Architectural patterns group Activities 2017

Workshop on Modernization of Statistics 21 - 22 November

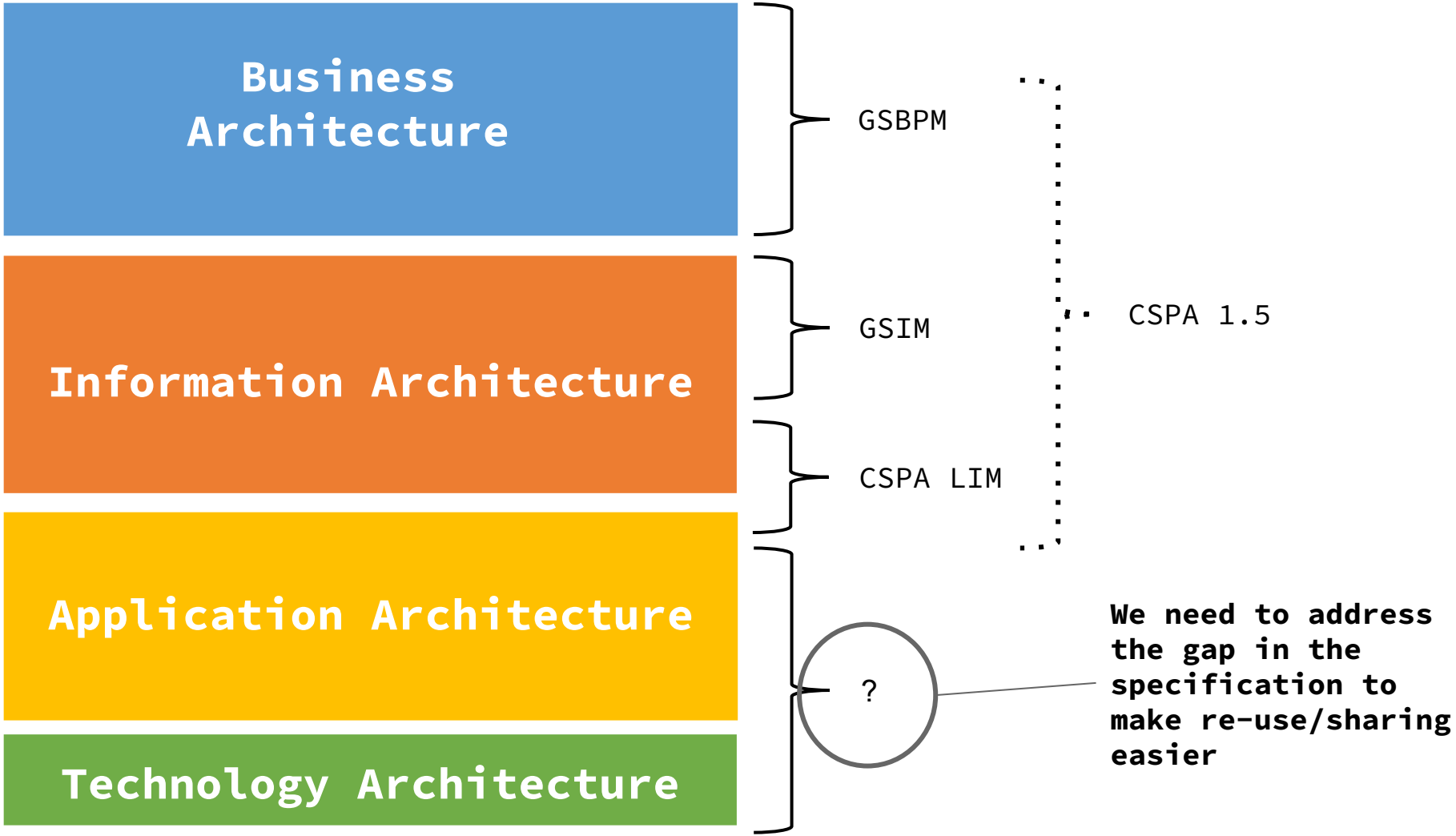
Trygve Falch (Statistics Norway)

Countries involved

- France - Romain Tailhurat
- Italy - Marco Silipo, Mauro Bruno
- Norway - Trygve Falch (Chair)
- Netherlands - Ronald Ossendrijver
- Sweden - Jakob Engdahl, Hakim Sjöström, Henrik Lönnström
- UK - Eric Deeben, Neville DeMendonca
- Eurostat - Jean-Marc Museux
- UNECE - Taeke Gjaltema

