

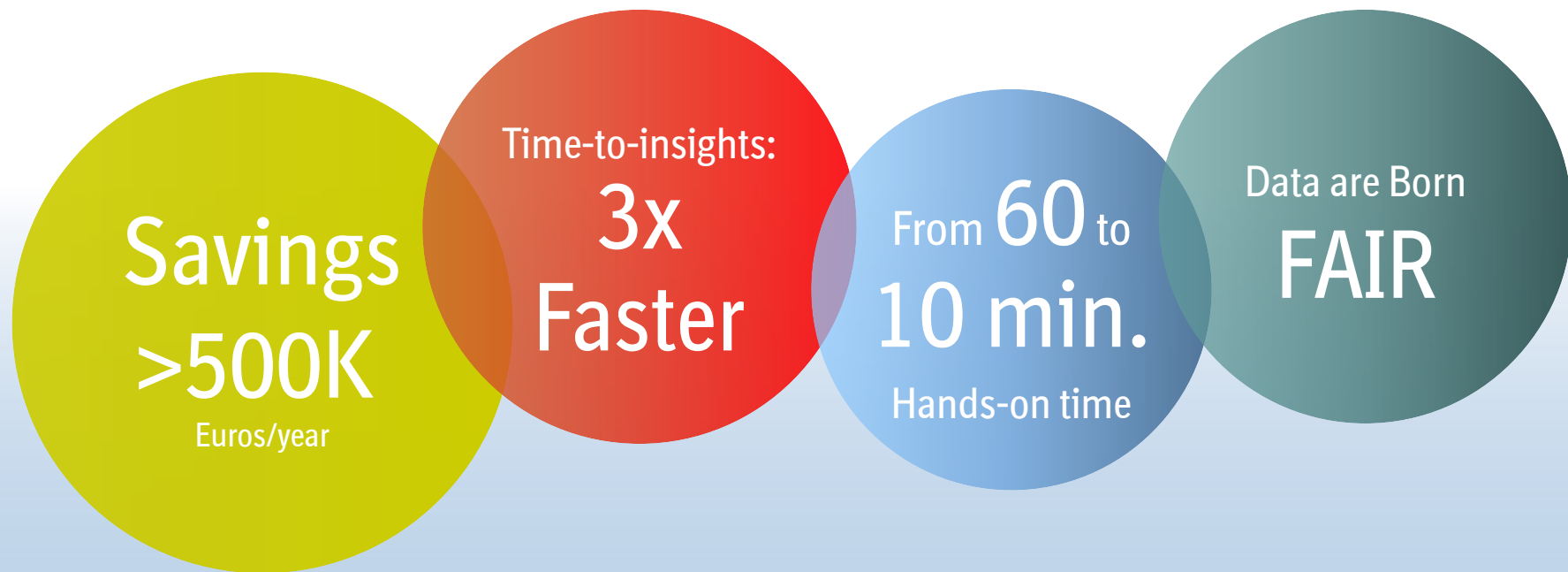
FAIR OMICS Data Management at Boehringer Ingelheim

Pistoia Alliance Annual Conference

Vitaly Sedlyarov | Boston, USA | 15 November 2023



Global Comp Bio. & Digital Sciences team has accomplished in 2023



Boehringer Global OMICS Data Management

Metadata Repository
Knowledge Graph

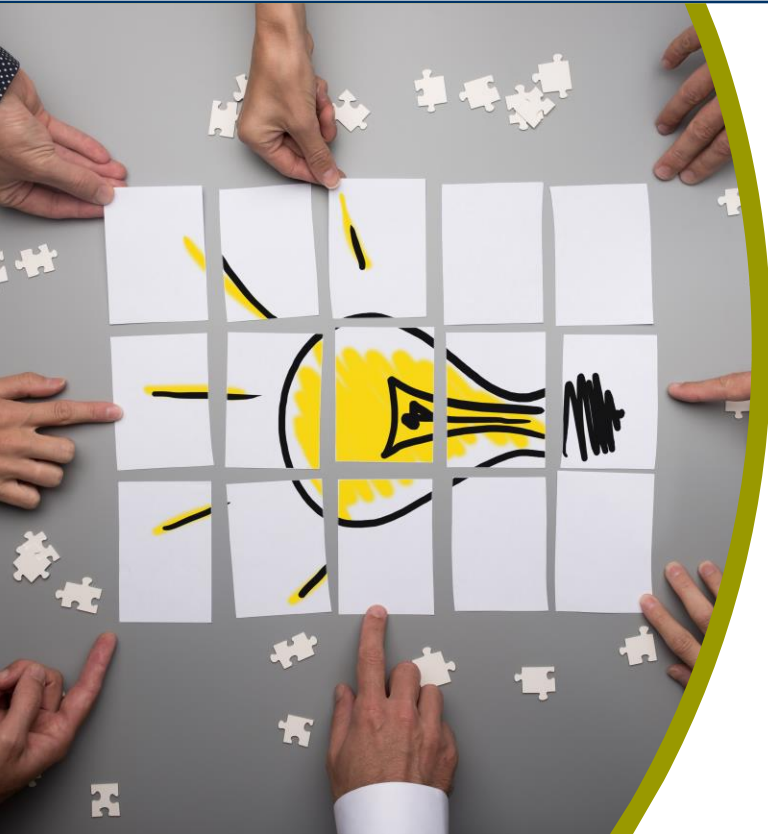


Large File Repository
Cloud-based storage

Derived-Result Repository
Matrix DB

Key learnings

Close IT-Business collaboration



Business needs are served in real-time

- Agile and proactive
- Dedicated IT-facing team in business
- Parallel projects addressing dependency of demands
- Diverse project members IT & Business
 - SMEs from business
 - Cutting-edge IT infrastructure

First-mile to last-mile FAIR

FAIR data need FAIR processes

- FAIR infrastructure (API, pipelines, SSO)
- Deep integration of processing pipelines
- Support of upstream and downstream services
- Usage of public reference ontologies

Born FAIR, processed FAIRly, (re-)consumed FAIR

Governance



Data owner != Process owner

- Clear definition of roles, responsibilities and accountabilities
- Data ownership is ensured by the process
- Life cycle management of assets
- Data access management and control

Questions?



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