Digital Transformation, Reuse and Models in Regional Governments

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> 50% IT solutions are open source
- Server (Linux distributions)
- Middleware (JBoss/Tomcat; DB MySQL e PostgreSQL; application lifecycle Management Devops based)
- Custom Application (Java; PHP; Python)
- Web Content Management System (Plone)

Vendor solutions only when required (SAP, Microsoft, Google, IBM, Oracle)

Open source in Emilia-Romagna Administration

- DOCER

  Documents management and storage platform shared with Local Administrations (Alfresco)

- SELF

  E-learning platform shared with Local Administrations (Moodle)

- DEMETRA

  Multilevel platform for regional laws process and consultation management, shared with Tuscany, Liguria, some banks and companies (Solr, Sugar, Silverstrip, Linux)

- FEDERA

  Management of local ID, shared with Veneto, Marche, Umbria, enabled us to deliver SPID

- SILER

  Job services integration platform shared with Umbria, Puglia, Val d'Aosta, Trento, Calabria

Furthermore…

- SAP

  Customization of SAP financial accounting patterns shared with Trento, Bolzano, Lazio, Lombardia, Puglia

PLATFORMS

- Where people share experiences and knowledge
- Where data converge and generate new contents
- Also without software.....

We count 310 municipalities, 9 departments, 12 health public companies and the Regional Administration: about 60 thousand employees in the local public sector

Therefore we must implement solutions for convince the persons who are working that the world can improve

We conceive every new solution like a *platform,* where people should share expereiences, knowledge and an data can converge and generate new contents

It's a matter of Human Capital, not only technology

From this point of view we reach a new broad approach to reuse

Regione Emilia-Romagna

We are debating a law about Big Data in E-R

We are pursuing to create a Data Valley in E-R:

- We are candidating Bo to host the pre-exascale machine ...

- We are promoting the birth of an international participatory foundation to study, explore and apply Big Data, AI and DT to private and public sector

- We are hosting the Cerenkov Telescope Array, an European ... (Eric) which will gather big data from 180 telescopes of northern and southern hemisphere

- We keep on building the E-R Big Data Technopole hosting the EWFN

Regione Emilia-Romagna

A showcase: Bologna Big Data Technopole

- 100.000 sqm for data centres, laboratories, competence centre, Arter Company

- Investment with European, national and regional resources for the digital economy, big data, climate change, around 300 millions of euros

- Participation in the European call euroHPC hosting entity

Regione Emilia-Romagna

Thanks for your attention

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