Activities in 2017

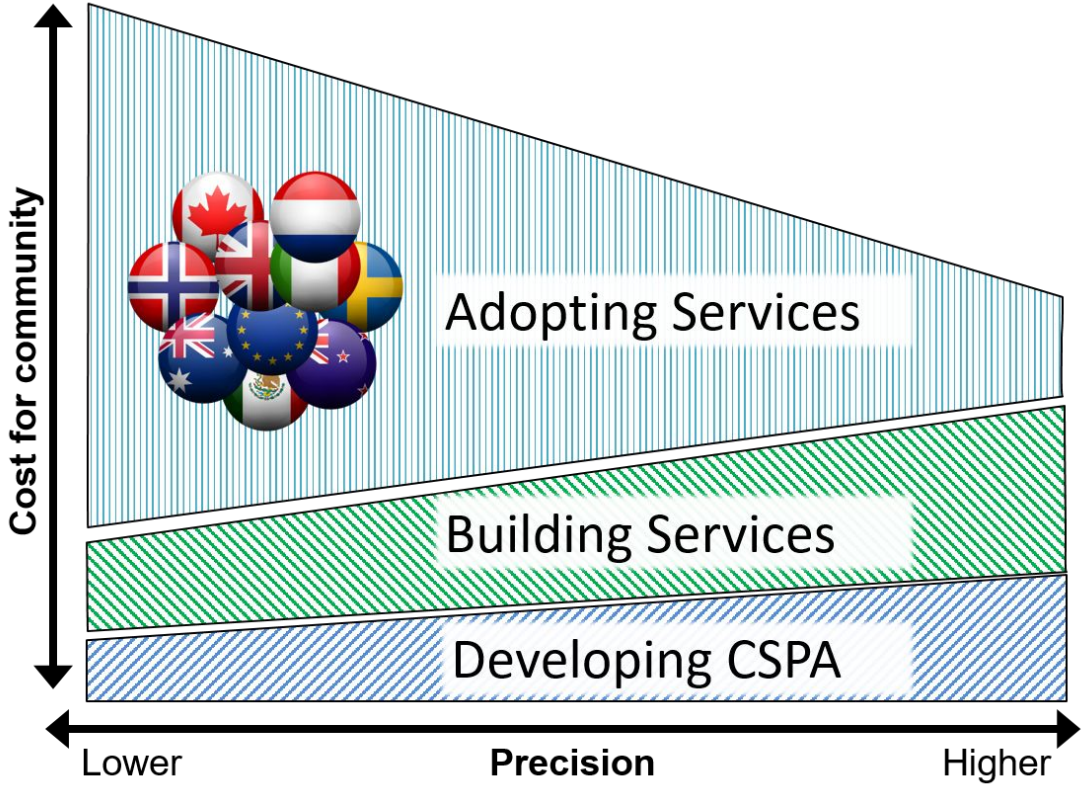
- Face to face meeting at ISTAT, Rome, 3-5 May
- Responsible for the Assembler track at *Implementing The Common Statistical Production Architecture Workshop* - Wiesbaden,Germany, 3-5 July
- Providing input for the next version of the CSPA standard
- Starting the work on a CSPA Cookbook


Business Architecture
Information Architecture
Application Architecture
Technology Architecture
GSBPM
GSIM
CSPA LIM
CSPA 1.5
?
We need to address the gap in the specification to make re-use/sharing easier

