

Linked Library Infrastructure

Martin Malmsten
Senior Systems Architect
National Library of Sweden

Background

- Libris is shared library infrastructure hosted by the National library since 1972
- Hosts central catalogue with bibliographic, holdings and authority data
- Shared cataloguing interface
- Lots of automatic import / export and enrichment
- Available as Linked Open Data since 2008

Since 2012 ...

- Building a new infrastructure based on Linked data
- Boldly declaring “Linked data or die!”
- Moving to RDA

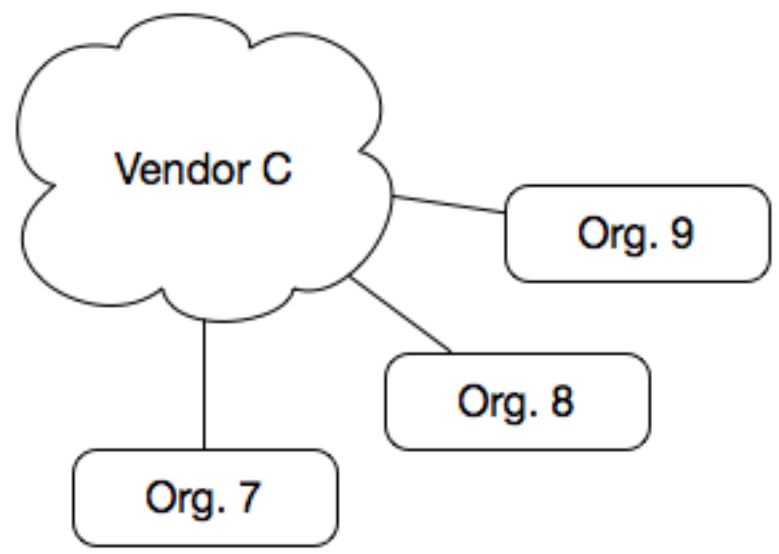
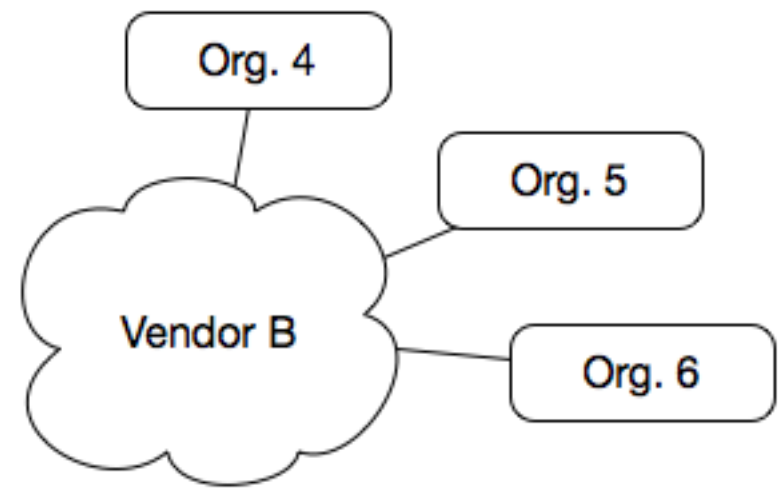
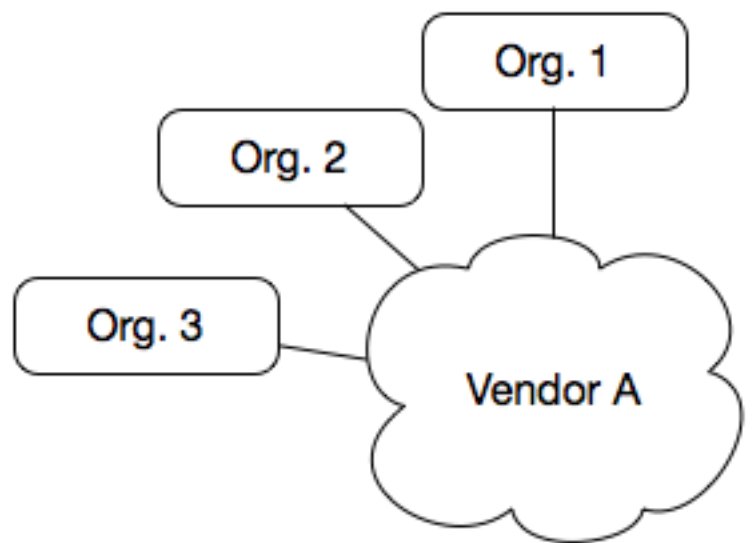
Why?

