



SEnDIng Final Conference

Bridging education and business needs

















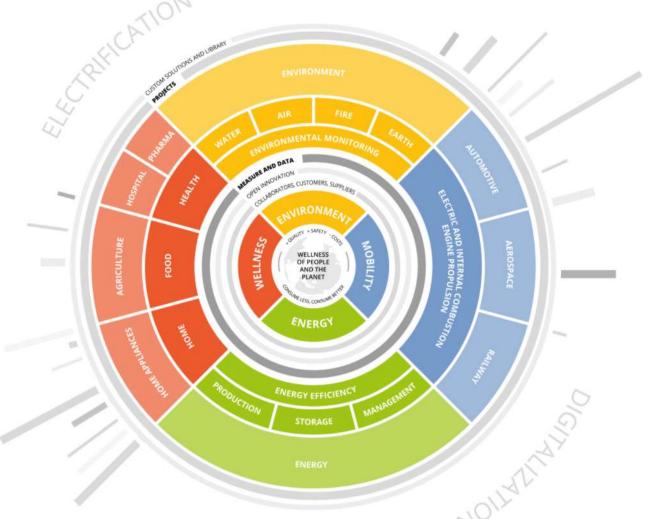








### The genesis of the project







# Managing the future of a competence-based company integrating people and technology





Managing the future of a competence-based company integrating people and technology



# Da.Re. Data science pathways to Re-imagine education

Erasmus + initiative

supporting
development of a new curriculum for data science
and
recommendations on how it can be applied across Europe in
the short and long terms



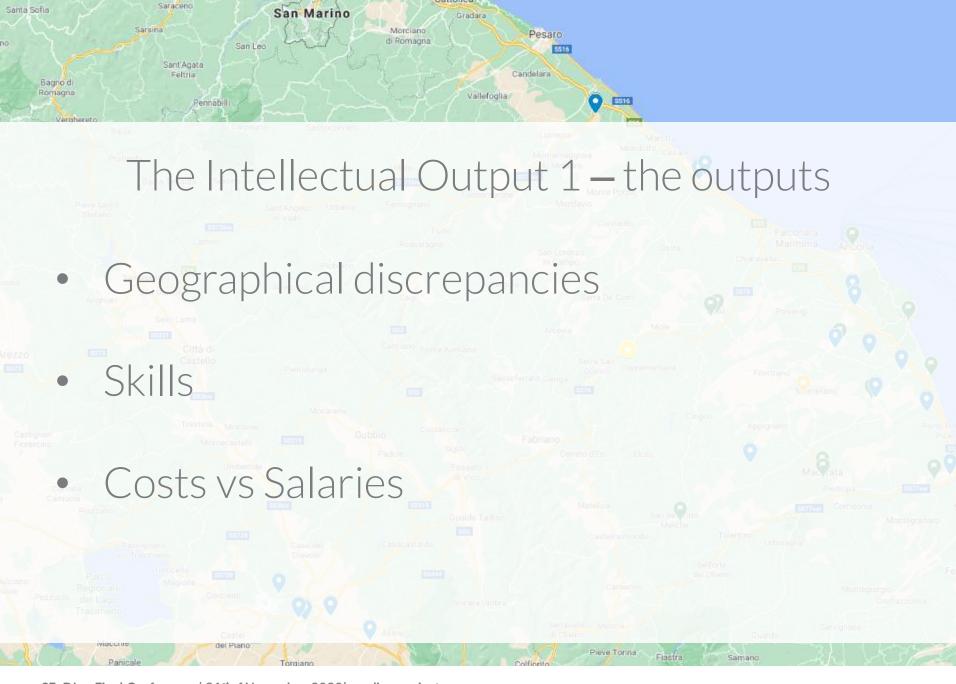




### The Pathway to re-imagine education

Map Pilot Curriculum





### The Intellectual Output 1 – the conclusions

Our research identified a gap in the provision of data science education that is not satisfied by the universities or boot camps, namely for what we have called the bridge person, someone who combines knowledge of an organisation's business with sufficient knowledge and understanding of data science to 'bridge' between nontechnical people in the business with highly skilled data scientists able to add value to the business.

