# S.A.M.P.L.E.

**Small Area Methods for
Poverty and Living condition Estimates**

III SAMPLE Meeting, Warsaw 23-25 Mars 2010

# Engaging local community: a data-centered social application

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# WP4 Main Goals

The main deliverable for WP4 is a

## web application

which will be the "portal"
for social inclusion activities
in the province of Pisa

# Software Application Purposes

- give a real-world application of SAMPLE results;

- support policy-making and implementation at the local level;

- contribute to the public debate by creating information-rich, easy to use, easy-to-understand graphics;

- share knowledge and improve local abilities.

# Application overview



WP4 web application

1. Data & reporting ⊕
2. Social network ⊕
3. News and documents
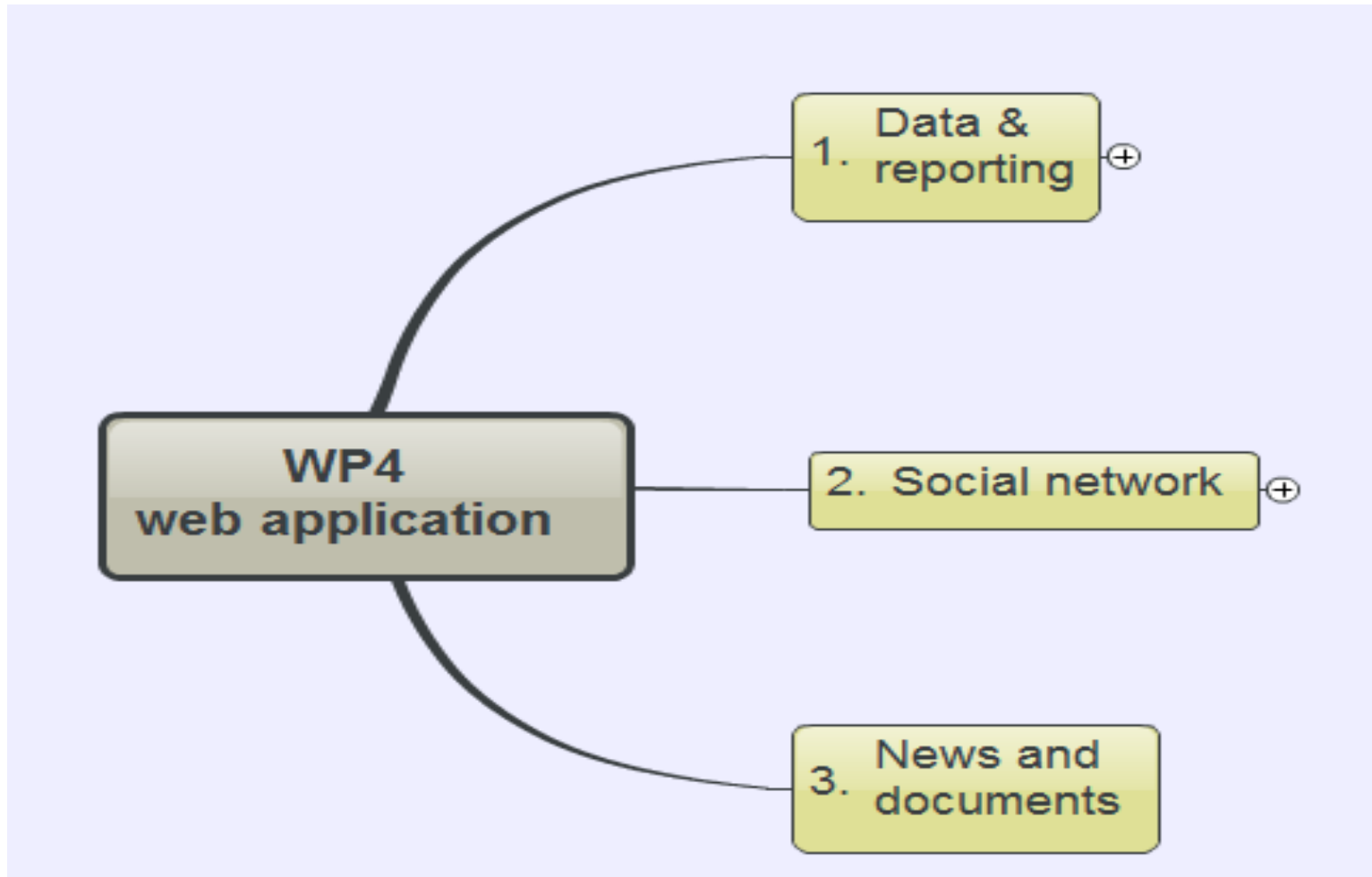
# Software Application - Background

