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: Big data REference Architecture and Layers
- 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
The Online Job Vacancies project: goals and methods

• 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
The Online Job Vacancies project: in a concrete way

- 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, …
The Online Job Vacancies project: modelisation for sharing

• **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