

Prêt-à-LLOD

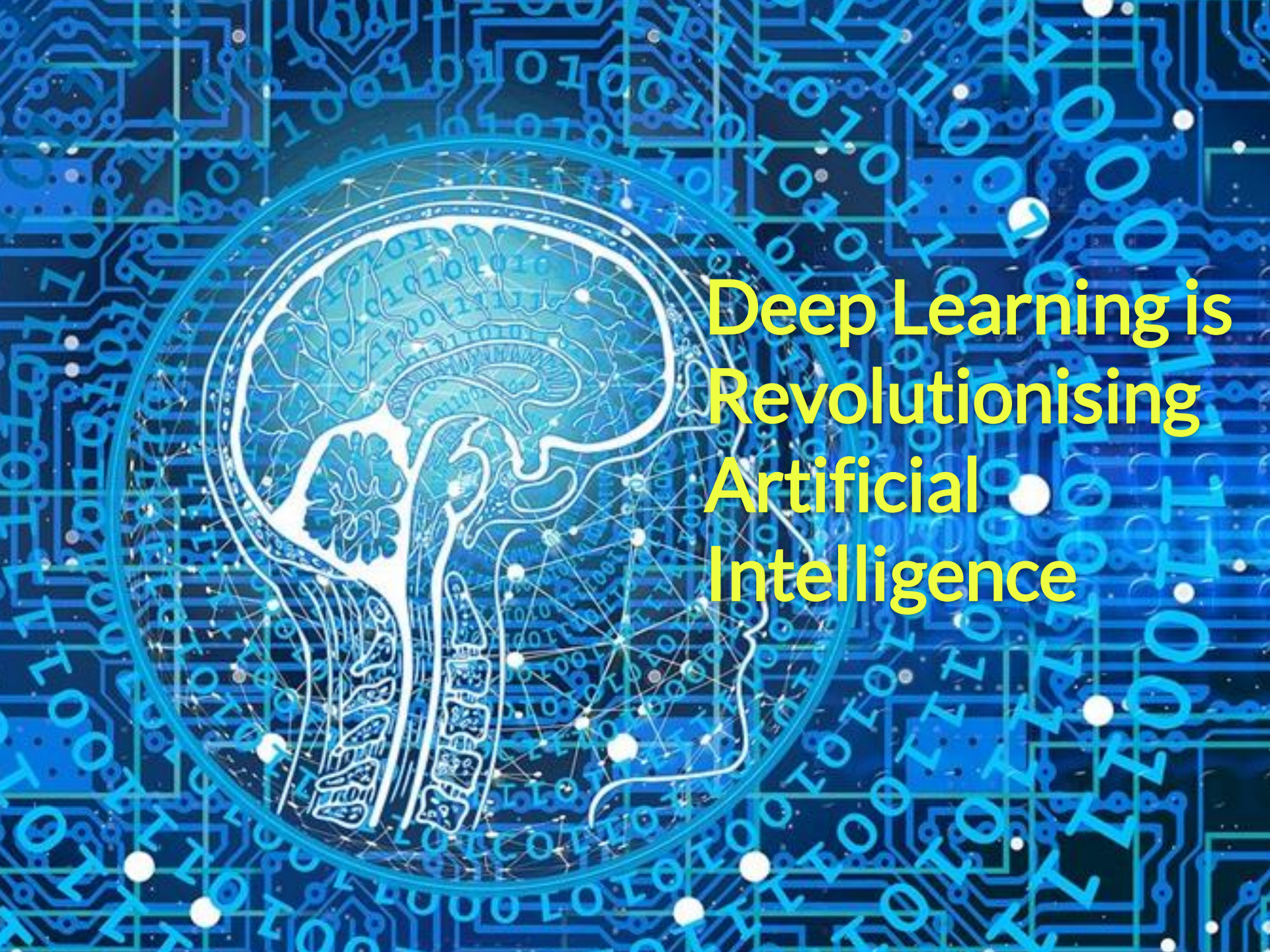
Sustainable Interconnected Data for Artificial Intelligence

