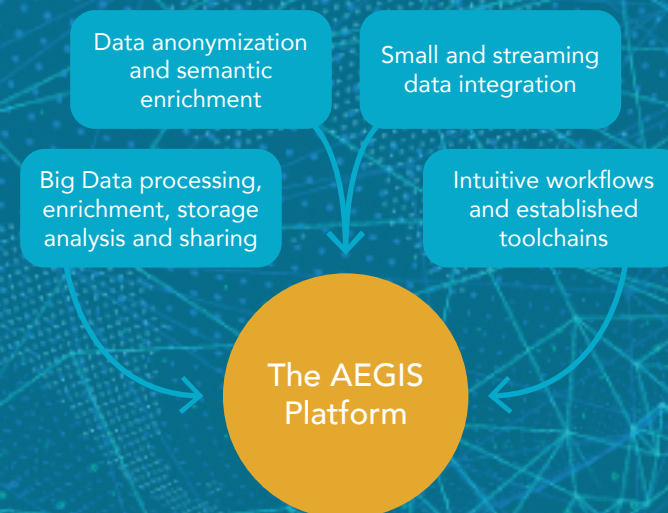




Advanced Big Data Value Chain for Public Safety and Personal Security



AEGIS is a 2.5-year project, co-funded by the European Commission that aims to bring together the network, data and technologies and create a big data platform, utilizing the latest advancements in the linked and big data landscape.

The Consortium



The AEGIS platform, through key functionalities for Big Data management, sharing, and analytics:



Empowers PSPS businesses data capacity and capabilities for product and service innovation



Enables technological leapfrogging in PSP businesses



Minimizes upfront capital costs for big data innovation

We are social: @aegisbigdata



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The project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 732189.

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Data and project management

Multi-tenancy allows users and services to securely and privately access and process their data.

Users can share their data with others on the platform and allow access for specific services.

The data harvesting pipeline enables data import to the platform, harmonizing the transformation and metadata annotation functionalities required.

Supported Technologies

Aegis provides integrated support for different data processing services such as Spark, Flink, Tensorflow, MLLib and MapReduce, as well as a scalable messaging bus with Kafka, and interactive notebooks with Jupyter

Data processing, analytics and Visualization

Tools allowing users with limited technical background to harvest the benefits of the

Aegis platform are automatically deployed:

- Query Builder
- Visualizer
- Algorithm Execution Container

Implementation using Jupyter notebooks allows for easy customization and experimentation, which can prove useful for experienced data scientists as well.

