



HIGHER EDUCATION AND
SCIENCE IT SHARED
SERVICE CENTRE



RIGA TECHNICAL
UNIVERSITY

Getting ready for DATA World

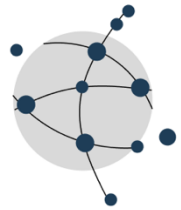
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September 23, 2023



crp

Conference of Rectors and Presidents
of European Universities of Technology



New DATA reality

Projected figures 2025



530%

increase of global data
volume

from 33 zettabytes in
2018 to 175 zettabytes



€829 billion

value of data economy
in the EU27

from €301 billion (2.4%
of EU GDP) in 2018



10.9 million

data professionals in
the EU27

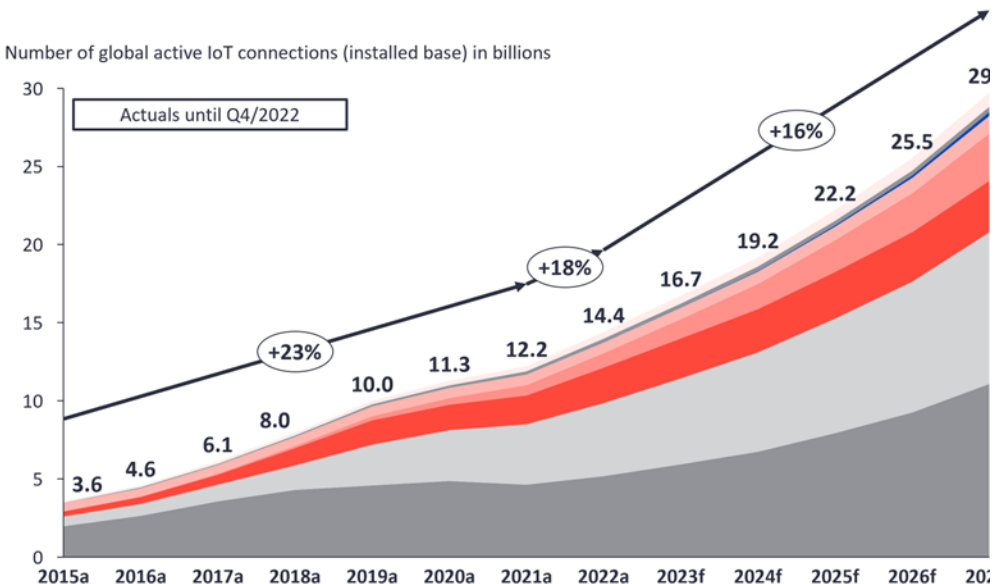
from 5.7 million in 2018

IOT ANALYTICS

May 2023

Global IoT market forecast (in billions of)

Number of global active IoT connections (installed base) in billions



- Exponential growth in Collected data
- Augments «Research Data»
- Critical for Ecosystem competitiveness