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NUI Galway



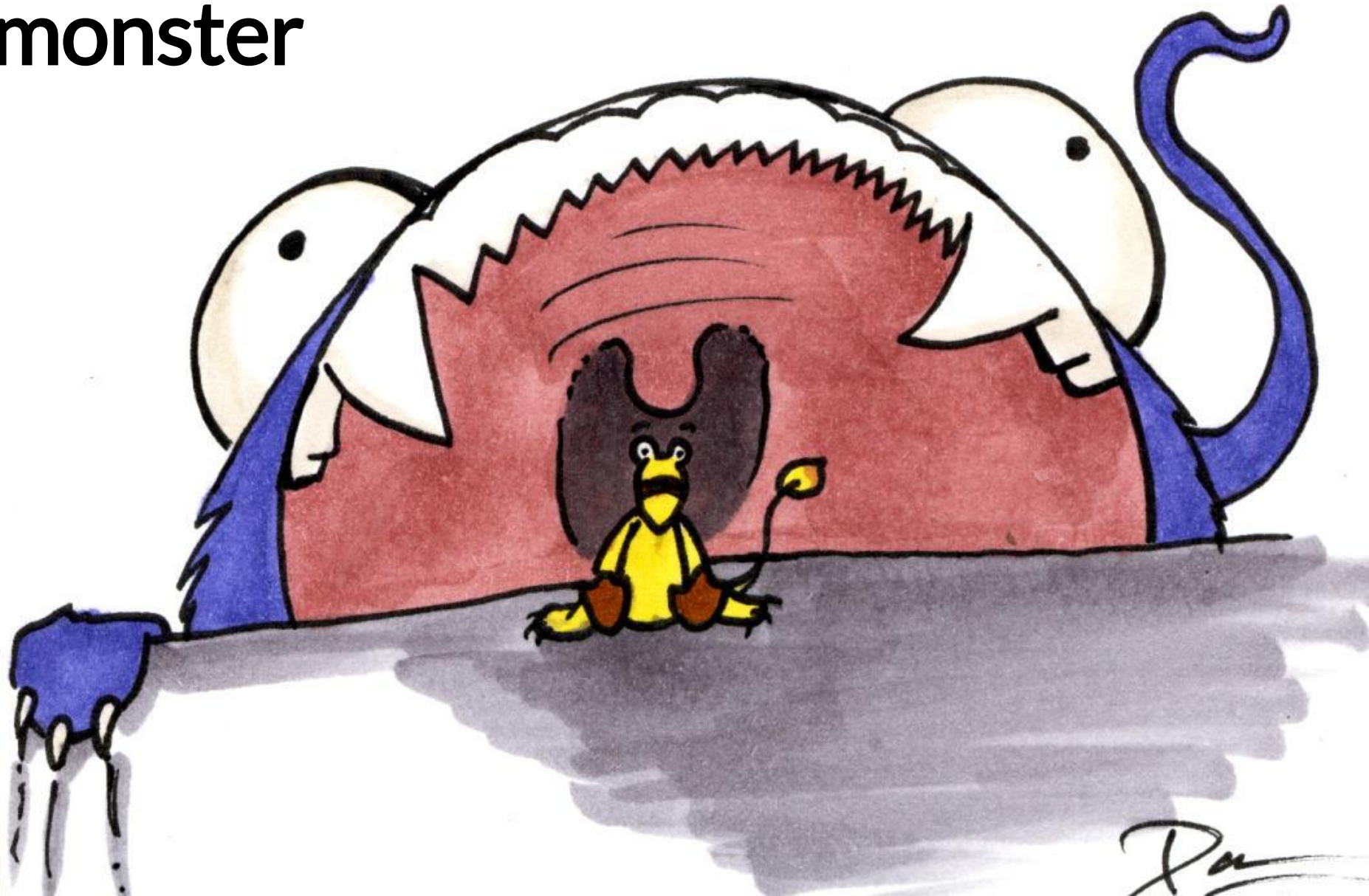
HORIZON 2020¹

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825182



Deep Learning is Revolutionising Artificial Intelligence

Deep learning is a data-hungry monster



Many datasets are no longer available



A photograph of a rural landscape. A paved road with a dashed yellow center line and a solid white edge line curves through a field of dry, brownish grass. In the foreground, a white rectangular road sign with a dark blue border and the text "An Ghaeltacht" in dark blue script is mounted on a metal post. In the background, a small white house with a dark roof is visible on the right side of the road, and rolling hills are in the distance under a blue sky with scattered white clouds.

