

Open Data, Open Markets and Open Source Software Tools for European Marketplaces

9:30am - 11:00am, May 26



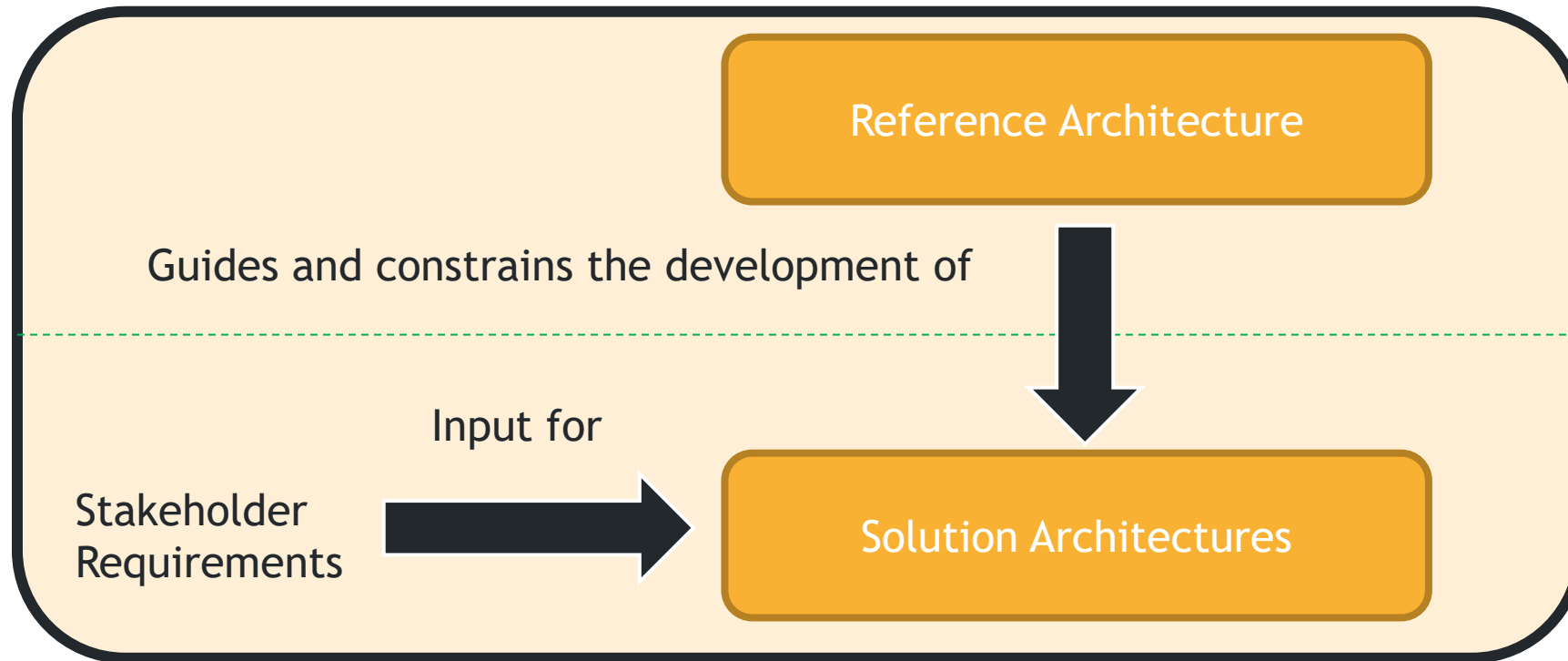
Ivan Martinez Rodriguez

I3-MARKET Technical Coordinator



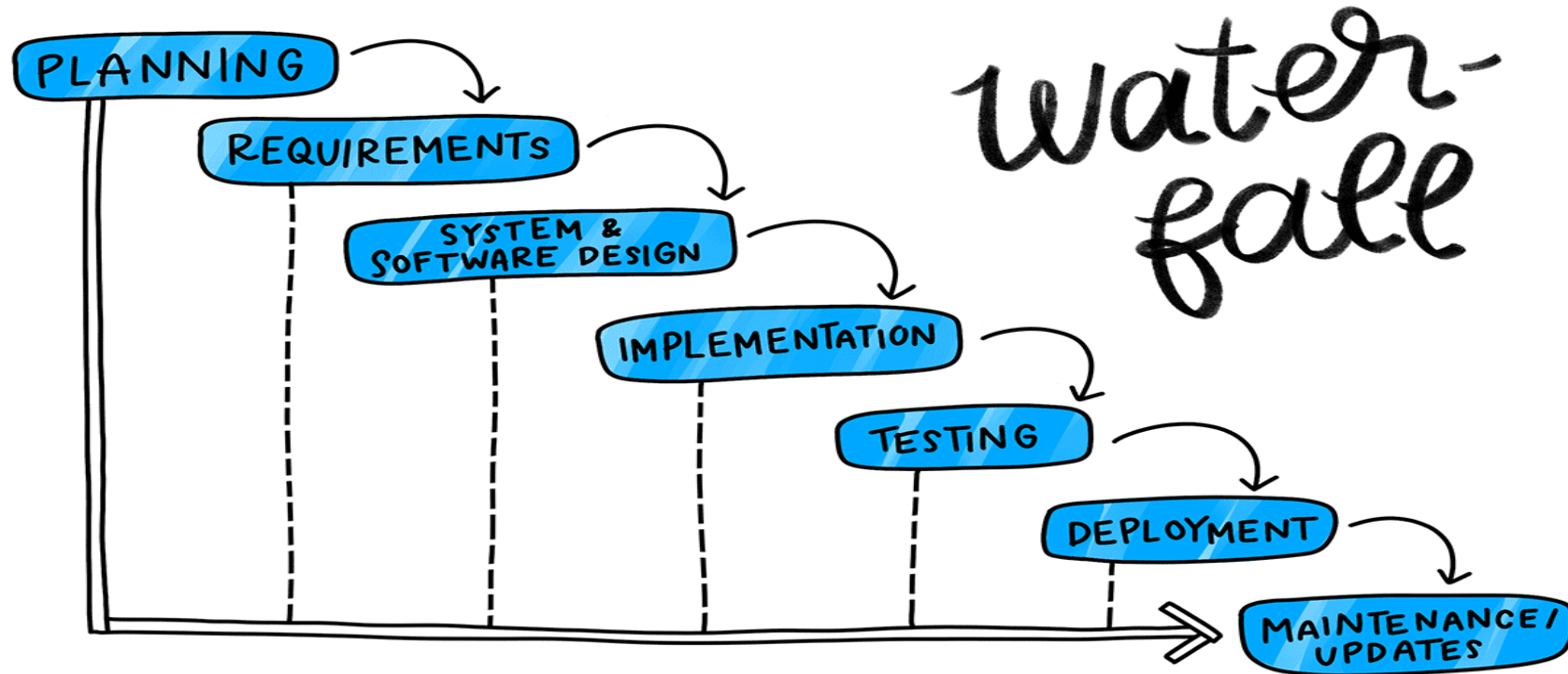
Reference architecture concept/purpose

Reference Architecture is an authoritative source of information about a specific subject area that guides and constrains the instantiations of multiple architectures and solutions.[1]



