Decsis Experience with Big Data Standardization

Use Case: Big Data Platform for External Data
Company

Est. 1994
Offices in Portugal and Spain
15M€ annual turnover
200 employees
12 R&D staff

1996
ISO 9001
First Portuguese IT company certified

2016
ISO 27001
Information security certification

2017
ISO 20000
Service management certification

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360° Intelligence
Overview

External Data Sources

Data Lake

Business Intelligence

- Customers
- BI/AI Service Provider
- Internal Data Sources

External Data Sources

- Streaming
- Batch

Data Lake

- Raw Data
- API
- Streaming
- Load
- Transform
- Time Series
- Unstructured
- Relational

BI/AI Service Provider

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Resultsets

Structured
Semi-structured
Unstructured

Simple
tabular, multidimensional
no semantic or graph processing
from one dataset

Blended
tabular, multidimensional
no semantic or graph processing
from multiple datasets

Complex
non-tabular
semantic or graph processing
from one or more datasets

Transform

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REFERENCE ARCHITECTURES

We took advantage of standard/industry reference architectures (ISO 20547-3, BDVA RA) for designing our own

GAIA-X

We’re participating in WS2 of the GAIA-X project (data-infrastructure.eu), where standardization for interoperability is a key factor
Cosibot is an omni-channel bot that informs about the COVID-19 pandemic, relying on quality data from trusted sources, using natural language processing for interacting with users in websites, SMS, Facebook, and WhatsApp.

Cosibot is an initiative from German start-up ROBO.AI (cosibot.org)

Cosibot relies on Decsis for supplying reliable, pre-processed data, collected from trusted sources.

Standard architecture and interfaces are key to interoperability between both systems.
Thank You

www.decsis.eu