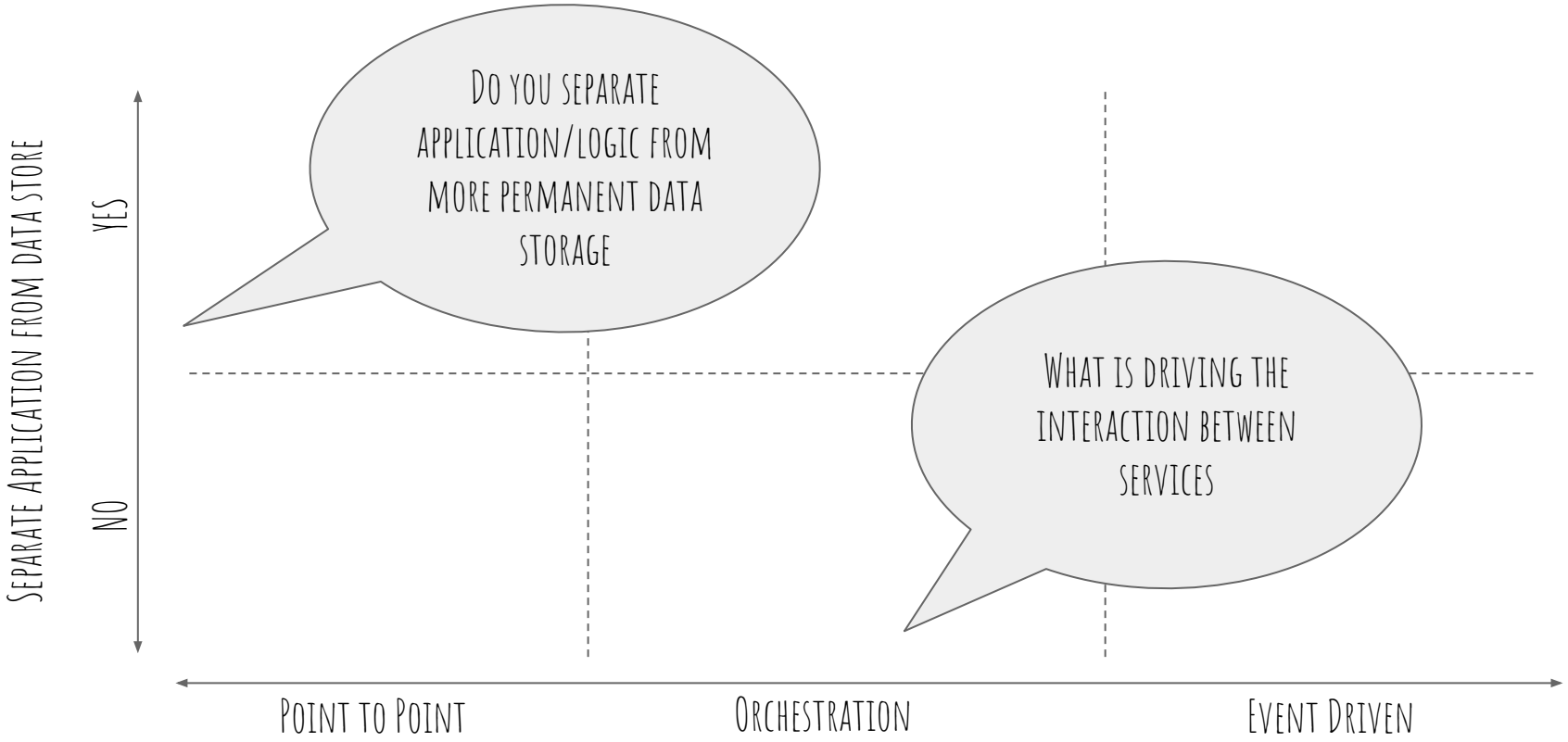
"Mission statement"

- Close the gap!
- Address key architectural patterns that enables reuse of CSPA services
- Give value to NSI's existing investment
- Make it easier to create and share CSPA services
- Encourage Open Source!