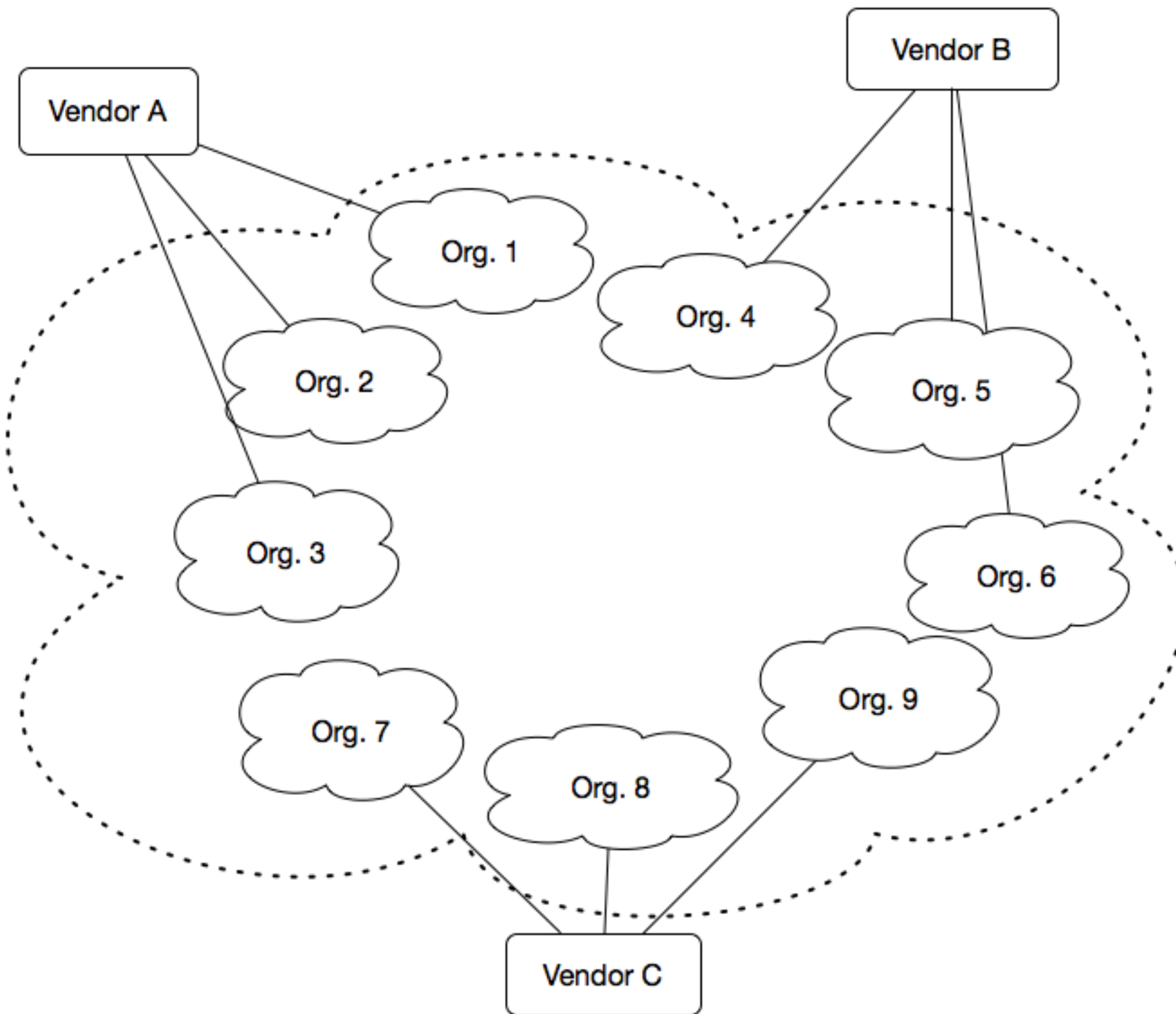
- “ILS” does not mean what it used to
- Digitisation projects
- CRIS systems on local and national levels
- Descriptions of materials not traditionally described in MARC21
- The “next larger context” of the ILS has changed