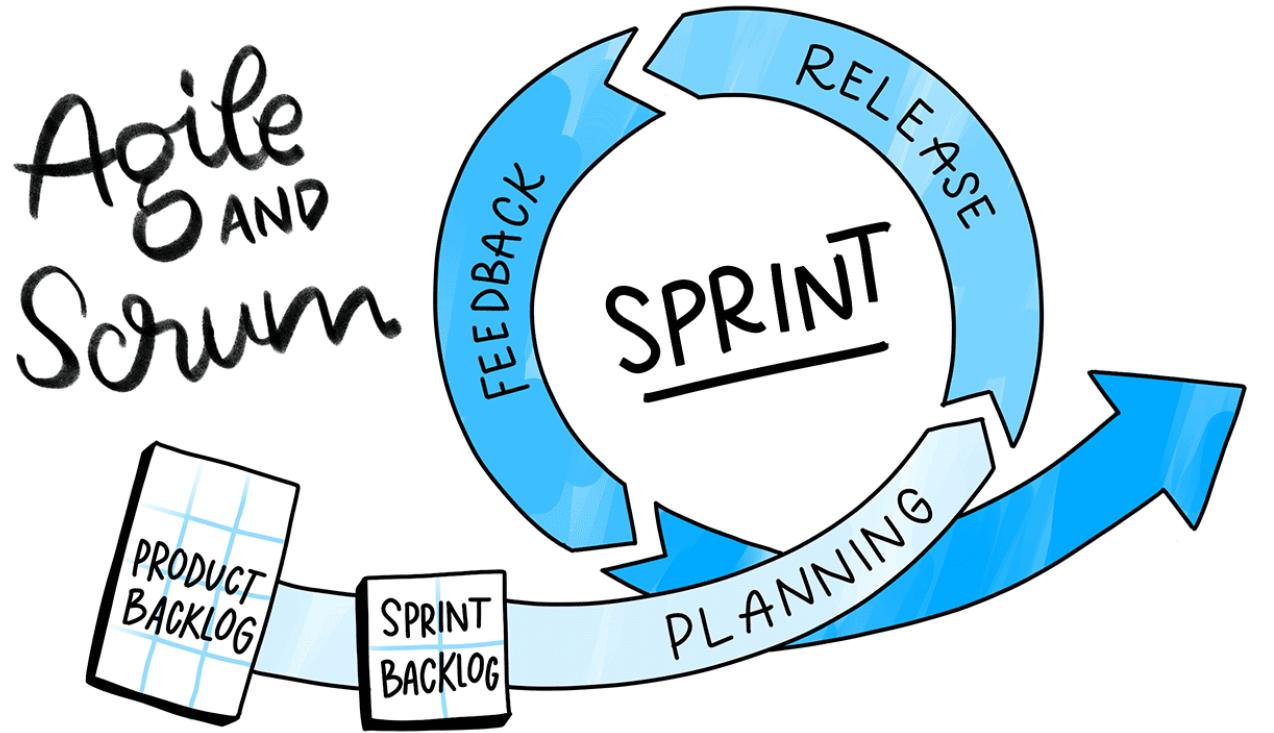
[1] DoD Reference Architecture Description

Traditional software design process



*planio

Agile design process. SCRUM methodology.