Source: [iot-analytics.com](https://www.iot-analytics.com), europa.eu

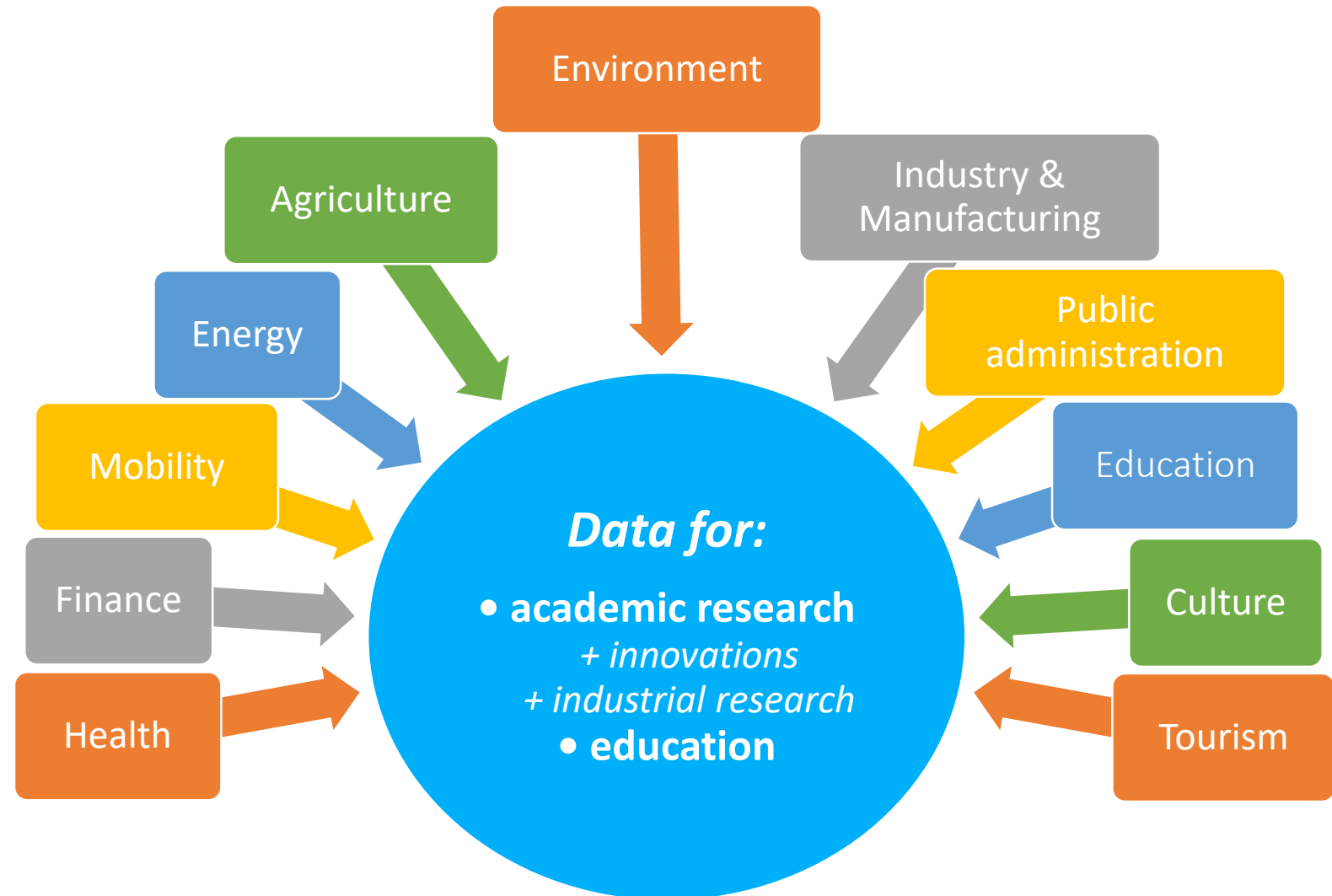




Linking European Data Spaces

European «*data spaces*» will ensure data flow **WITHIN** sectors

Academia needs data
from **ALL** sectors preferably integrated



Role of Academia

Academia uses/controls significant Computational and Data Resources

- High Performance Computing
- Data Driven World
- Cloud Computing
- etc.

