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Why we need more than a qualifications register?

Challenges to the use and development of qualifications register in Poland

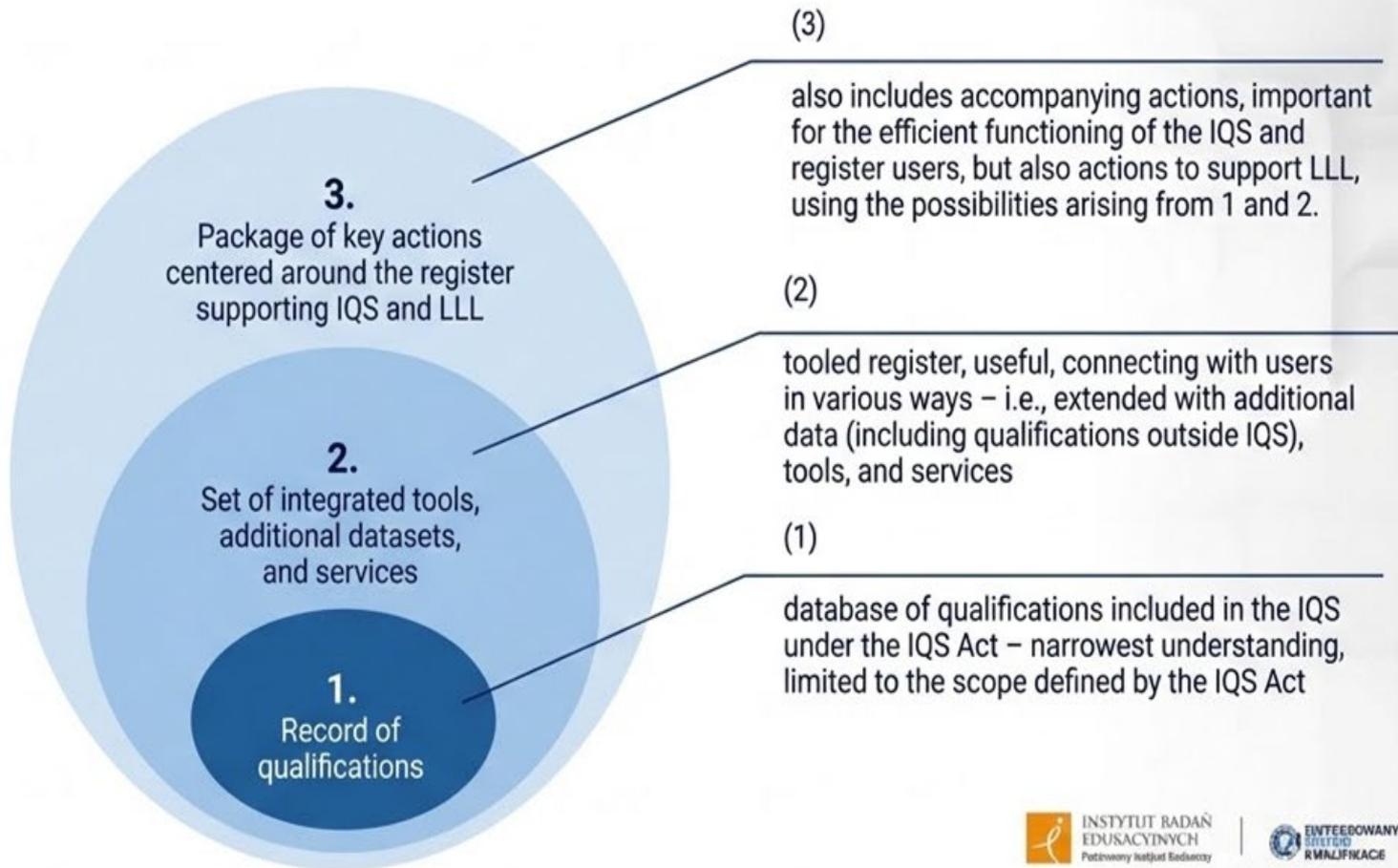
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Integrated Qualifications Register (IQR)

- Part of the Integrated Qualifications System (IQS) established by Law (IQS Act, 2015)
- Includes 20k qualifications from: formal education and non-formal education as well as regulated qualifications.
- The qualifications coverage is limited, especially for qualifications from non-formal education and regulated qualifications.
- The register and its portal is constantly developed in terms of technology as well as UX

<https://kwalifikacje.gov.pl/wyszukiwarka-kwalifikacji>

What is / can the Register be?