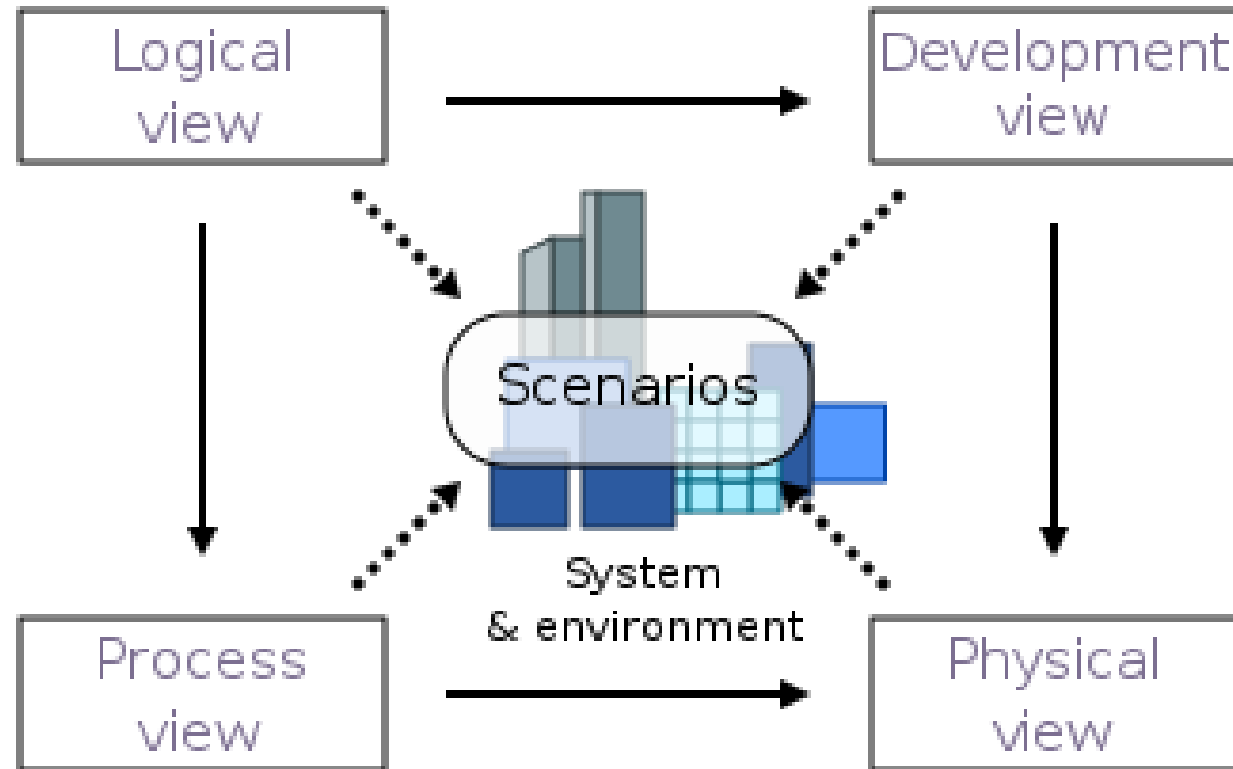
Phases:

- Product Backlog
- Sprint backlog
- Sprint (Design & Develop)
- Release working software
- Feedback and validation (add to backlog)
- Plan next sprint

*planio

Planio: <https://plan.io/blog/software-development-process/>

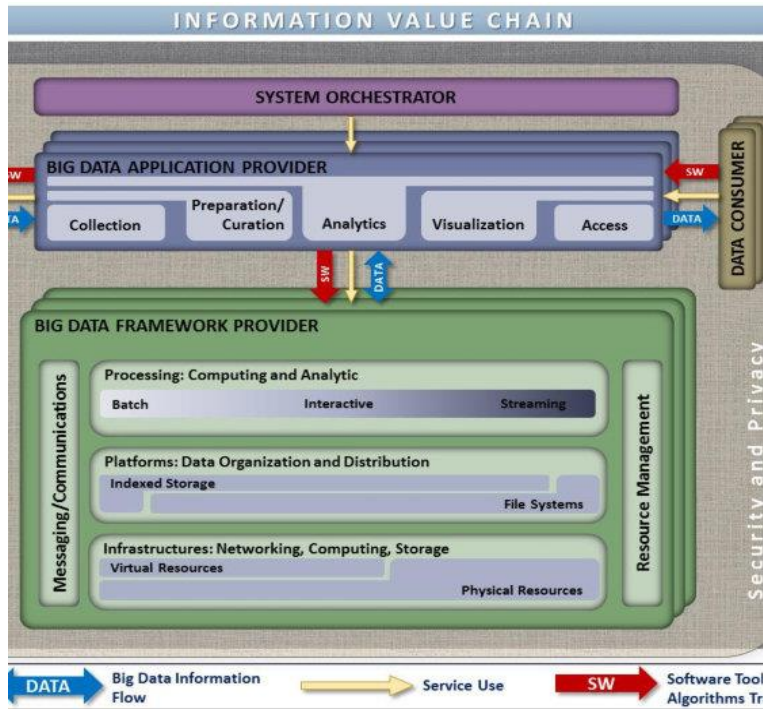
4+1 Architectural view model



Philippe Kruchten, Architectural Blueprints—The “4+1” View Model of Software Architecture

