

BIG DATA EUROPE

Empowering Communities
with Data Technologies



BIG DATA EUROPE

Continuing Project Results within BDVA Activities



H2020 CSA (2015-2017)

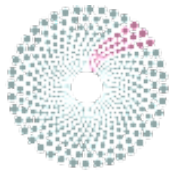
Dr. Simon Scerri (Deputy Coordinator)



23.11.2017

EBDVF - Standardization Priorities





BigDataEurope C-S Action

◎ **Coordination:** Show societal value of Big Data

- Across all societal challenges addressed by H2020



Health



Food & Agriculture



Energy



Transport



Climate



Social Sciences




Security

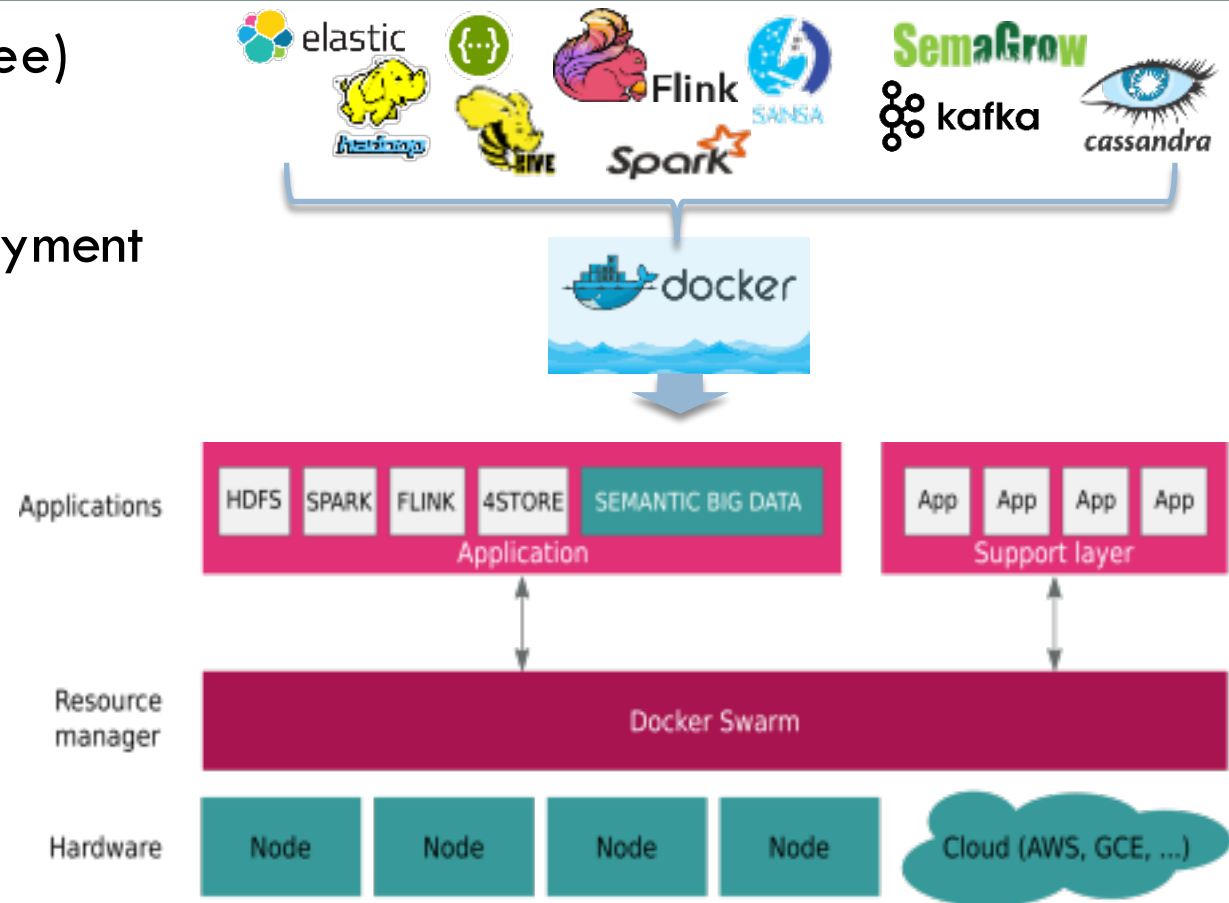
◎ **Support:** Lower barrier for using BD technologies