HOWEVER

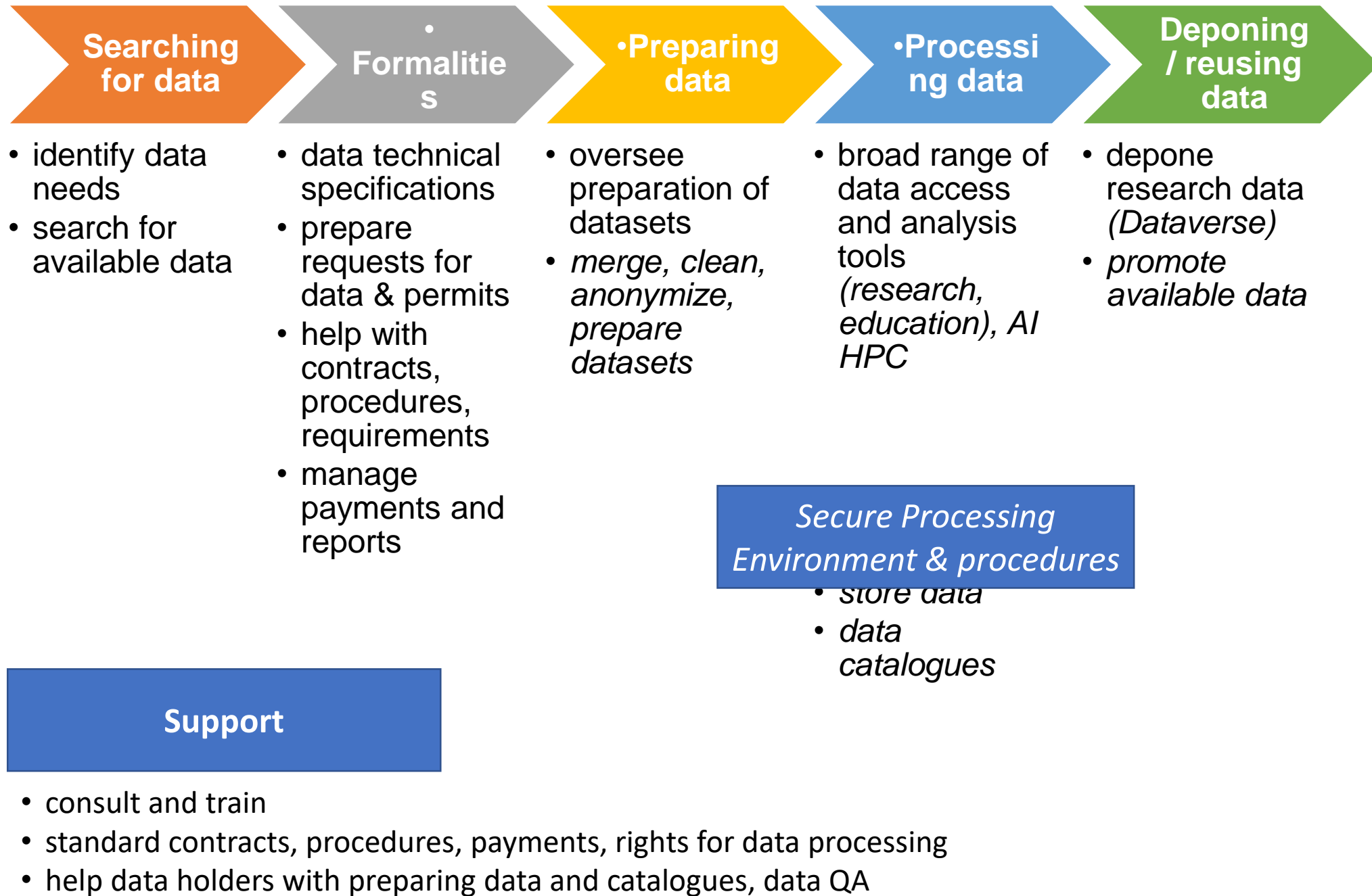
- «External» DATA management presents new challenges:
 - security
 - legal
 - economic
 - Technical
 - trust
 - governance
 - monitoring

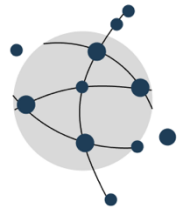
Technical universities are well positioned for the Challenge!





Comprehensive data services for academia





Data Steward project - Activities

1. Develop Human capacity in Data management
 - **Training for data stewards and interested researchers**
2. Data steward information exchange network
3. Institutional Data governance and management systems
4. Cooperation with external «data sources»
 - identify data and its use opportunities
 - Standardized procedures (contracts, processes, infrastructure etc.)
 - pilot-projects
 - «data ecosystem», promotional events
5. Latvia data depositary - global integration
6. Documentation of existing data for academic use



This project is co-funded by
the European Union





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THANK YOU!

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