New functions → new challenges

- Many users + user-centred design → many interfaces needed

“You need a database to provide information. But you can’t provide the database as information. People like easy access to knowledge”

- Different users → different contexts

“The information about a qualification is nothing without a learning opportunity, a job or a context information about career, earnings or prestige of the awarding institution”

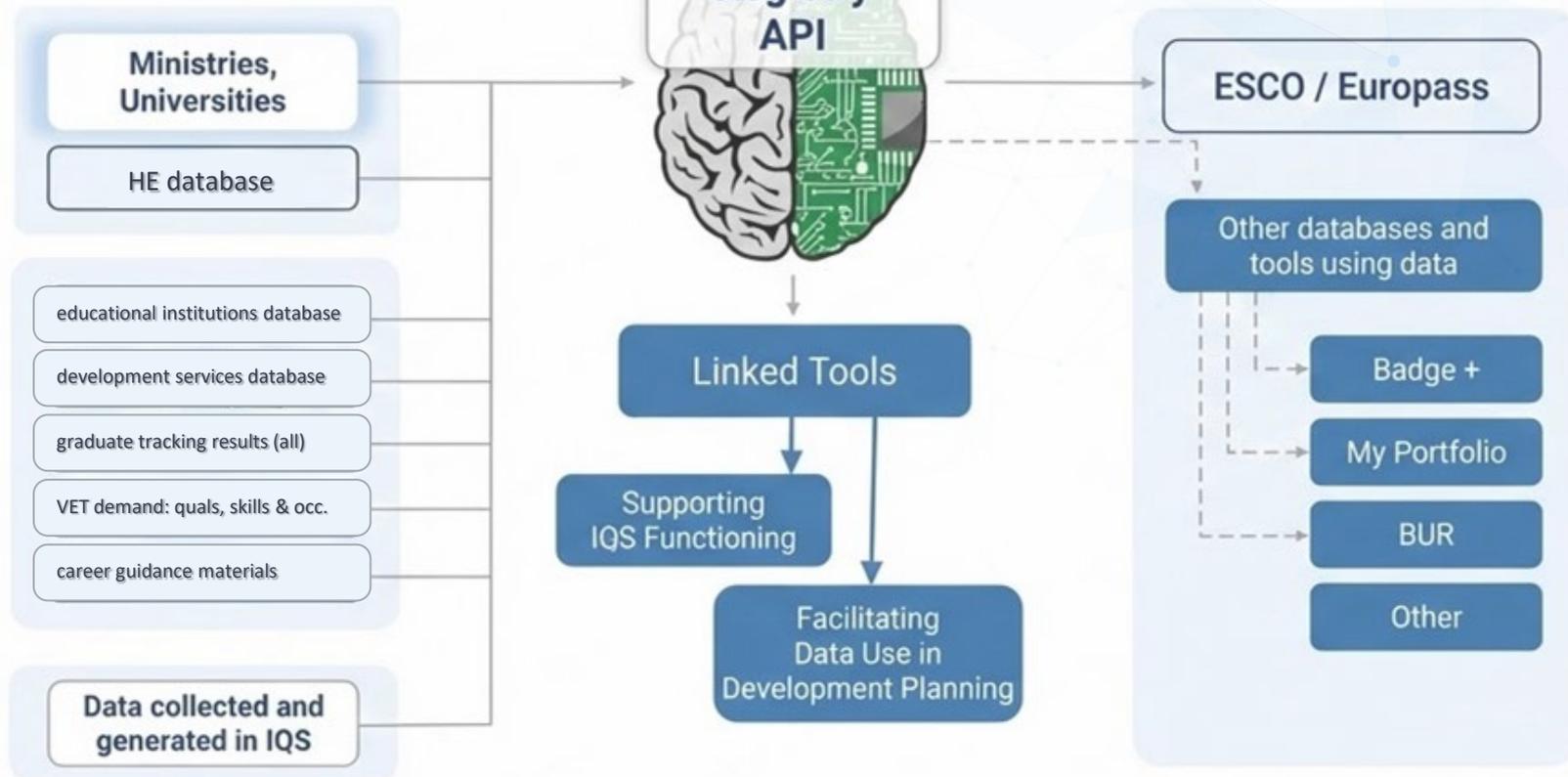
- Different sources → different language

“Which jobs are a good fit for a graduate in Philosophy?”