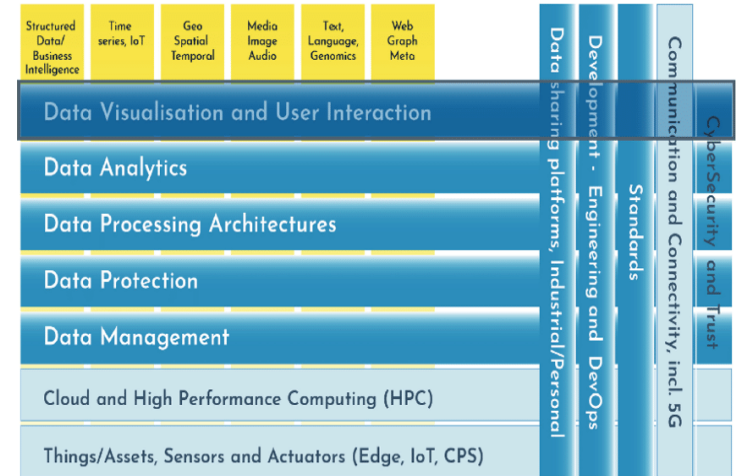
Most common, standard reference architectures/models relevant for Big Data domain

NIST

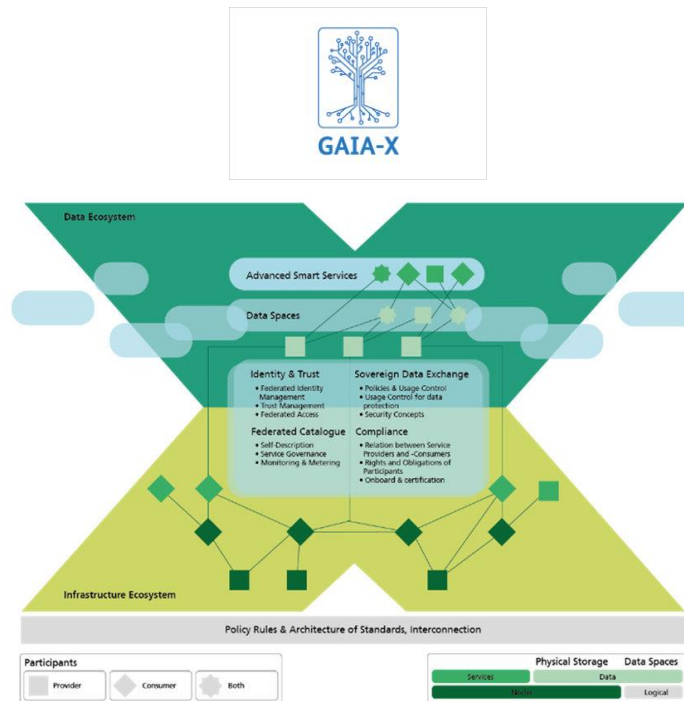


<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.1500-6r2.pdf>

BDV BIG DATA VALUE ASSOCIATION

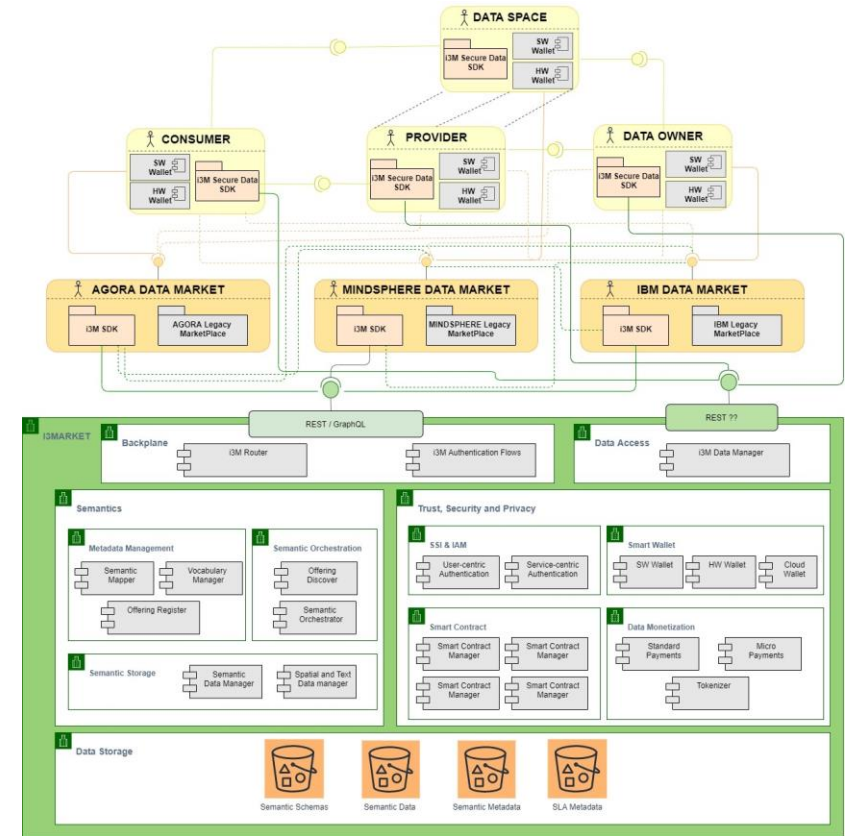
