





Big Data Monitoring for European Funds: Tuscany Case Study (IT)



Targeted data management for evidence based evaluation of Rural Development Programmes 2014-20 5-6 December 2016 Bordeaux (FRANCE)

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Contents: Case Study SIART

Scenario: Monitoring 2007-2013 EU Agri Funds

- Strenght & Weakness (IT as core business)
- Maturity model & business scorecard
- Lesson learned

Experience derived from implementing that Regulation shows that certain elements of the financing and monitoring mechanism need to be adjusted

BI Monitoring 2014-2020 EU Agri Funds

- IT governance & management processes
- Business Case
- Technology for BI
- Implementation, Monitoring & KPI

Objective: Ready to answer to Evaluation & Information Needs!

Strenght & Weakness

IT as Core Business

- IT & Enterprise Governance Alignment
- All stakeholders involved in the main setting (Steering group, managing & monitoring Authority (ADG), evaluators, certification authorities, paying agency)
- Procedures for authorisation, validation and payment completely automated & integrated
- Extensive use of web services for immediate accessing to other DB sources
- Internal competencies and skills
- A large quantity of data
- Internal service level agreement
- Peaks and workload
- Urgency could lead to lack/weak analysis
- Reworks
- Training & skilled personnel

Maturity Model

External Assurance Provider Involvement to Evaluate IT

Maturity

Survey

Interview to key users

TeamWorks (Stakeholders Involvement)





Monitoring & Evaluation!

Monitoring PSR 2007-2013

PAGATO PER COMPETENZA

PAGATO PER ANNO SOLARE

0,00

0,00

197.275,70

8.363.316,64

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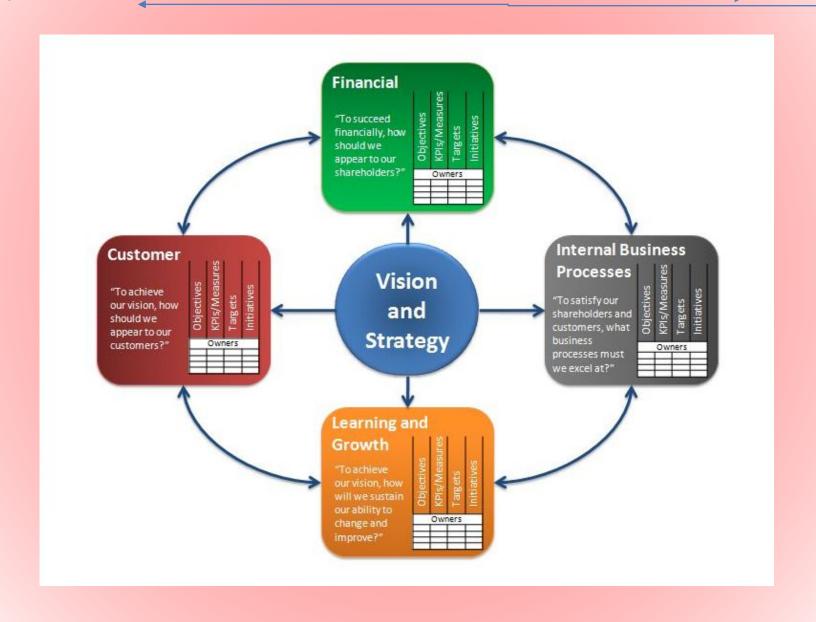
9.310.463,36

1.613.848,39

4.275.227,52



Business Scorecard



Lesson Learned

Objective : Answer to Evaluation Needs ?

- Structured Data
- Several type of data
- Data Dictionary
- Structured Reports
- Data Availability on Time
- Quality
- Automatic Tools

Big Data

data sets

that are so large or complex that traditional data processing applications are inadequate to deal with them.

Challenges include:

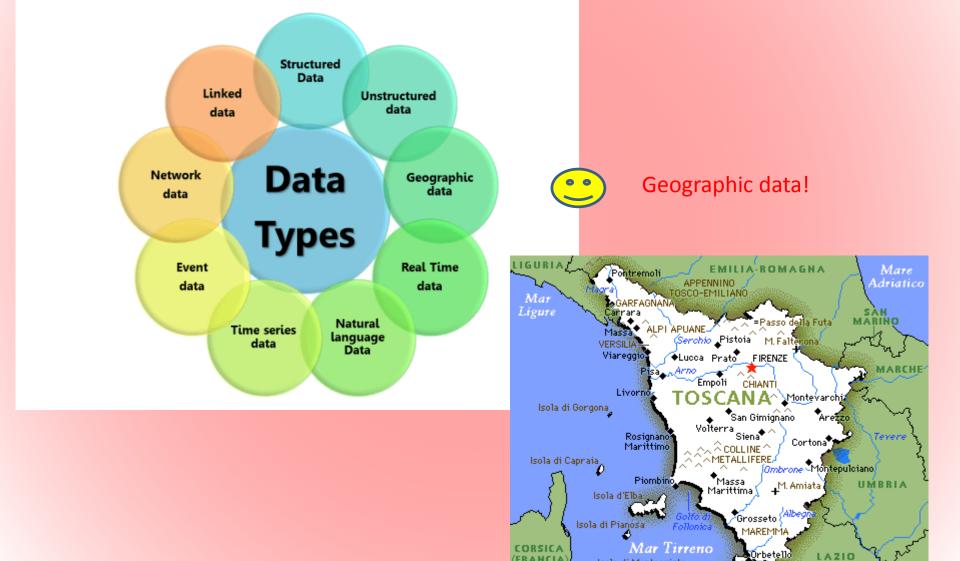
- analysis,
- capture,
- data curation,
- search,
- sharing,
- storage,
- transfer,
- visualization,
- querying,
- updating
- information privacy

