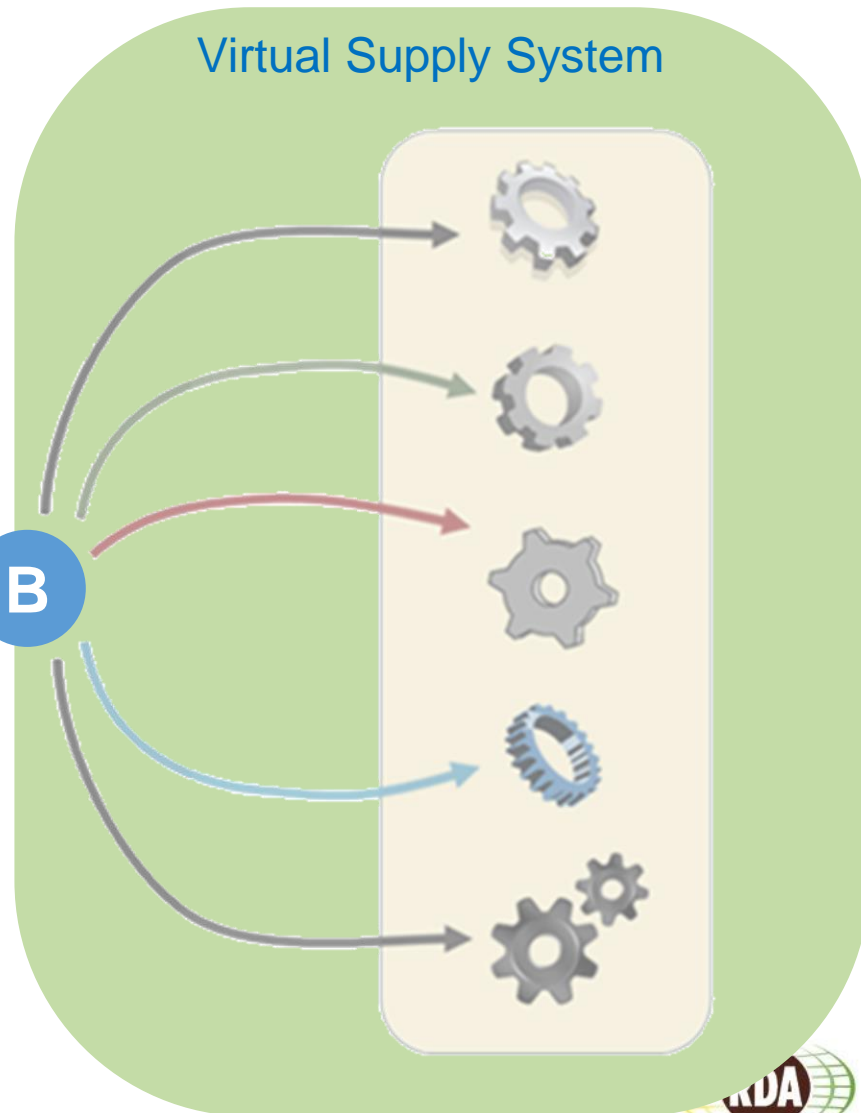
6

End/Intermediate User



B

Virtual Supply System



The Broker that (effectively) works in a heterogeneous environment containing multiple remote objects that interact synchronously or asynchronously typically demonstrates the ability to:

1. Finalize requests on behalf of its clients against a vast supply system –e.g. by transforming different interoperability protocols;
2. Support many clients at the same time in a dynamic way;
3. Access large, distributed, and heterogeneous supply systems in a dynamic way;
4. Is fully autonomous from its clients and accessed supply systems;
5. Is flexible and configurable (even at run-time);
6. Is extensible.

