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Mesurer pour comprendre

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BREAL in real life : the OJV use case

Agenda

- BREAL in a few words
- The *Online Job Vacancies* project
- Does the model fit the reality ?

BREAL in a few words : motivations and principles

- One name : **B**ig data **RE**ference **A**rchitecture and **L**ayers
- Two main goals
 - Guide for Big Data investments by NSIs
 - Help to develop and share solutions and services
- Three levels : business, information, application

BREAL in a few words : the main points

- Lifecycle

- Loop on "Development and information discovery process" ...
- ...to help to "Shape output" with "Visual analyses" ...
- ...for "Production" process
- ...with managements : improvement, trust, metadata and so on.

- Architecture

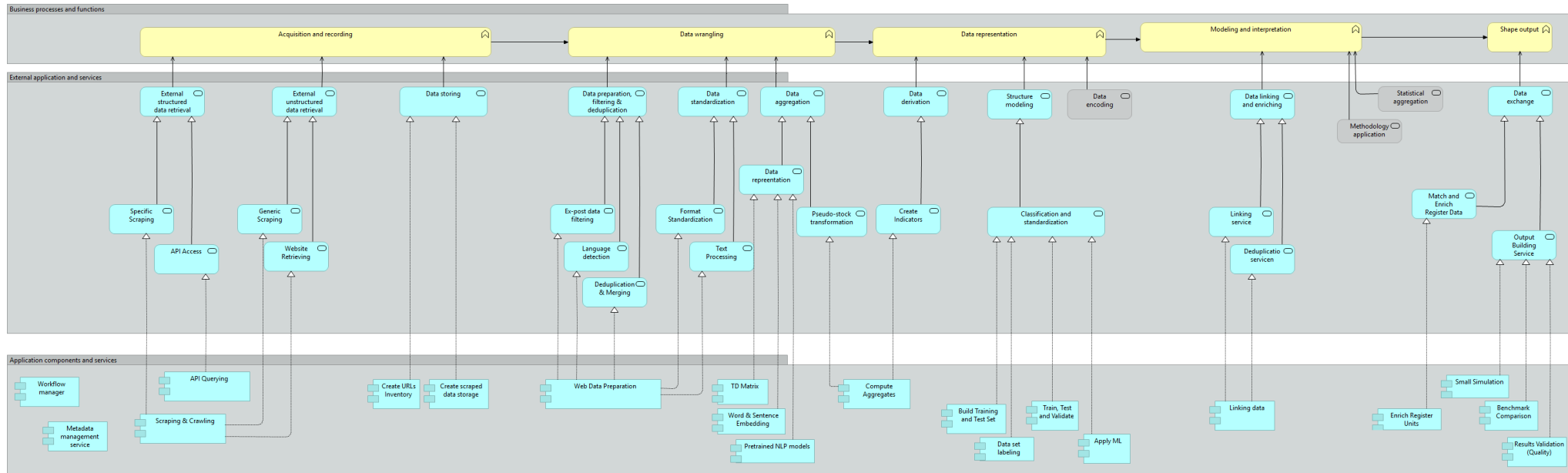
- Application : business processes and application services
- Information : raw, convergence, statistical layers

- Facilitate the integration of OJA into official statistics
 - Identify statistical products and produce experimental statistics from OJA
 - Define conceptual production processes (national and ESS level)
 - Use of CEDEFOP OJA system and data (ESS Data lab)
- Identify requirements of common system for processing OJA
 - Future ESS Web intelligence hub
 - ESSNet partners: BG, CH, DARES, DE, IT, LT, PL, RO, SE, SI, UK, IE, WPF, WPC, WPK

