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
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

Do you separate application/logic from more permanent data storage?

What is driving the interaction between services?

YES

NO
Google’s Project Ara
Different layers that affect sharing

Packaging and distribution

CSPA Service w/adaptors

Adaptors

Core Logic
Shareability scale

Not modular

“\(I\) get an immediate benefit from this service even if \(i\) should adapt my process to the communication adaptor”

Fully modular

“I can change the data adapter of this service by developing my own version but \(i\) still get the core logic”
CSPA & ALGORITHMS

- 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?)

http://algorithmia.com/