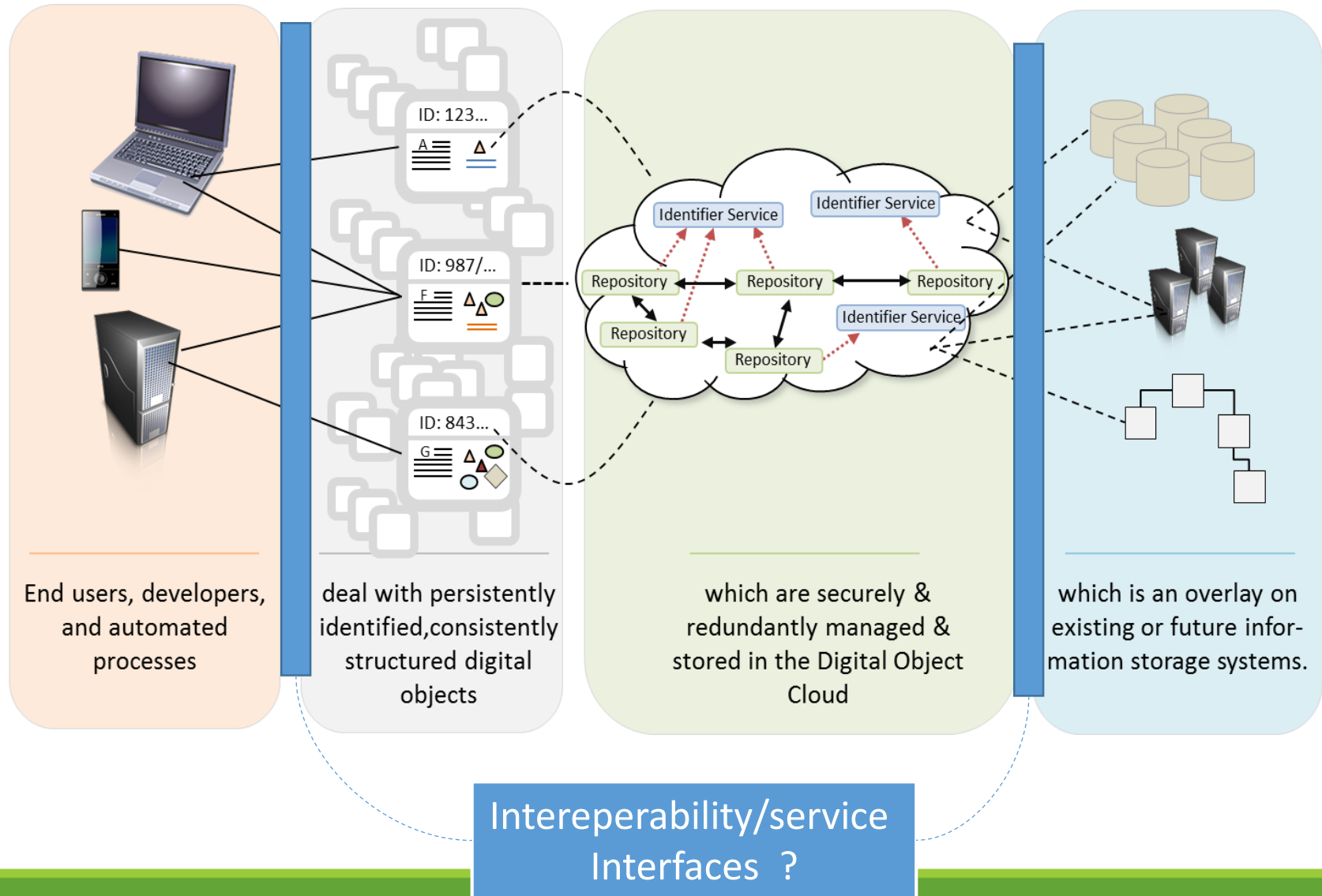
Service Brokering Benefits



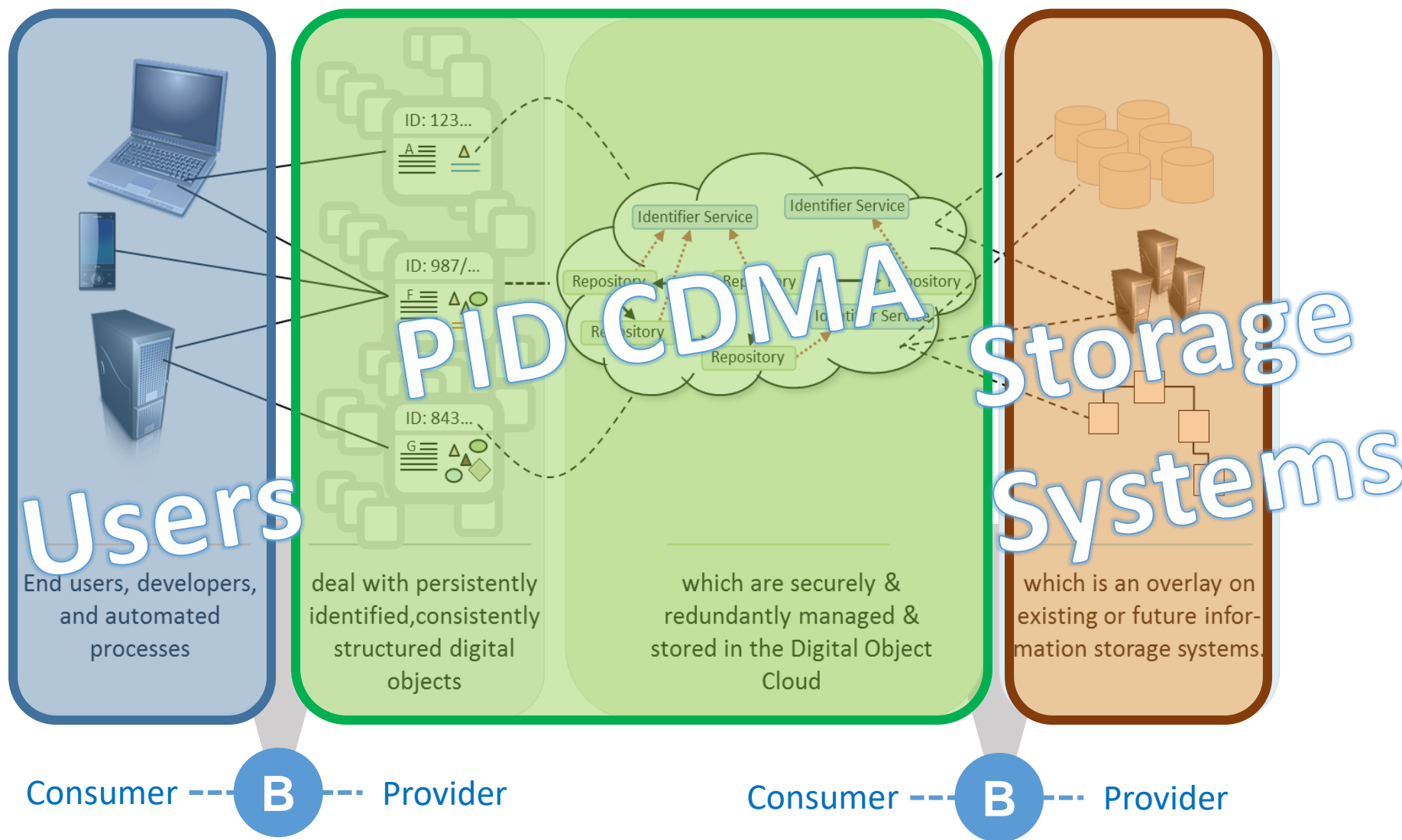