We followed the most recent best practices in the field of statistical data representation

- Open Data Movement
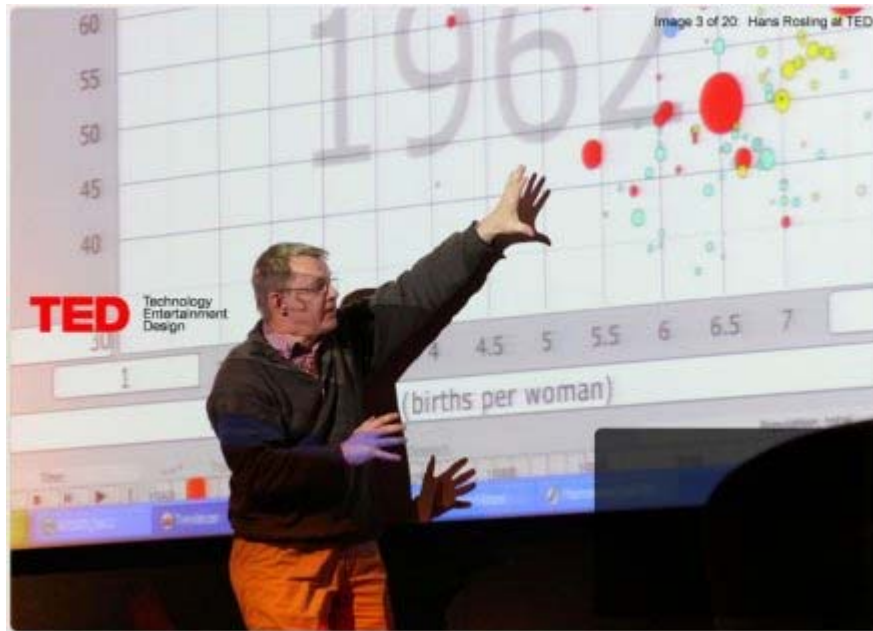
- President Obama's Open Government Initiative

www.data.gov

http://sunlightlabs.com

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# Software Application - Background



"Bring statistics to the People"

www.gapminder.org

# Software Application - Background



Tim Berners-Lee

TED2010

"Open linked data"

# Requirement analysis

## Stakeholders' survey

A survey (online questionnaire) has been carried upon local stakeholders by PP-UROPS: approx. 700 people involved by various stages in poverty and social exclusion have been asked about their opinion on the construction of an Observation System to monitor poverty, vulnerability and social exclusion.