- Effort to setup and deploy use-case workflows
- Lack of skills & expertise



Integrator Platform Architecture

- ⊙ Stacks Open Source solutions (Free)
 - ⊙ **Dockerization**
 - ⊙ Facilitates integration and deployment
 - ⊙ Plug-and-play BD Platform
 - ⊙ Key BDE additions
 - Support layer: integrated UI
 - Semantification layer
 - ⊙ **Final BDI Release:**  **GitHub**
 - 16 Nov 2017 (*Watch online!*)
- www.big-data-europe.eu

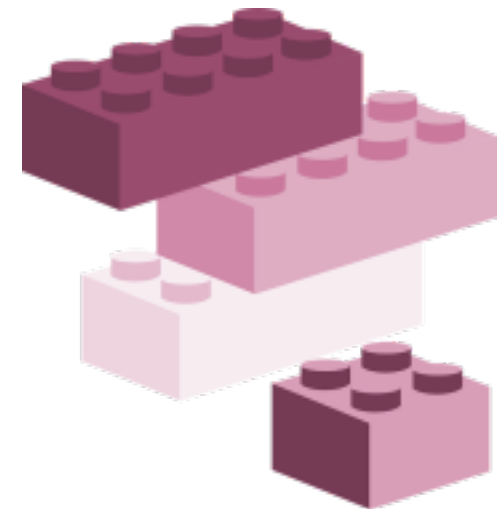




Unique Platform features

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- ③ BDI Development Environment
 - Stack builder
 - Workflow builder
- ③ Administrator Interface
 - SwarmUI
- ③ UI Integrator
 - Workflow monitor
 - Integrated Web interface
- ③ Documentation
 - Platform Installation & Usage Instructions
 - Adding custom components to the BDE stack





7 Integrator Platform Instances



Health



Food & Agriculture



Energy



Transport



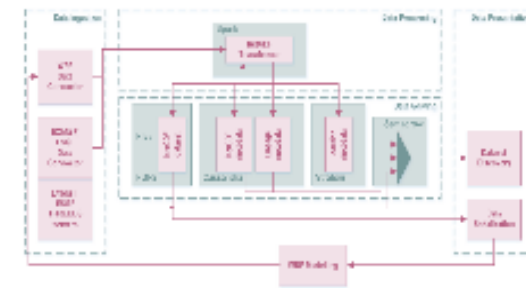
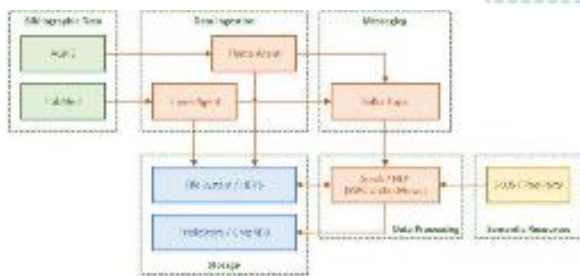
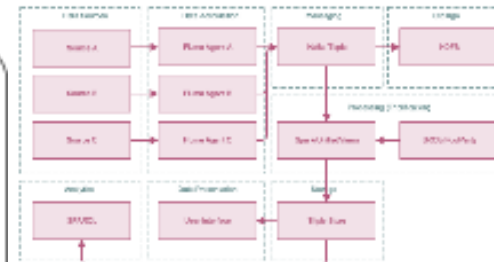
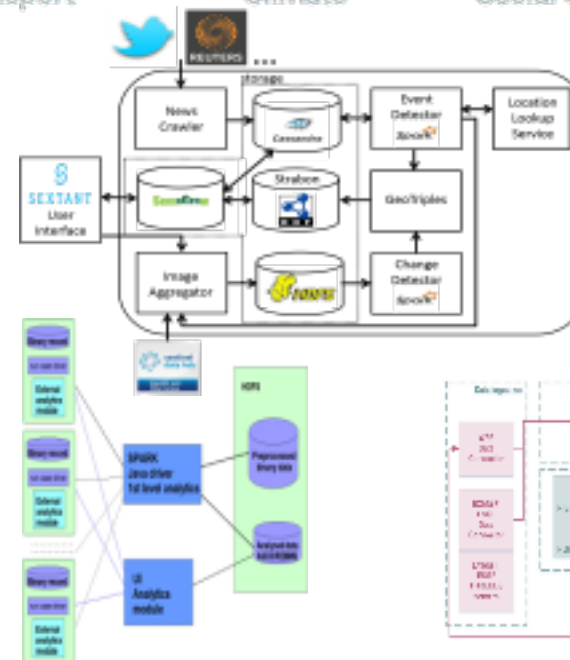
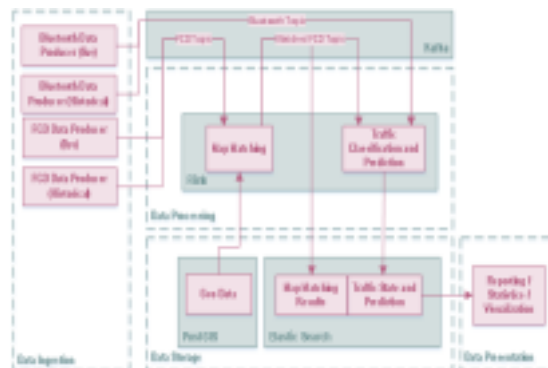
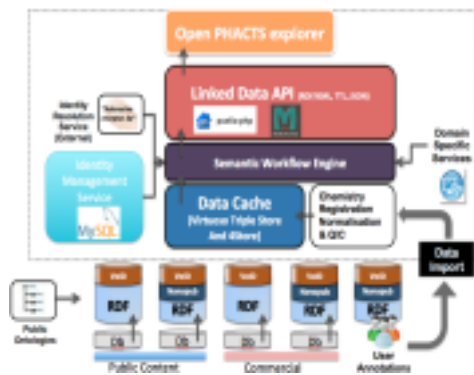
Climate