An Ghaeltacht

Deep Learning
may not benefit
applications and
communities
with less data

Prêt-à-LLOD Project



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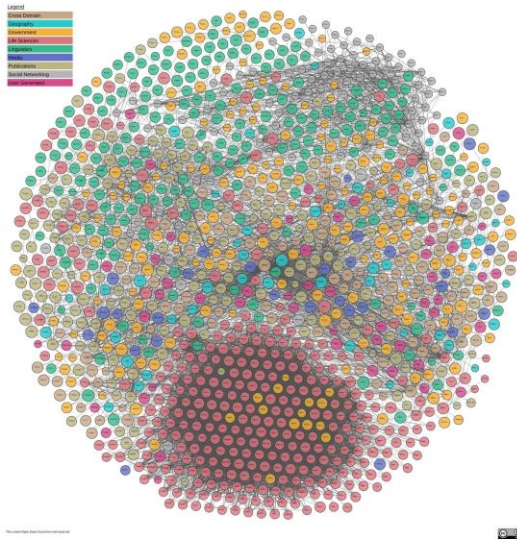
Objective 1 - Multilingual cross-sectoral data access

Data discovery tools aggregated from multiple sources

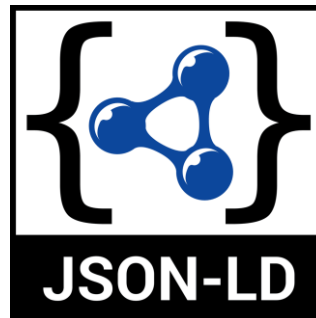
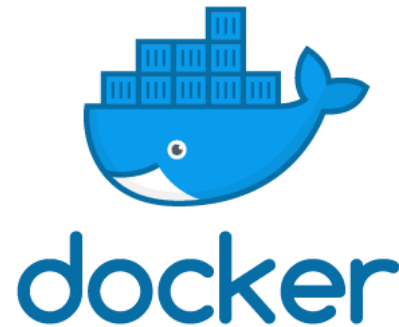
Digital
Single
Market