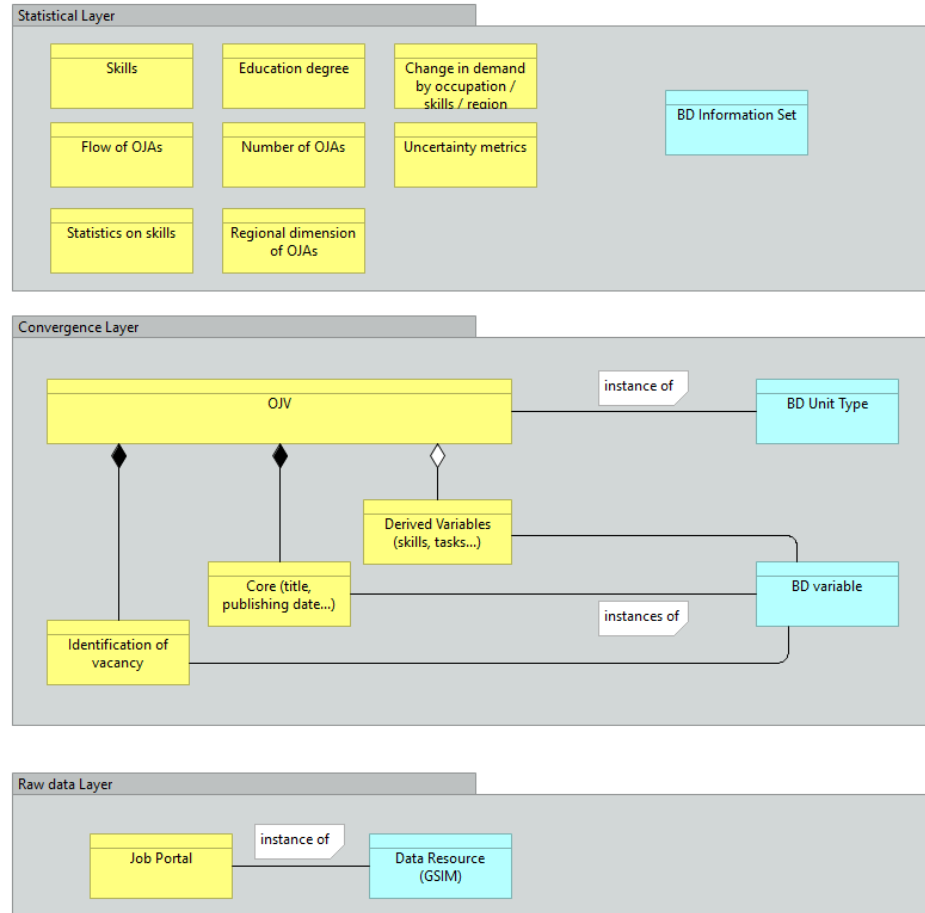
- Identification of potential use cases for using OJA
 - Investigation of the methodology for calculation of statistical indicators.
 - Comparisons and linking of OJA and Job Vacancy Statistics
 - Investigation of other statistics beyond JVS
 - Quality assessment of statistical outputs.
- Investigation of issues around sources and data quality
 - Coverage of sources, Stability of sources, Duplicated advertisements, ...

- **Sharing principles:**
 - modular structure, defined processes and products,
 - working together, possibility to act individually,
 - transparent, certified and audible processes, intermediate products available to all partners and reproducible
- **Define initial OJA Building blocks and services**
 - using ESS EA & SPRA, considering CEDEFOP system
- **Use of BREAL**
 - to ensure the comparability and shareability of solutions and provide enough details for reusing specific solutions, through the solution layer

The *Online Job Vacancies* project according to the BREAL



The *Online Job Vacancies* project according to the BREAL



Does the model fit the reality ?

- Online job portals provides valuable source of information about labour market
 - quality of data depends on ability in collecting, processing of the data and continuous development and improvement
- BREAL provides support for modelisation of key architecture requirements
 - Application architecture: business processes and functions, external application services
 - Information architecture: raw data layer, the convergence layer and the statistical layer
 - Operational model describing sharing data and services scenarios.

To go further

- "BREAL : making Big Data real in statistical processes" – M. Scannapieco (October 30 – 4:05 PM)
- The Big Data II ESSNet projet page : [link](#)

Thank you