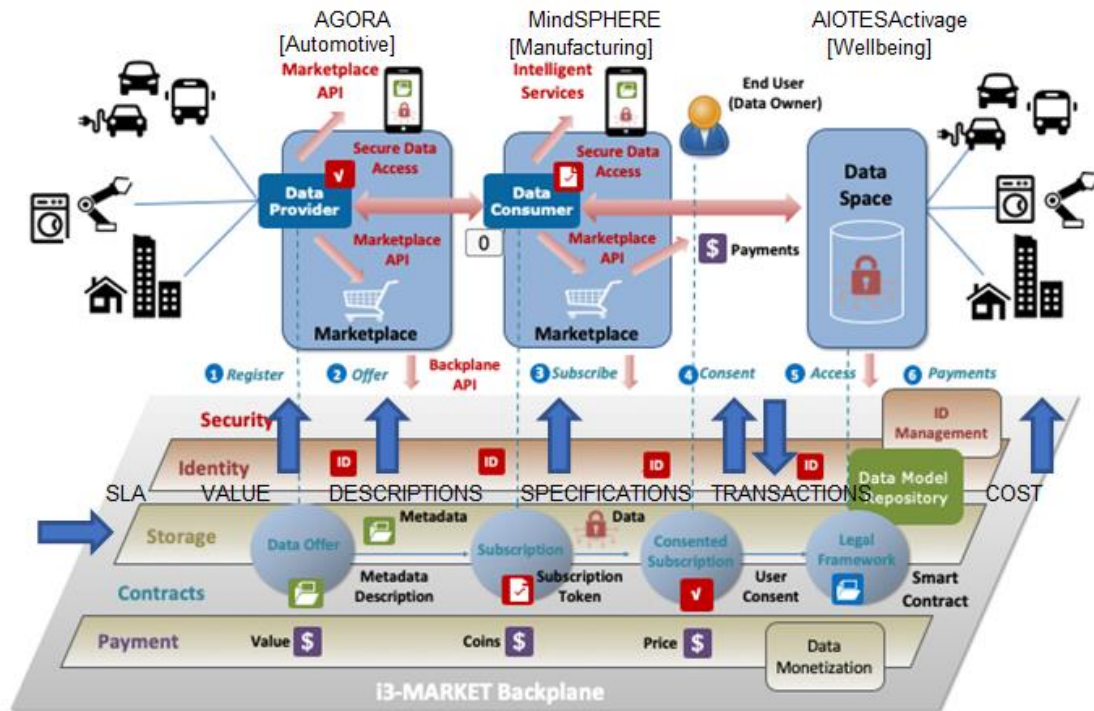


https://bdva.eu/sites/default/files/BDVA_SRIA_v4_Ed1.1.pdf



<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.1500-6r2.pdf>

i3-MARKET reference architecture and implementation



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Thank you!



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