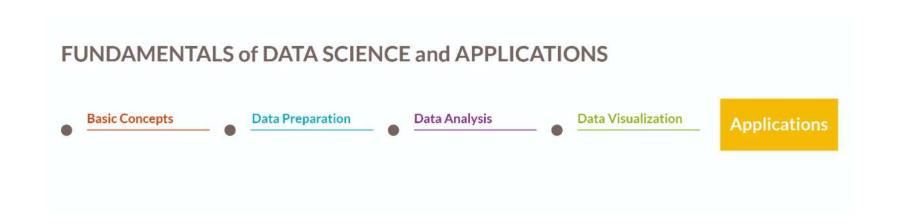
### The Intellectual Output 2 – the Pilot Course

- 150 hours
- Theory and Practice
- Online and offline learning
- International and horizontal level



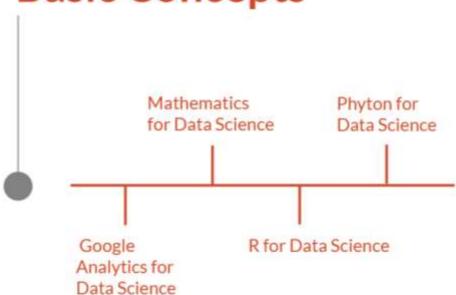


### Training the Bridge Person





### **Basic Concepts**











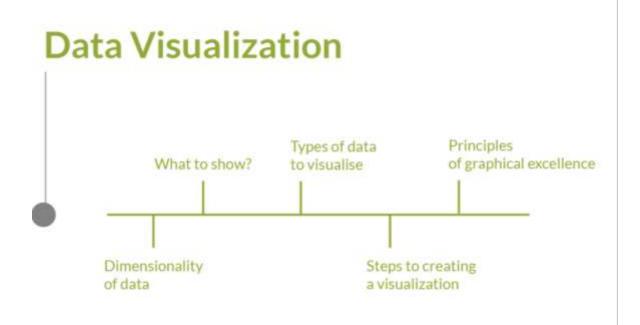


# Data Analysis Clustering Classification Dimensionality Regression



Reduction











#### **Applications**

- 1. Web Analytics applied to your own website
- 2. Time series analysis for biomedical analytics
- 3. The Energy Signature of the Loccioni Leaf Community
- 4. The Stationarity Analysis of the Loccioni Pressure Multiplier





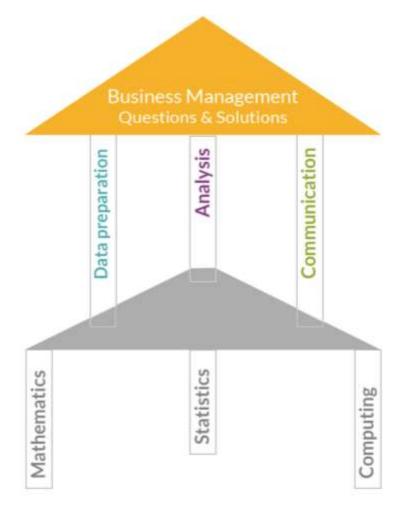
## Are we waiting for training the future data scientists and hire them?

The Da.Re. Handbook



### The Intellectual Output 3 – the Curriculum

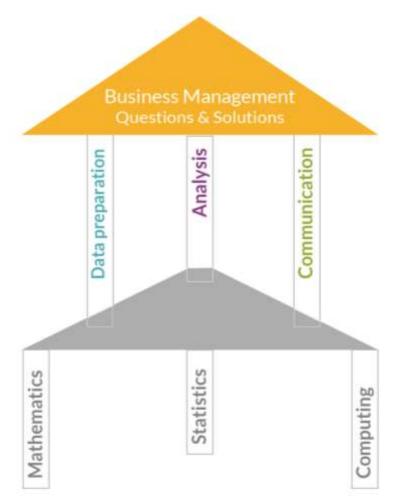
- Cross-sectoral
- International
- Multi-targeted
- Accessible





### The Intellectual Output 3 – the Curriculum

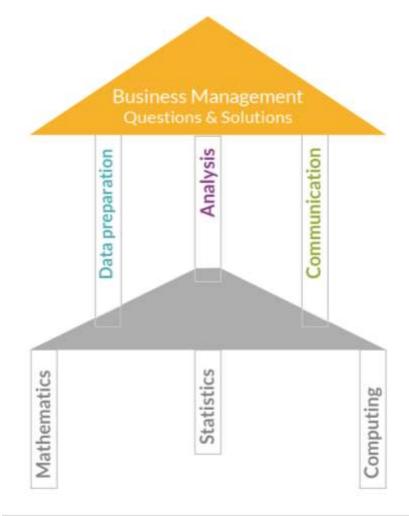
- Norms & Standards
  - EU Lev. 7 chosen
- Competencies
  - To be chosen
  - To be exchanged
- Learning Outcomes
- Future opportunities





### The Intellectual Output 3 – the Curriculum

We started from the top to analyse the whole architecture of Data Science, looking for the ways for re-imagining education. To manage reallife issues and create value using data.





### Lessons learnt Start with "why" Work horizontally Keep it simple...not too much! Format of the courses Costs Long terms results





Thank You!

dare-project.eu



