Deduce probable licenses from complex pipelines

Objective 2 - Interoperable language technology

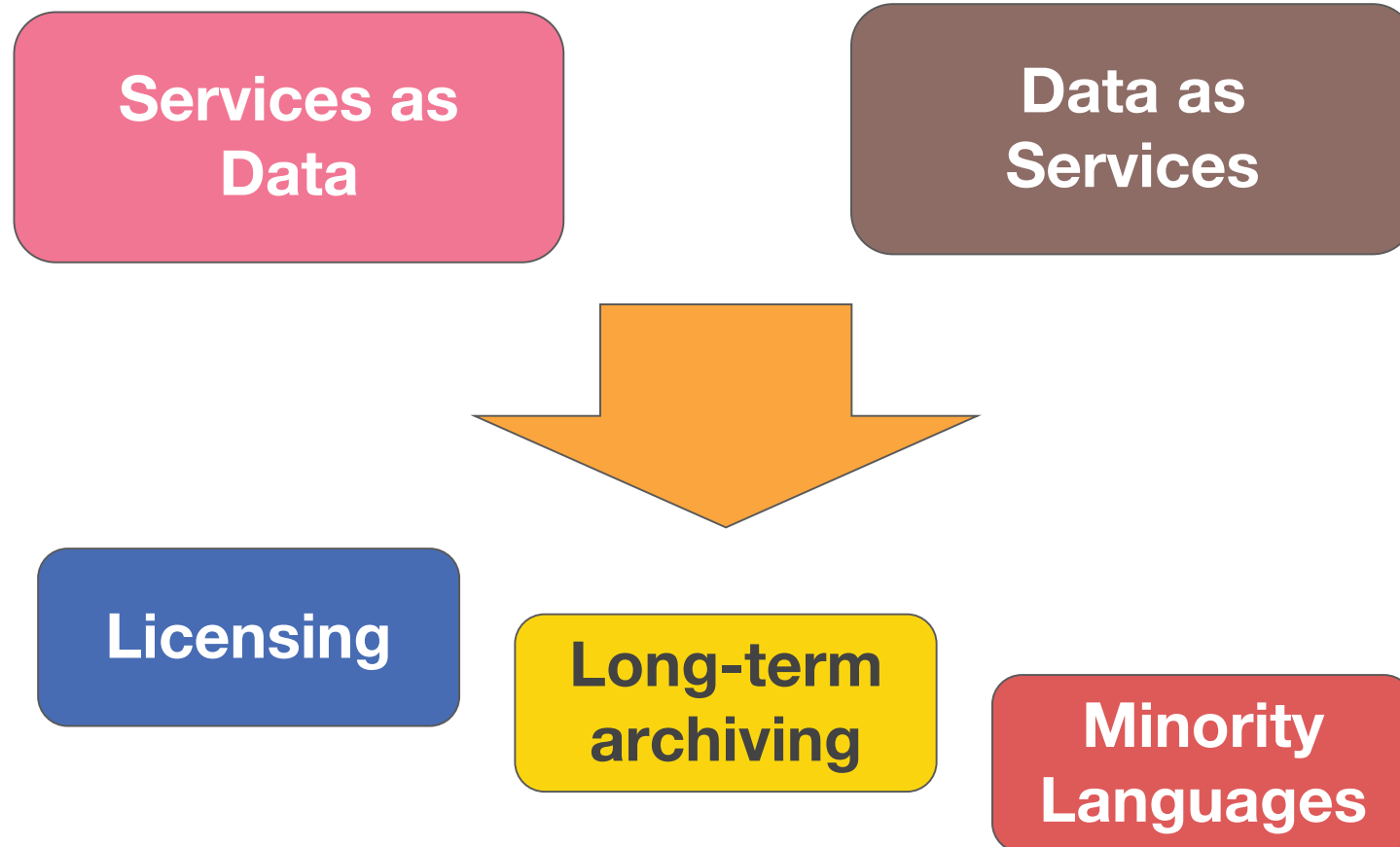


Linked Open Data



European Language Grid

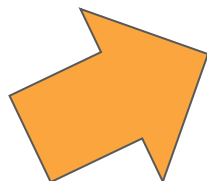
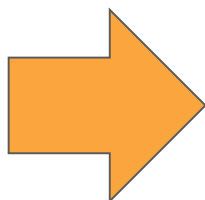
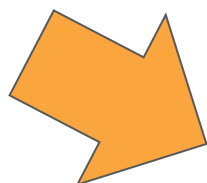
Objective 3 - Sustainability of language technologies/resources





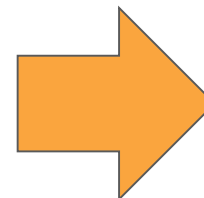
Solutions

LingHub



Platform for
Linguistic
Resources

Deduplicate



Augment

Google
Dataset Search Beta



NUI Galway
OÉ Gaillimh



Universidad
Zaragoza



Politécnica
Universität Bielefeld



GOETHE
UNIVERSITÄT
FRANKFURT AM MAIN



DFK



semalytix



OXFORD
UNIVERSITY PRESS



SEMANTIC WEB COMPANY
linking data to knowledge



Derilinx
DRIVE DECISION MAKING. INSPIRE CHANGE



Going Beyond Linked Data

Linked data is **powerful**

- Data semantics
- Connection between datasets
- Powerful and flexible graph representations

