



PCN - Horizon2020

HORIZON 2020

LE PROGRAMME DE RECHERCHE ET
D'INNOVATION DE L'UNION EUROPÉENNE

Big Data 2017 calls

ICT-14; ICT-15 ; ICT-16, ICT-17 and others

January 06th,2017, Paris

Brokerage

General information

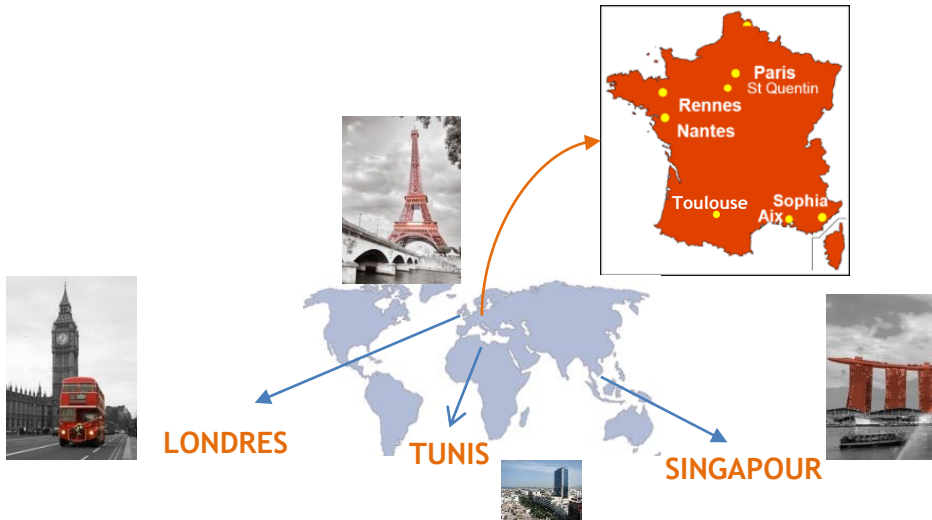
SOFTEAM Cadextan



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Area of interest	Choose Y or N
<i>ICT-14: Big Data PPP: Cross-sectorial and cross-lingual data integration and experimentation</i> A) Data integration activities	Y
<i>ICT-14: Big Data PPP: Cross-sectorial and cross-lingual data integration and experimentation</i> B) Data experimentation incubators	N
<i>ICT-15-2016-2017: Big Data PPP: Large Scale Pilot actions in sectors best benefitting from data-driven innovation</i> Large Scale Pilot actions	Y
<i>ICT-16-2017: Big data PPP: research addressing main technology challenges of the data economy</i> cross-sector and cross-border problems or opportunities of clear industrial significance.	Y
<i>ICT-17-2016-2017: Big data PPP: Support, industrial skills, benchmarking and evaluation</i> Benchmarking action	N
<i>Others:</i>	Y

Capital	20 M€
Sales	90 M€
Staff	930 employees



Senior engineers
650

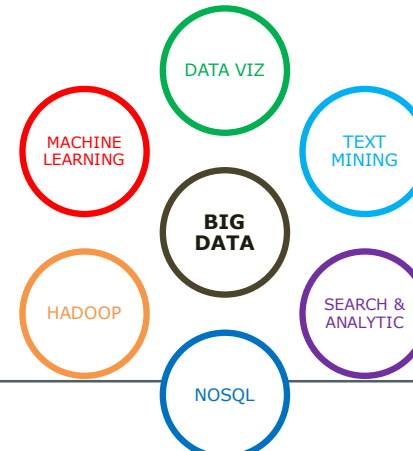
Architects
250

.Net, JEE, C++, web, BI
Architects, urbanists, experts, project managers, project directors

Modelio

Logos of clients: SNCF, EDF, DCNS, Atos, AIRBUS, orange, GDF SUEZ.

Logos of clients: BPM, E-GOVERNMENT, UBILOOP, e-Citiz, metz, e-luxembourg, AOUITAINE.



Research areas

- Software and Service Engineering
- System Engineering and Embedded Systems

Standardization - 20 years with OMG

- Unified Modeling Language (UML)
- SoaML, CloudML, UTP
- System Engineering (SysML)
- Real-time and Embedded Systems (MARTE)

20+ Research projects

- 20+ European and national projects,
- Recent H2020: INTO-CPS, DataBio, Q-Rapids, CROSSMINER

Conferences

- ServiceWave, DATE, ERTS2, ECMFA, MDDay

Open source community


- **[Modelio.org](https://www.modelio.org)**



Paris Region Digital Ecosystem

- ENOSYS
- MADES
- PRESTO
- INTO-CPS
- MODELS
- CPSwarms

System Engineering




- ModelWare/ModelPlex
- SHAPE
- WebMove
- OSSMETER
- ViBAM
- Galaxy, MONOGE
- CITRON
- FITTEST
- MEASURE
- Q-Rapids
- CROSSMINER

Software and services



- REMICS
- ModaClouds
- MONDO
- NIVOL
- SaaSifaction

Cloud



- JUNIPER
- MEASURE
- DataBio

Big Data



- INOSSEM
- PIMI
- PIMaaS
- ES4ICS

Security




- MyCitizSpace
- Process 2.0
- STEFA

eGovernment




- UbiLoop
- Eazly

Digital



- MobiGeist

Transport



Project idea:

Automated Modernization of Data Warehouses

■ *Motivation*

- *Greater economic value of the data-driven economy*
- *Need to modernize the data warehouses and OLAP systems*