Credit: FP7 EuroGEOSS project

Possible collaborations

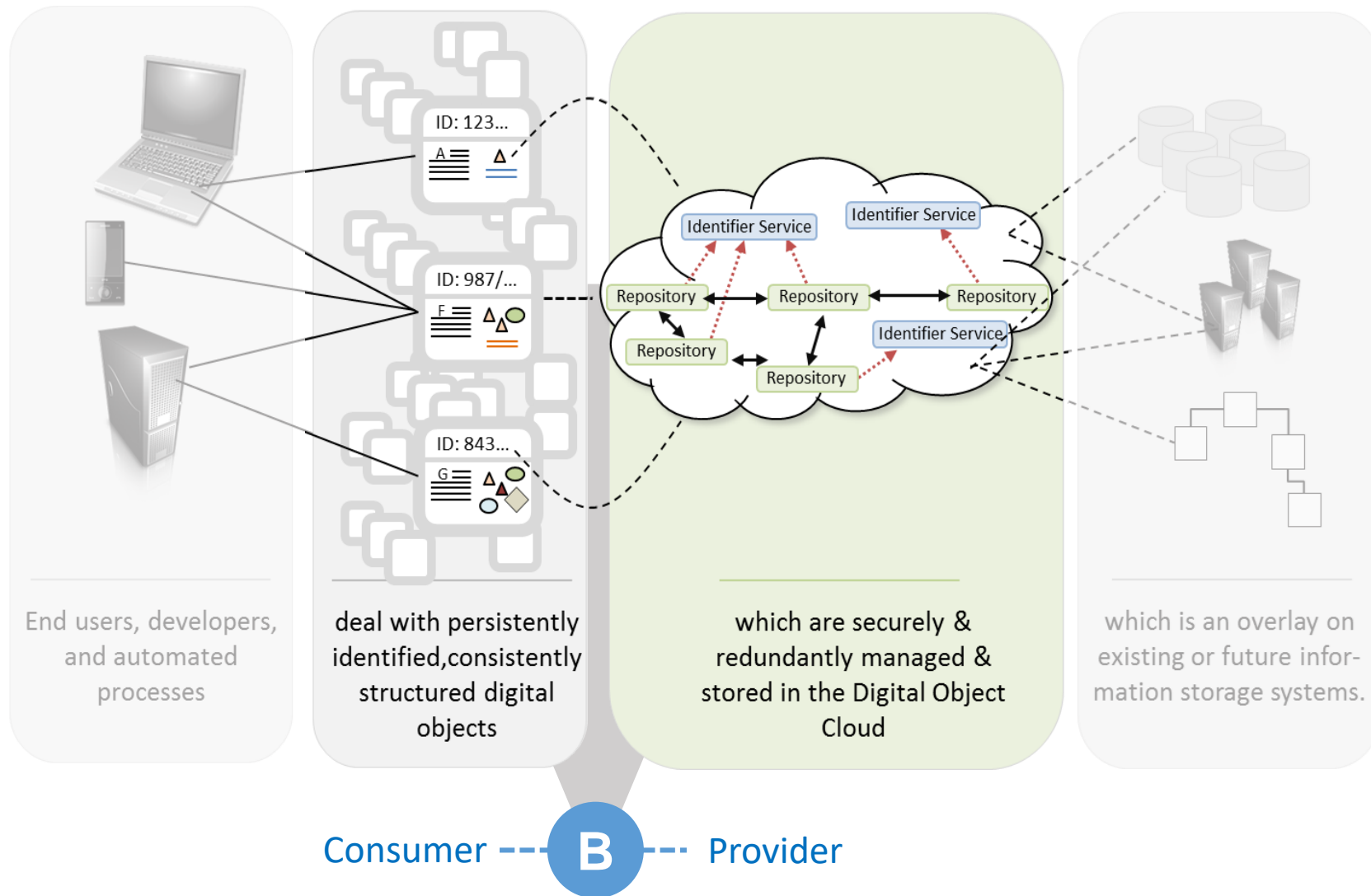
PID Centric Data Management and Access



PID Centric Data Management and Access



Map/mediate different Digital Objects



Thank you
for your Attention !