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BigDataEurope & BDVA: Synergies

⊙ Common Vision: Big Data PPP

- Target technical priorities in Strategic Research & Innovation Agenda
 - BigDataEurope Technical Contributions: Architecture & Platform
 - BDVA Task Force 6: Technical Priorities



⊙ What's in it for BigDataEurope?

- Sustainability: Continue efforts within a bigger/longer initiative
- Standardisation: BDVA as a vessel for standardising project results



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⊙ What's in it for the BDVA?

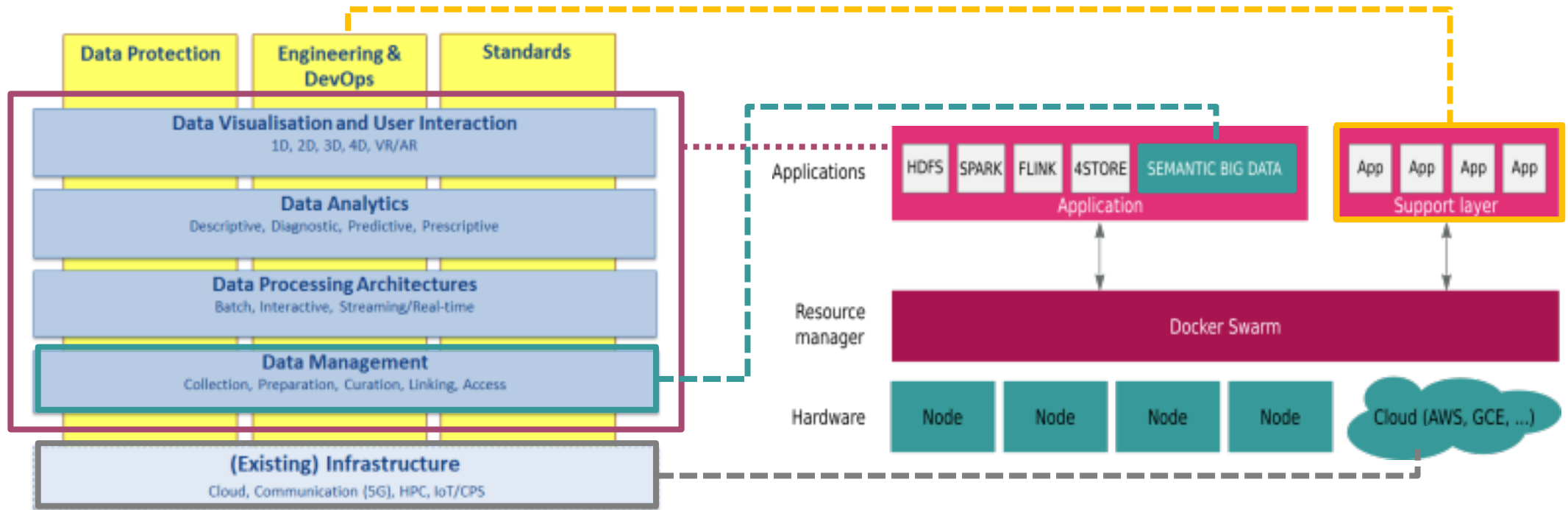
- BigDataEurope (and other projects) advance Technical Priorities
- Value of projects' Societal Communities & activities (e.g. BD Requirements)