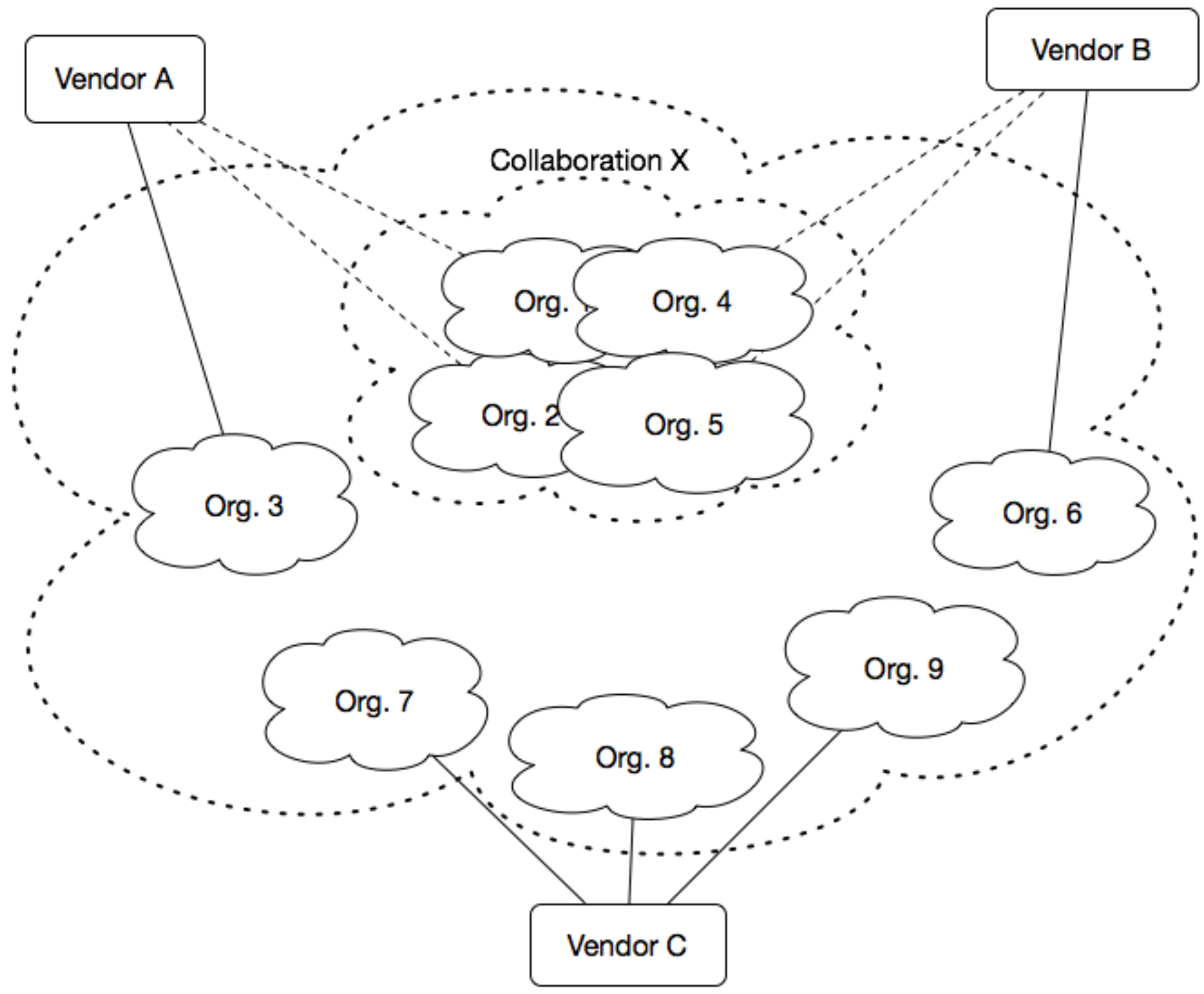
Always design a thing by considering it in its
next larger context – a chair in a room, a
room in a house, a house in an
environment, an environment in a city plan.
- Eliel Saarinen

Either aggregate everything, all the time, or deal with the fact that data is updated everywhere, by other people

What is exciting?