HTTP URLs are **limiting**

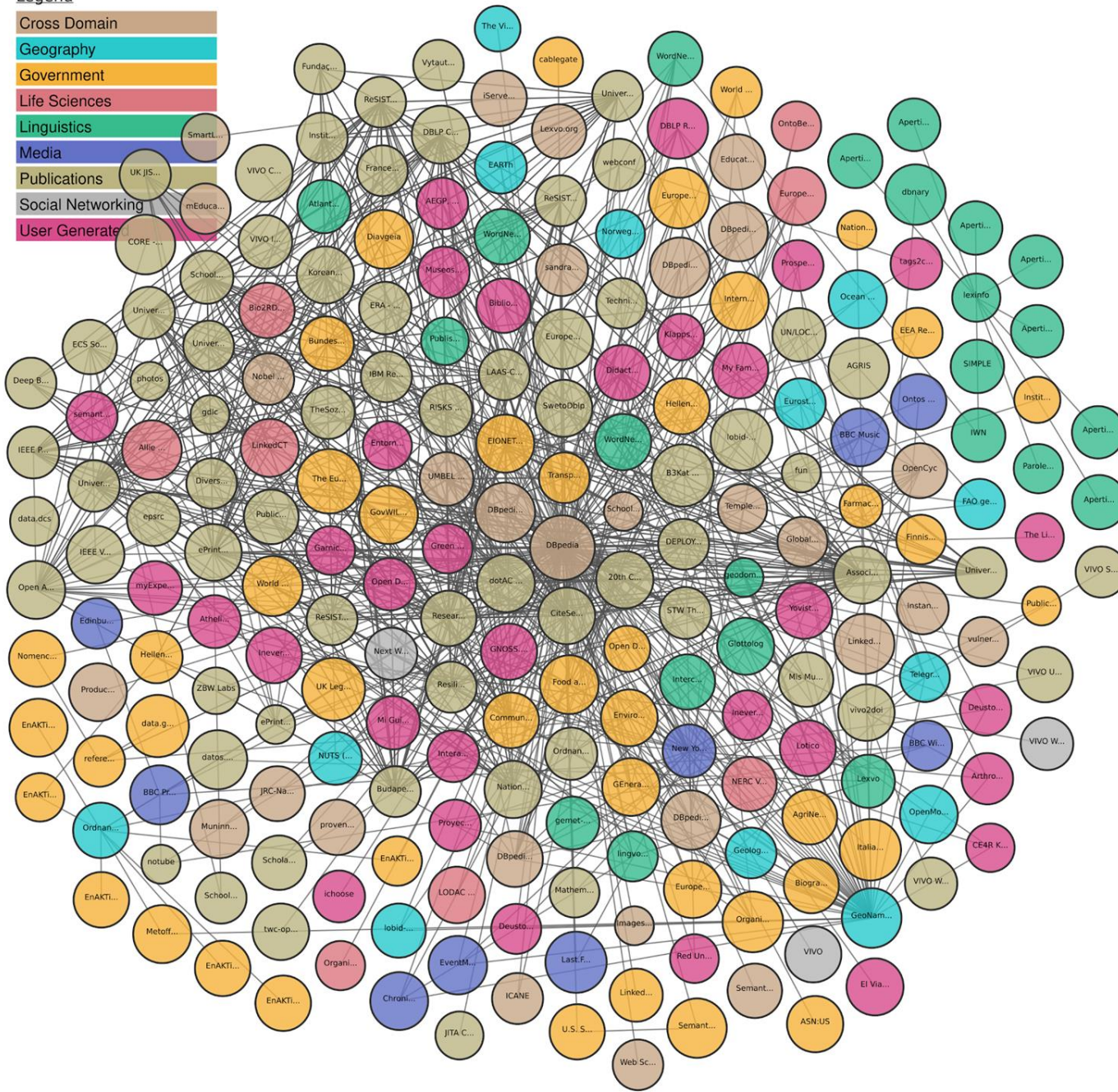
- Domain maintenance costs
- Impossible to mirror
- Frequently used incorrectly

iLOD

- Legend**
- Cross Domain
 - Geography
 - Government
 - Life Sciences
 - Linguistics
 - Media
 - Publications
 - Social Networking
 - User Generated