“The learning outcome concerning ‘teamwork’ is not really the exact equivalent to the job posting requirement of ‘teamwork’.”

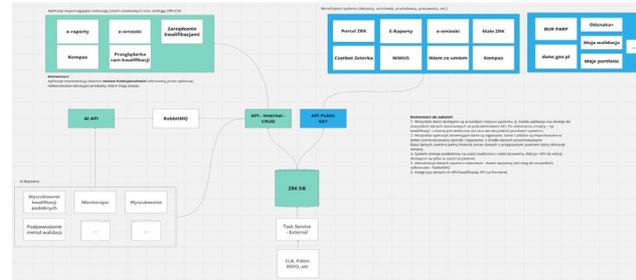
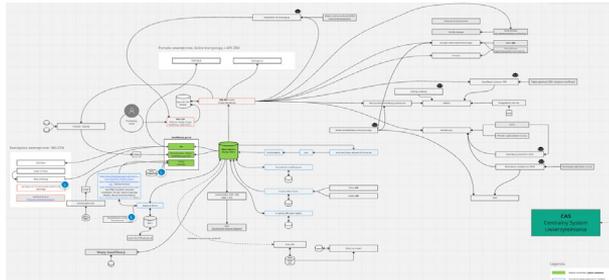
Integration – Usability – One Place

Data Sources & Registers



Data availability and technology challenges

- data accessibility: availability, formats, and flow fragmentation
- building a robust API infrastructure
- connecting non-formal education
- leveraging Machine Learning for model training and data processing



Conceptual and strategic challenges

Different categories, concepts

- professions
- qualifications
- skills
- competences
- job positions
- micro-credentials

Different worlds, systems

- formal education
 - school education
 - higher education
- non-formal education
- labor market
- training market
- guidance

Different traditions

- silo mentality
- specificity
- dynamics of change

Different taxonomies

- KZiS
- ESCO

dispersion, confusion

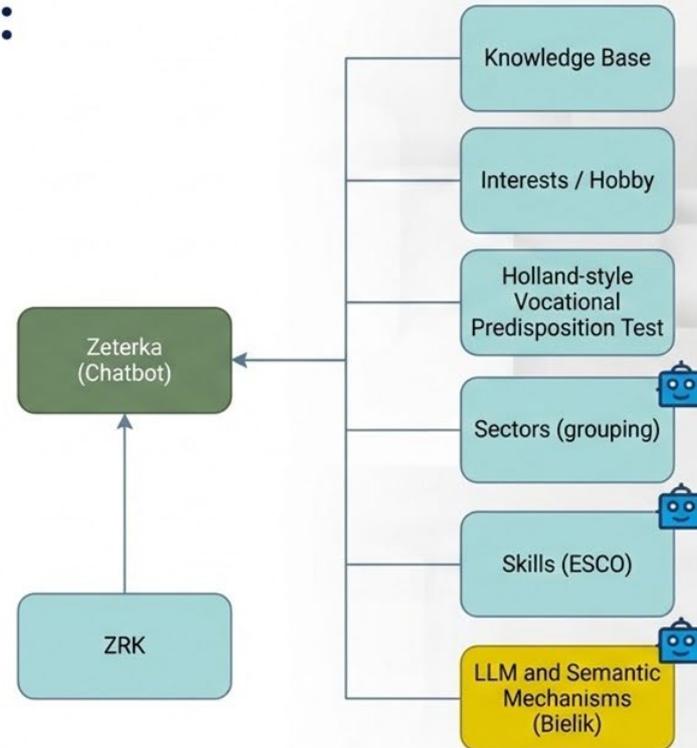


Quo vadimus?

- consolidating multiple applications and tools
- integration with the Database of Development Services (BUR)
- linking career guidance resources with the register
- end-to-end process automation
- expanding labor market data and adult learning insights
- expanding the scope of credentials in (or associated with) the register
- continuous system monitoring and analytics

Data Sources and Integration: Zeterka (Chatbot, Version 1)

1. Development of a simplified predisposition test in the Holland style
2. Supplementing gaps in qualification descriptions for tool mechanisms by:
 - a. assigning ESCO skills
 - b. generating skill lists via appropriately prompted LLM
3. Knowledge Base:
 - a. creating answers to user questions
 - b. assigning questions to publication fragments (annotation work)
 - c. simplifying the language used by Zeterka: through rephrasing publications or using LLM
4. Implementation of an LLM for freer conversation (in testing phase, planned implementation in version 2.)





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