On time

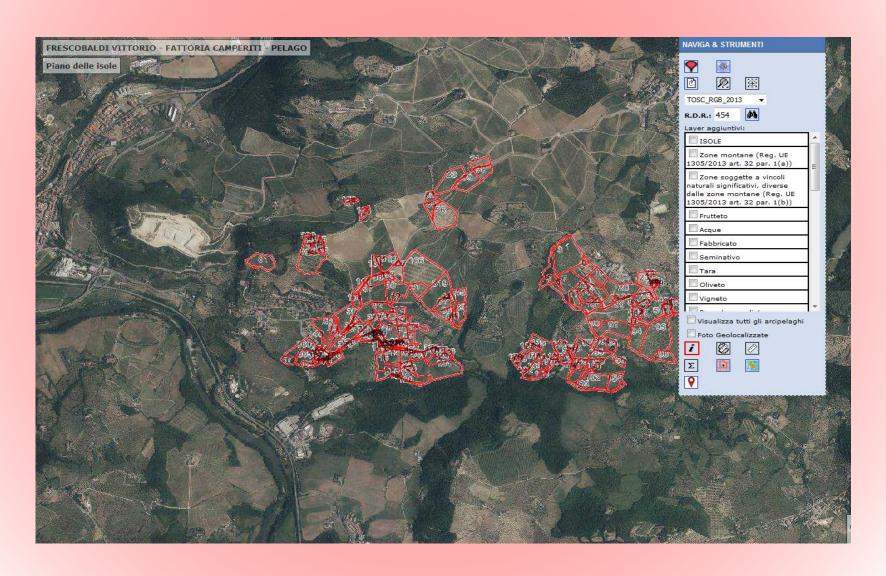
plus

historical archives!

Available Big Data Types



Geographic data (cultivation plan) gathered since applications



BI Developing Process

Value Governance

- VG1: Establish informed and committed leadership.
- VG2: Define and implement processes.
- VG3: Define portfolio characteristics.
- VG4: Align and integrate value management with enterprise financial planning.
- VG5: Establish effective governance monitoring.
- VG6: Continuously improve value management practices.

Portfolio Management

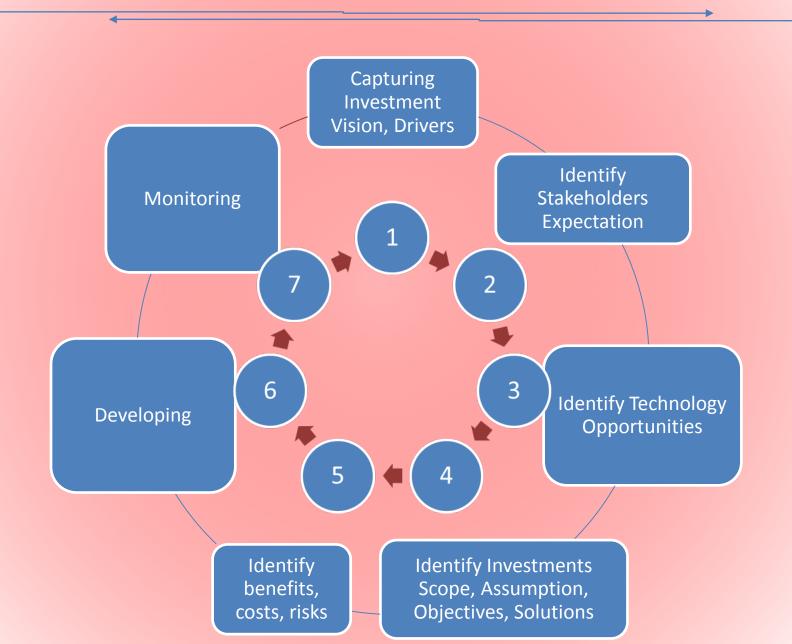
- PM1: Establish strategic direction and target investment mix.
- PM2: Determine the availability and sources of funds.
- PM3: Manage the availability of human resources.
- PM4: Evaluate and select programmes to fund.
- PM5: Monitor and report on investment portfolio performance.
- PM6: Optimise portfolio performance

investment Management

- IM1: Develop and evaluate the initial programme concept business case.
- IM2: Understand the candidate programme and implementation options.
- IM3: Develop the programme plan.
- IM4: Develop full life-cycle costs and benefits.
- IM5: Develop the detailed candidate programme business case.
- IM6: Launch and manage the programme.
- IM7: Update operational IT portfolios.
- IM8: Update the business case.
- IM9: Monitor and report on the programme.
- IM10: Retire the programme.

Source: ISACA VAL IT

Business Case for BI on EU Agricultural Funds



BI Tools

Reports and KPI!

Performance & Conformance



Conclusion: Future Issues & Next Steps

Do we need efficiency and economical improvement on controls processes ... why don't we use drones?

