

EOSC DIH Pilot Artificial Intelligence and Big Data technologies

Enterprise Content Management



About BI INSIGHT

One of the leaders in BI, AI and Data Science areas on the Polish market.

- 14 years' experience
- 100% customer retention
- Finalist of GovTech Program
- Our customers - the biggest Polish business entities, central government administration, large banks, media companies.
- Close cooperation with leading academic centers and industry experts.
- Open for cooperation in new initiatives

Core skills:

Artificial Intelligence

Business Intelligence

Data Science

Data Governance

We bring Knowledge
to Business



biECM - Business scenario



Data explosion – let's go digital

- **Huge data volumes** – storage and processing issues
- **Unstructured data** – takes a human to extract knowledge
- **Data silos** – locked in departments and workstations
- **Dark data** – unused for insights and business decisions



Digital transformation - Enterprise Content Management

- **Information Hub** – information flow across organization
- **Centralized access** - data democratization
- **Automated knowledge extraction** – leverage AI/ML/NLP
- **No-brainer search** - google-like search

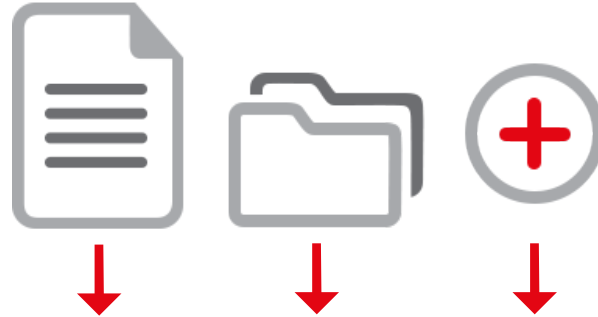




biECM - Solution

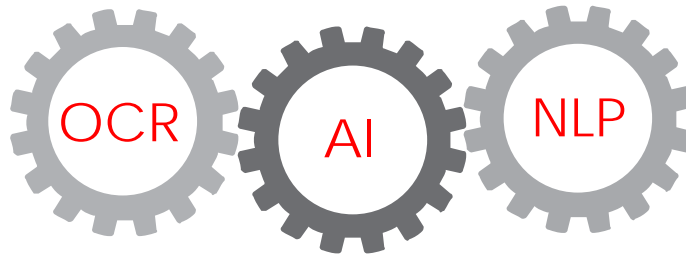
DATA SOURCING

Sharepoint
Samba
OneDrive
Web scraper

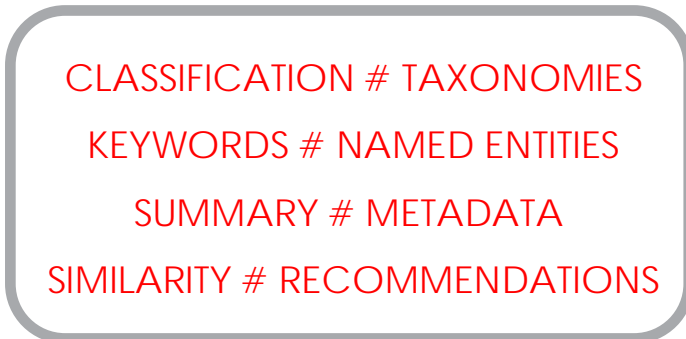


PROCESSING

Python
Tesseract OCR
TensorFlow
Keras
Scikit-learn
Docker



KNOWLEDGE



MongoDB
ElasticSearch



Search result
sorted by
relevance

Easy
navigation of
repository

Architecture

- Comodity hardware (8 CPU, 40 GB RAM)
- Open source software components
- Microservices – scalable, open architecture
- Secure – Active Directory Integration

Performance

- Average doc (10p) processing <1m
- Search < 1s

biECM - Business benefits



- **Effective use of data** → data as an asset (DAAA)
- **Fast and easy access to data** → time saving
- **Elimination of manual work** → cost saving
- **Uncertainty reduction in business decisions** → data monetization



Use Cases

- Ministry of Development – Actual Knowledge Management (prd)
- Polish Parliament – Keywords and NE extraction (poc)
- National Revenue Administration – Web Pages Similarity (poc)

BI INSIGHT – EOSC integration



- Use of EOSC infrastructure and services through voucher
- Launching a demo version of the biECM in the cloud
- Validating the potentials of the services created in the DEEP Hybrid Datacloud and investigating possible integration
- Plans for onboarding in EOSC marketplace



**EUROPEAN OPEN
SCIENCE CLOUD**

Thank You for your attention

- *If you have any questions*
- *If you would like to get more information*

visit us www.biinsight.pl

write to us gniemiec@biinsight.pl