www.big-data-europe.eu

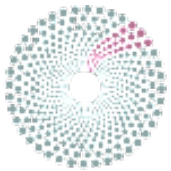


Technical Synergies – High-level

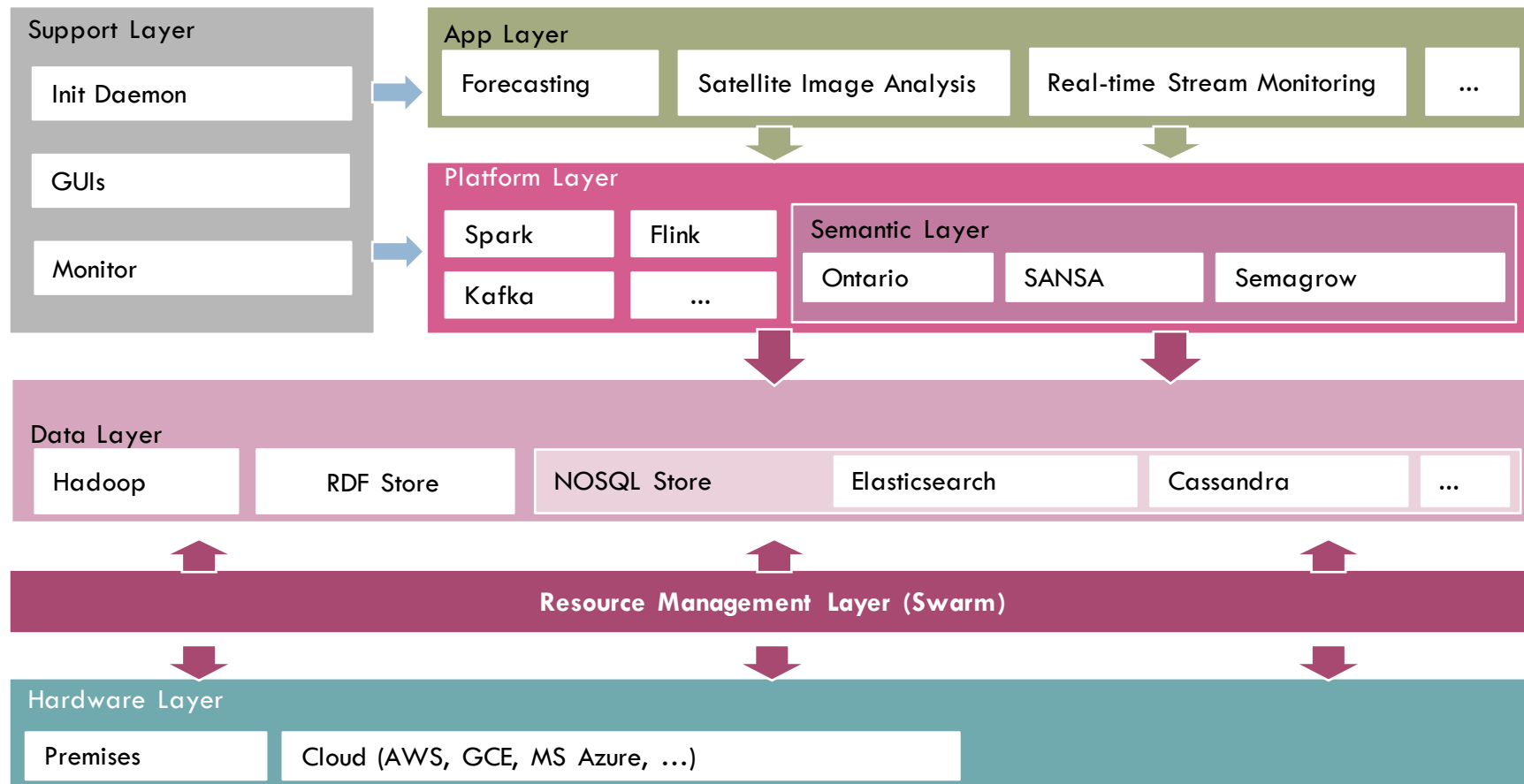


BDVA Reference Model

BigDataEurope Platform Architecture



Positioning BigDataEurope into BDVA Ref. Model



BigDataEurope Webinars

BDVA & BDE Synergies 26.04.2017

Final Platform Launch Webinar 16.11.2017



Watch: big-data-europe.eu/webinar/



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Next Steps

TF6: Big Data Management

BDE: Variety - Semantic Data Lake

TF6: Big Data Architectures

BDE: Big Data Generic Architecture

TF6: Standardisation

BDVA: Evolve and Disseminate Above