Data Ho
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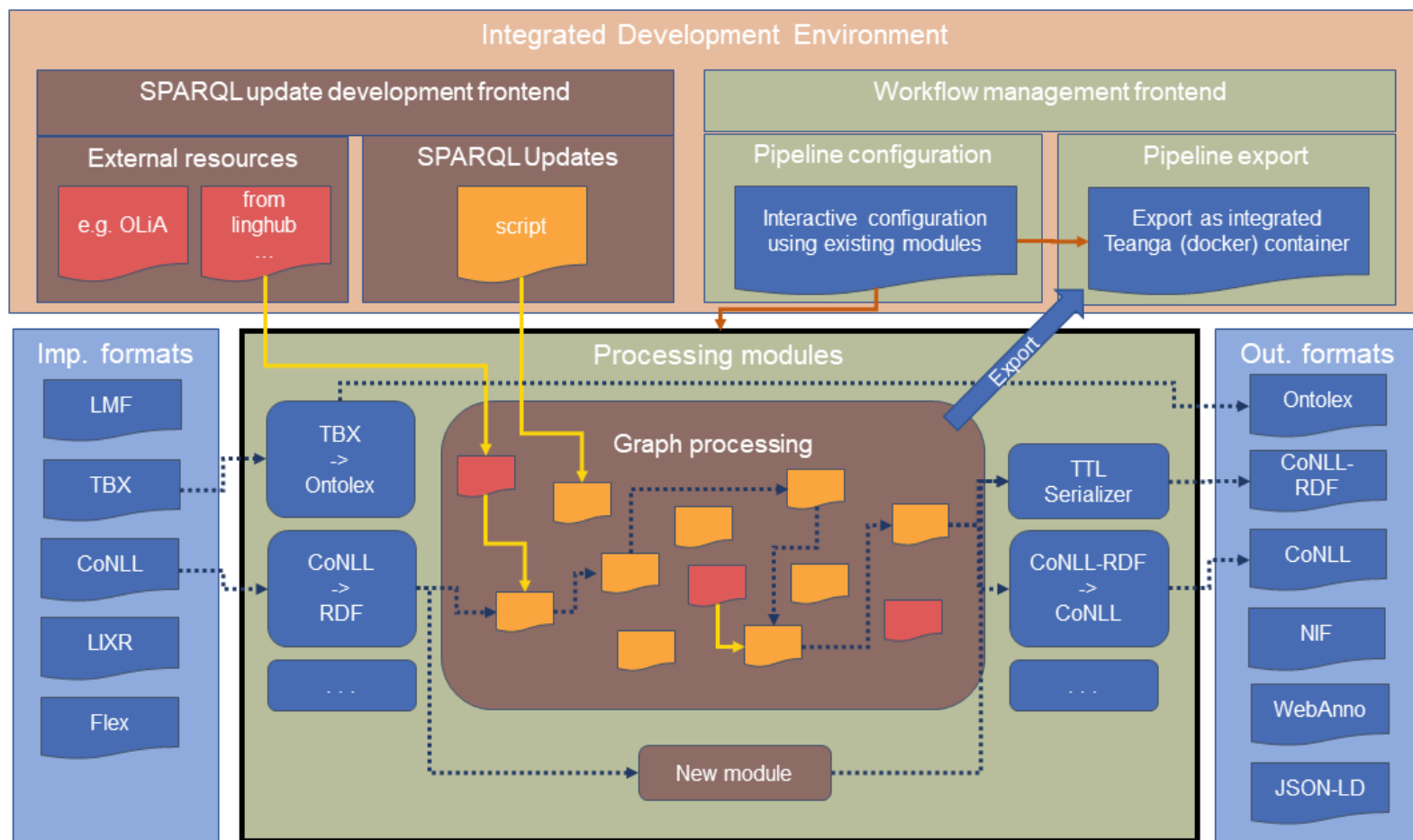




**How might we access
data in 100 years time?**

Fintan

Flexible Integrated Transformation and Annotation eEngineering



Teanga

Linked Data Workflows in Docker

[About](#)[Documentation](#)[Contact](#)[Test the Platform](#)

Linked Data based platform for NLP

Use many NLP services from a single interface, whether that was a single service or multiple services in a pipeline.

[Learn more](#)

Step 2: Create Workflow

Create your workflow by dragging services to the chart area, and then connect them as you wish.



Containerisation

Containerization using Docker for fast implementation.



Easy Installation

Using modern technologies with Docker to make it easy to install by third-party.



Easy to use

Drag-and-drop workflow builder makes Teanga extremely easy to use.



Pipelines

Building services' pipelines in seconds to perform complex NLP tasks.



This project has received funding

Thank you.
Questions?