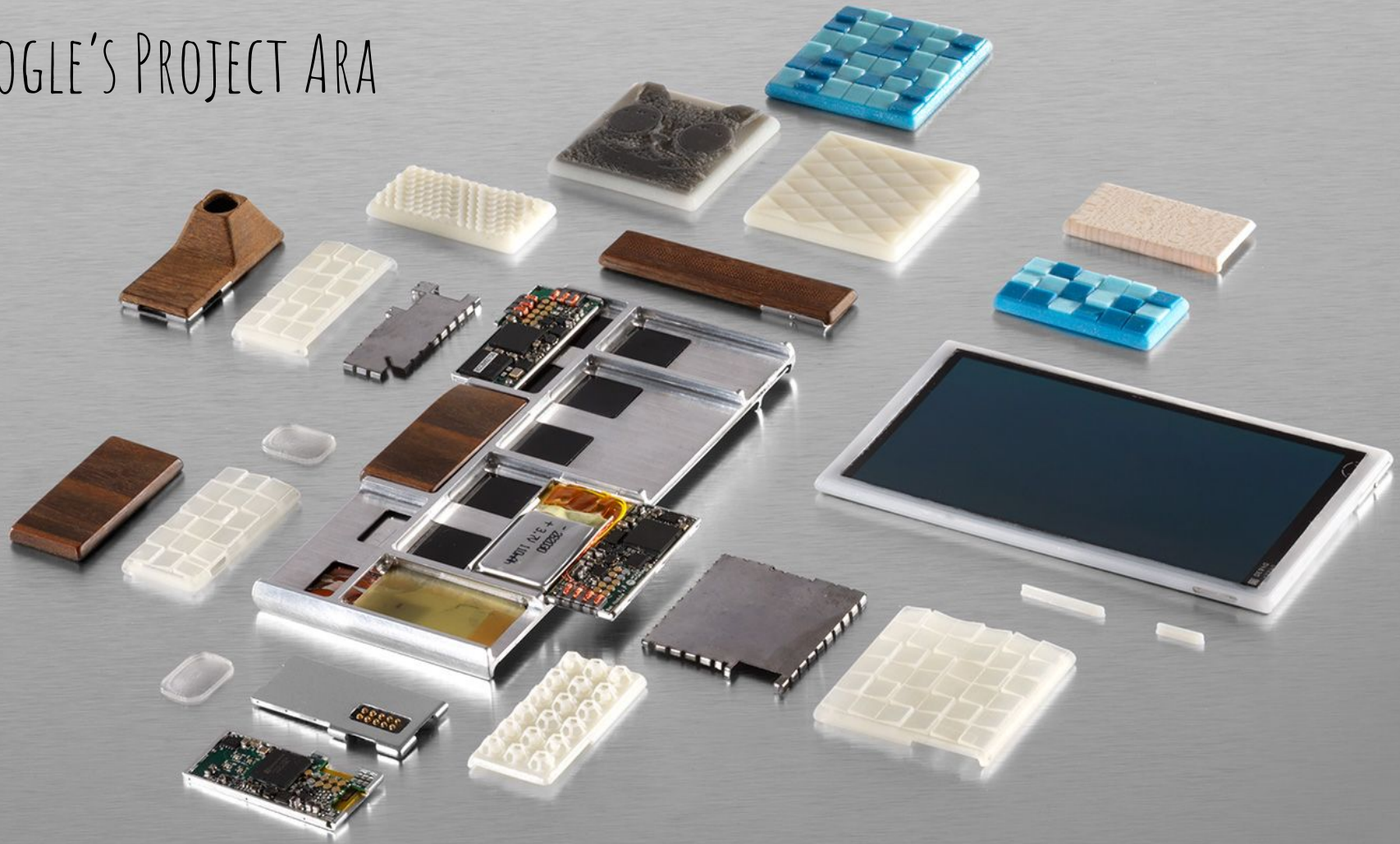
The lack of specificity have a cost



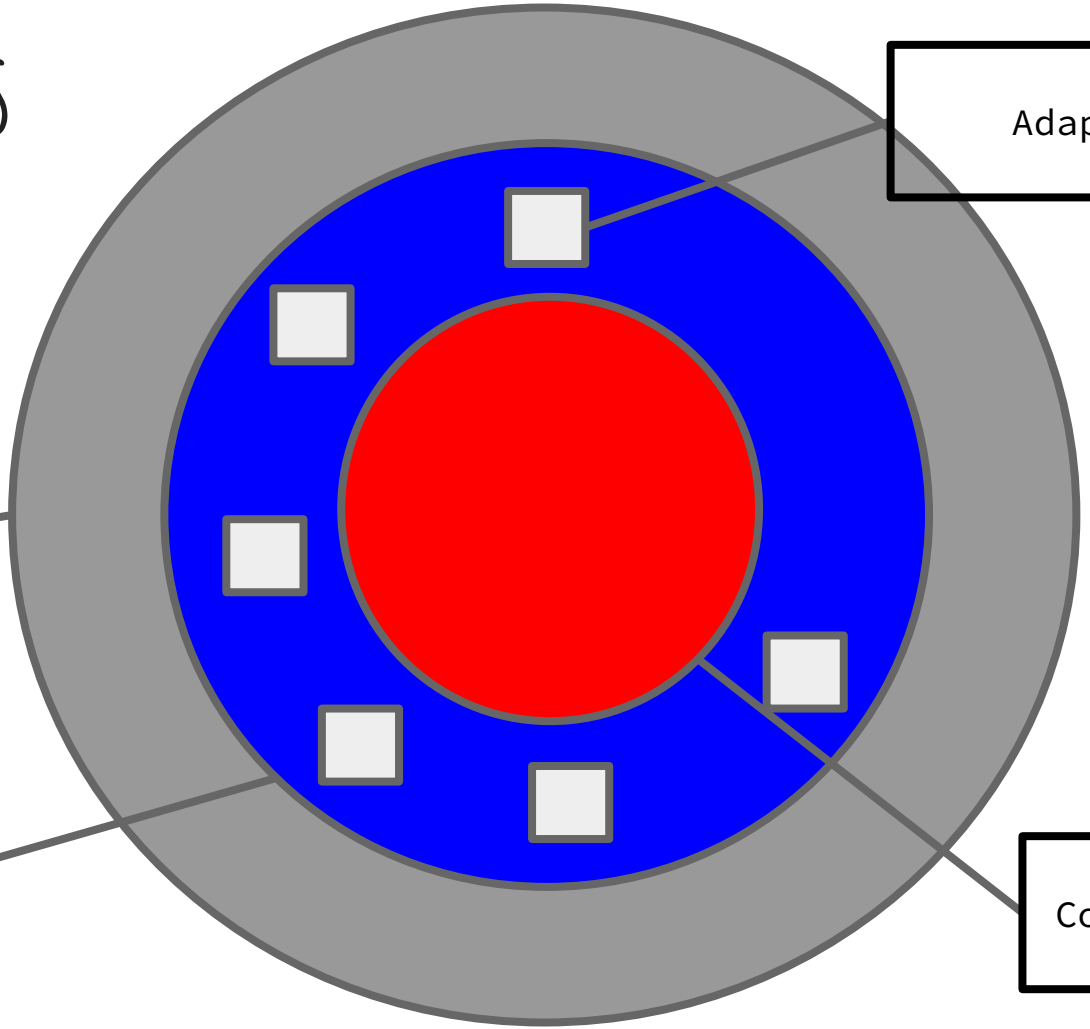
Archetypes


Separate Application from data store
YES
NO
Do you separate application/logic from more permanent data storage
What is driving the interaction between services
Point to Point
Orchestration
Event Driven