■ *Problems to solve*

- *Legacy in data structures and stored procedures*
- *Lack of qualified personnel in Big Data and need to improve productivity*

■ *Concept*

- *Automated recovery of the data models*
- *Model-driven technologies for automation data storage and processing in Big Data warehouses.*

■ *Skills you need - Data warehouses, OLAP, Analytics*

- *Case study providers*
- *Scientific excellence*
- *Technology providers*

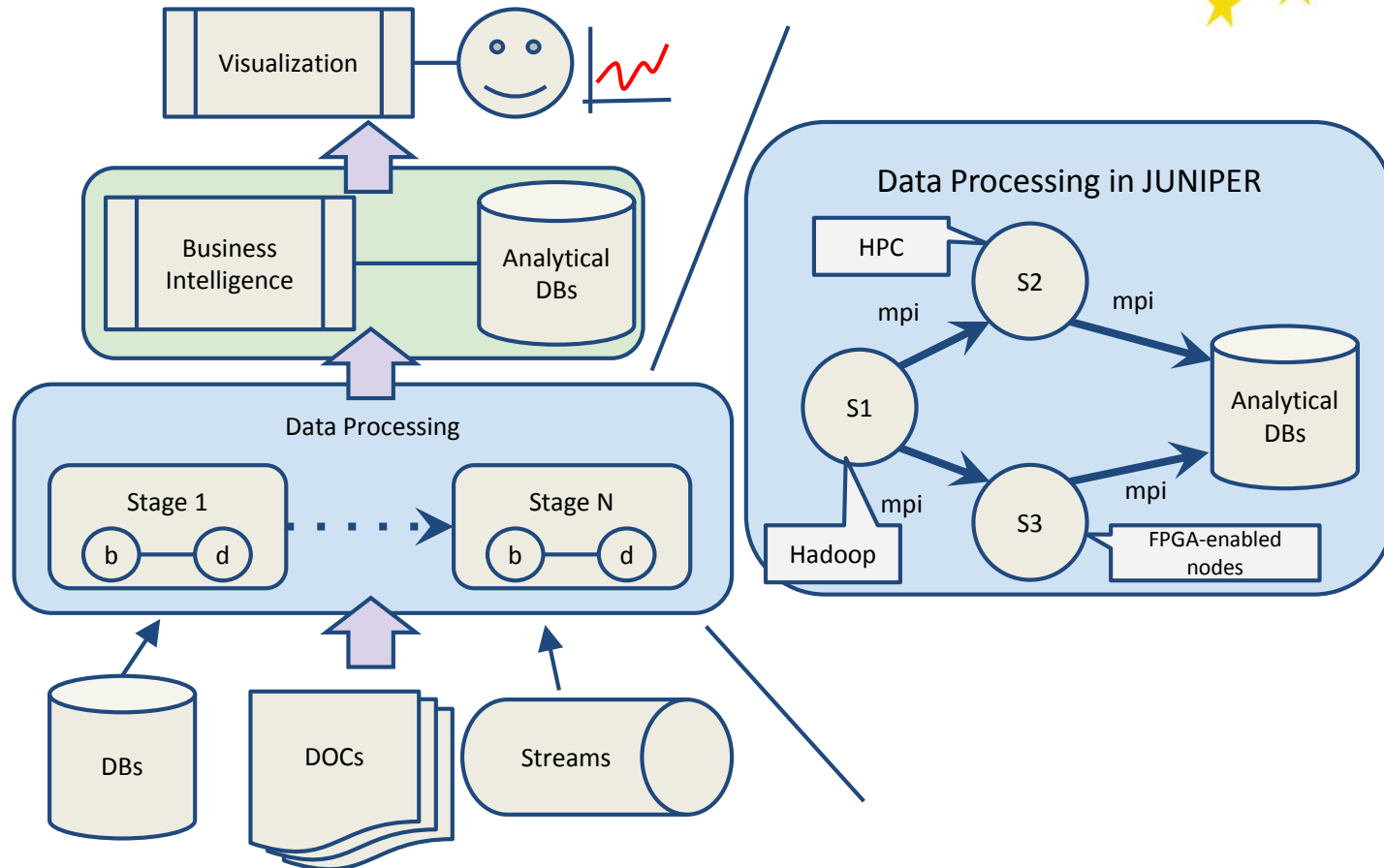
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Annexes

JUNIPER integrates Big Data technologies over MPI

Models for streaming applications

- | Modelling real-time constraints
- | Code generation for MPI, Postgre and MongoDB
- | Code generation for Java RT
- | Map Reduce model patterns
- | Scheduling integration



BIG DATA : 2 Pilots

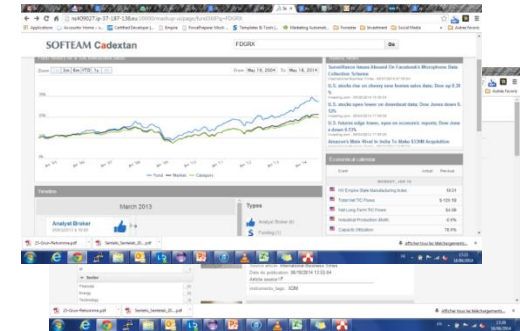
Fund 360 Platform

Fund 360 vision capturing all the relevant events characterizing the fund.

Timeline

Rules Matching

Data Visualization



Regulatory Reporting

Dashboard / KPI construction for regulation requirements. Reports construction and delivery.

Dashboard / KPI

Data Visualization

Faceting Drill Down

Reporting