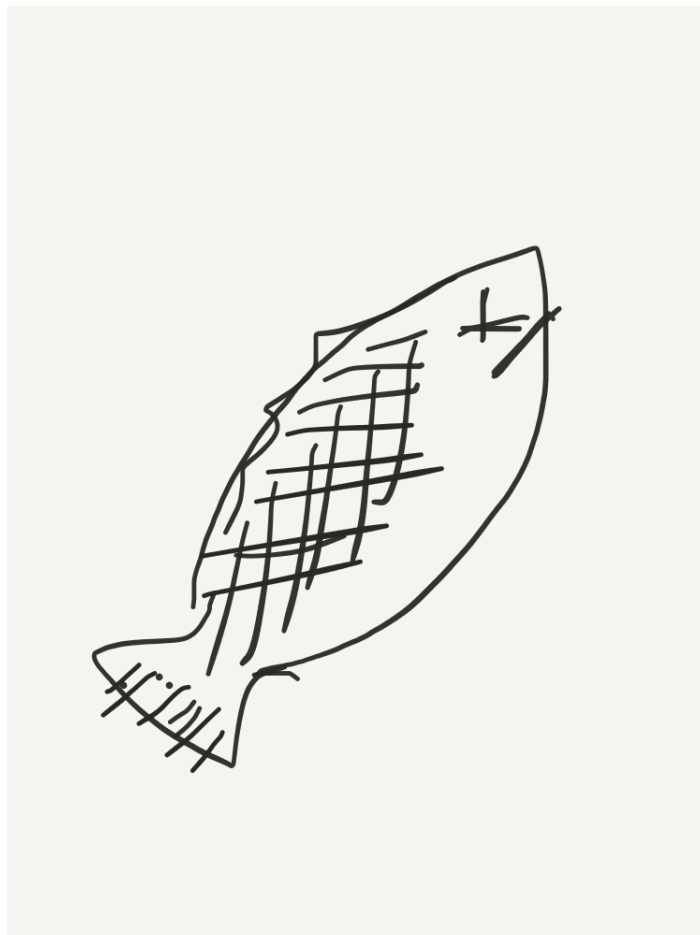
What is challenging?

Challenges

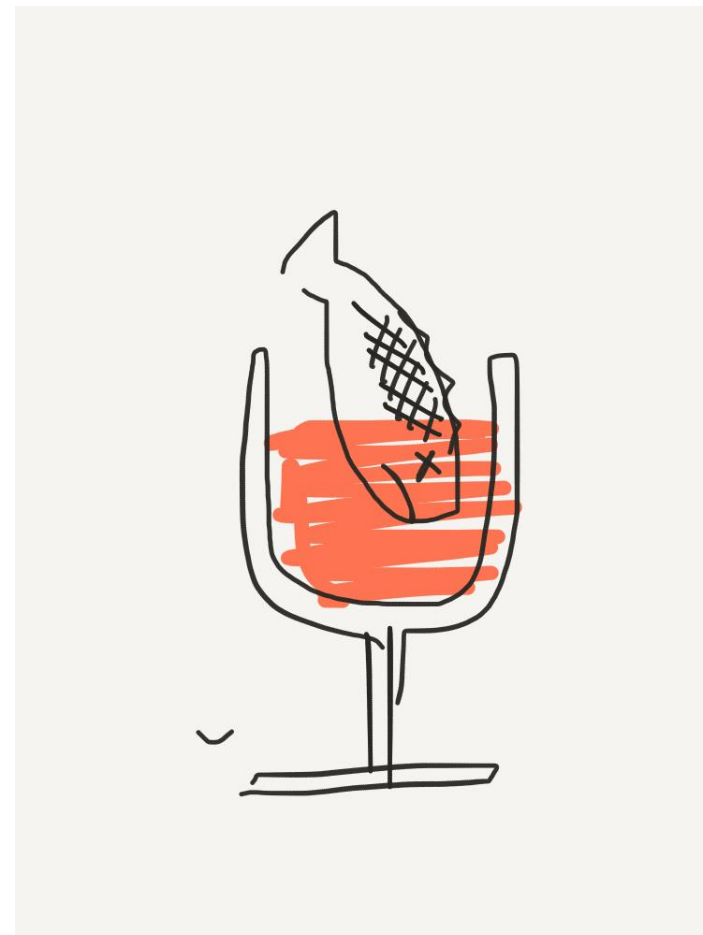
- Inertia - change is hard
- Being precise in descriptions takes a lot of time and work



**Data ages like
wine**



**Software ages
like fish**



**Metadata
standards**



- Do you have **lifecycle management** concerning identifiers and data?
- Do you feel that you have to **choose** a vendor **ecosystem**?
- Can you **change** your components without affecting services and/or external contracts?