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Giove 2005: an introduction

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Veneto Lavoro, Observatory and Research

Veneto Lavoro

- VL was established by a Regional Law as a technical agency for the employment
- In coordination with the regional Government and the seven Provinces of the Veneto offers tools and know-how:
 - to study and promote active policies of labour
 - to monitor the trend of the labour market
 - to implement the Regional Labour Market Information System (RLMIS - Netlabor 4.1)
- The Observatory and Research Department publishes a series of monographic issues on specific themes or categories of the labour market
- For more info visit our corporate web site www.venetolavoro.it (we have more slides than time)

Giove: why this name?

- Name: don't try to find any acronym in its name, it's a joke!
- Our first attempt to produce a statistical archive from administrative records is dated 2002
- We used data provided from "Netlabor1" Information System ...
- ... and so Nettuno2002
- With this new effort we chose a planet closer to Earth ... not so close yet!

Giove: the reasons of this project

- Giove exists because the Observatory needs it ...
- ... but its value is based on its use
- We move on the path of a *democracy-of-data* principle
 - break the monopoly that public administration holds on its archives
 - demonstrate the unique value of linked employer/employee data (LEED) in the formulation and evaluation of policy
 - find innovative ways to use PES archives and design Information System
- We want Giove easy to use (not so easy to do)

What Giove is /1

- Giove is a public use database built upon PES administrative archives
- We provide two releases: one blinded and one with the Identifiers
- This became possible during 2003 thanks to the new Data Protection Code that regulates the use of personal data for statistical purposes
- Up to now our committee has accepted six applications

What Giove is /2

- Its data are acquired from the flow of enterprise compulsory communications
- This huge amount of data have been normalized and cleaned for quality purposes
- The first challenge faced was the shift from an administrative data-model to an analytic data-model
- We designed Giove to provide the output that research needs

The database in depth /1

- All Veneto employment data of the private sector since 1995
- We lose only permanent jobs started before informatization but we can provide
 - all the data about temporary works (eligible in Italy since 1998)
 - last ten years of training-on-the-job contracts
 - last ten years of apprenticeship contracts
- Unfortunately we don't have any data about workers' wages
- We don't have the exact firms' size

The database in depth /2

- 2 GB of data, distributed as MySQL dump format
- 4 main tables
 - The workers' table - dbs_lavoratori
 - The firms' table - dbs_aziende
 - The temporary work agencies' table - dbs_agenzie
 - The work records' table - dbs_raplav
- 15 tables of data dictionary - dbs_tb% (contracts, Classification of Economic Activities, citizenships ...)

Giove: how to

- You need to know some SQL (at least for the dataset extraction)
- There are many "connectors" available to access data stored in MySQL RDBMS
 - Programming language
 - PERL, PHP and Python
 - JAVA/JDBC
 - Python, Ruby, .NET, C++ and many more
 - Statistical Computing
 - R-project/RODBC, RMySQL
 - STATA, SAS and SPSS through ODBC
- Check our References to see what you can do with Giove

What we have used Giove for

- workers' mobility
- fixed terms contracts (temporary work, part-time, etc)
- non EU workers and new EU workers
- industrial sectors dynamics
- sector recruiting strategies

The next future of Giove

- We are trying to lengthen, to enlarge, to document and to share Giove
- The version of Giove 2006 (to be released in three months) will have:
 - data based on a fresher RLMIS extraction
 - **mobility lists data**
 - **unemployment data**
 - firms'size data thanks to the link with VWH (University of Venezia)
- More documentation available through the web
- We can't yet promise but we're working on a "larger" version of Giove (why not Marte) with data of Friuli Venezia Giulia