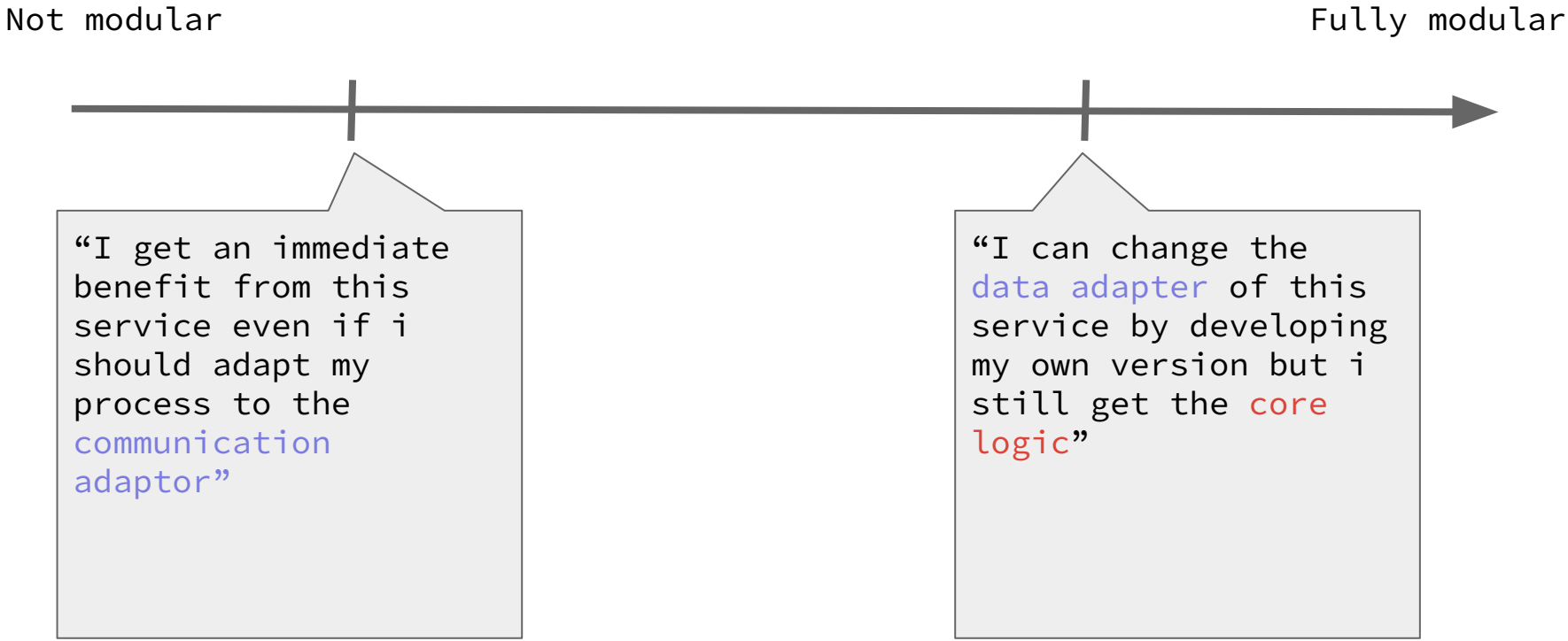
Google's Project Ara



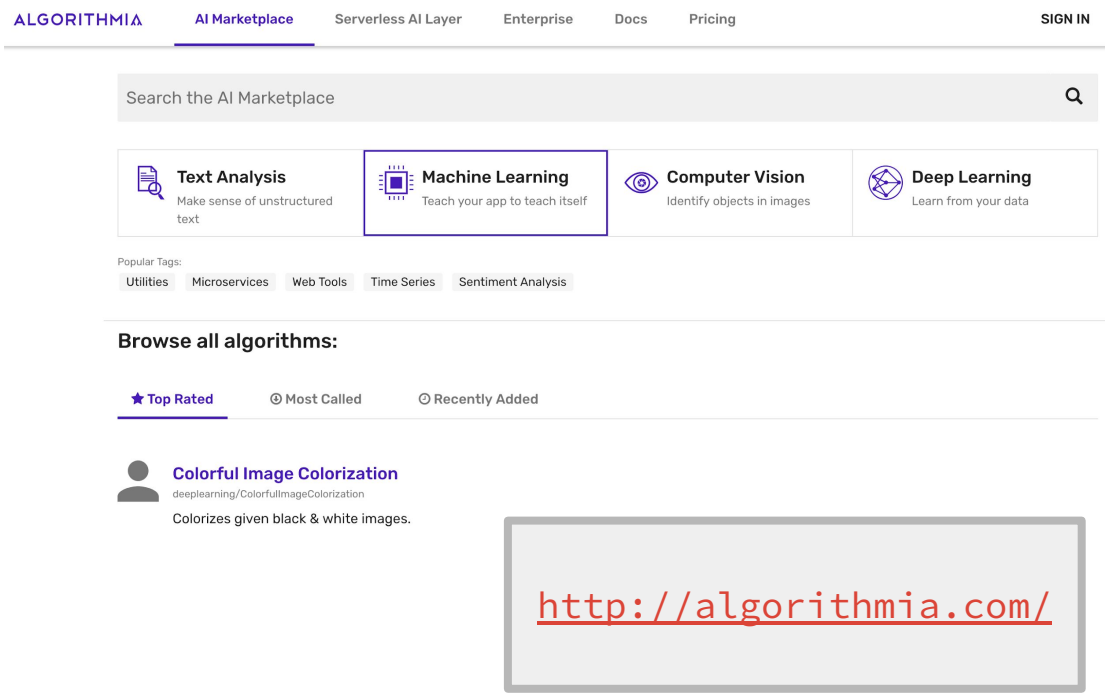
Different layers that affect sharing



Shareability scale



CSPA & Algorithms



http://algorithmia.com/

- Algorithms are core capabilities => Core Logic
- Connection between CSPA ArchPat group and the proposed *Statistical Methodology Architecture project*
- Library of statistical methods, algorithms (and trained ML models?)