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Small Area Methods for Poverty
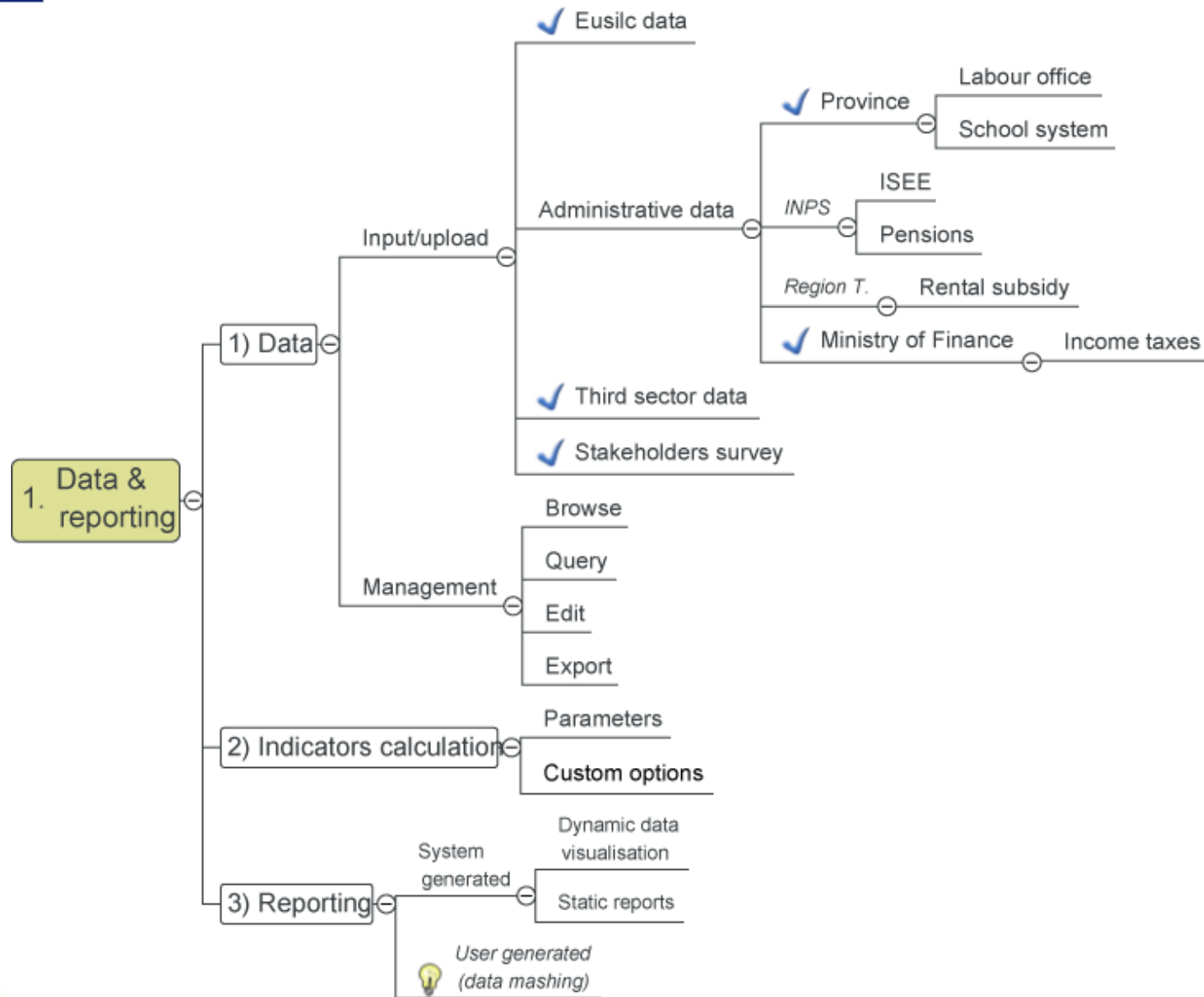and Living Condition Estimates

# Requirement analysis

## Stakeholders' involvement

- Hints on indicators' usefulness

- Suggestions over the best tools for our portal app

- Beta testing of the application

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1. Data & reporting

1) Data
- Input/upload
  - ✓ Eusilc data
  - Administrative data
    - ✓ Province
      - Labour office
      - School system
    - INPS
      - ISEE
      - Pensions
    - Region T.
      - Rental subsidy
    - ✓ Ministry of Finance
      - Income taxes
  - ✓ Third sector data
  - ✓ Stakeholders survey
- Management
  - Browse
  - Query
  - Edit
  - Export

2) Indicators calculation
- Parameters
- Custom options

3) Reporting
- System generated
  - Dynamic data visualisation
  - Static reports
- User generated (data mashing)

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SEVENTH FRAMEWORK PROGRAMME

# Data Management and Reporting

## R engine in action

With a simple web interface administrative users can:

- load raw statistical data (Eusilc, administrative data and others)

- apply R engine calculations by selecting input parameters.

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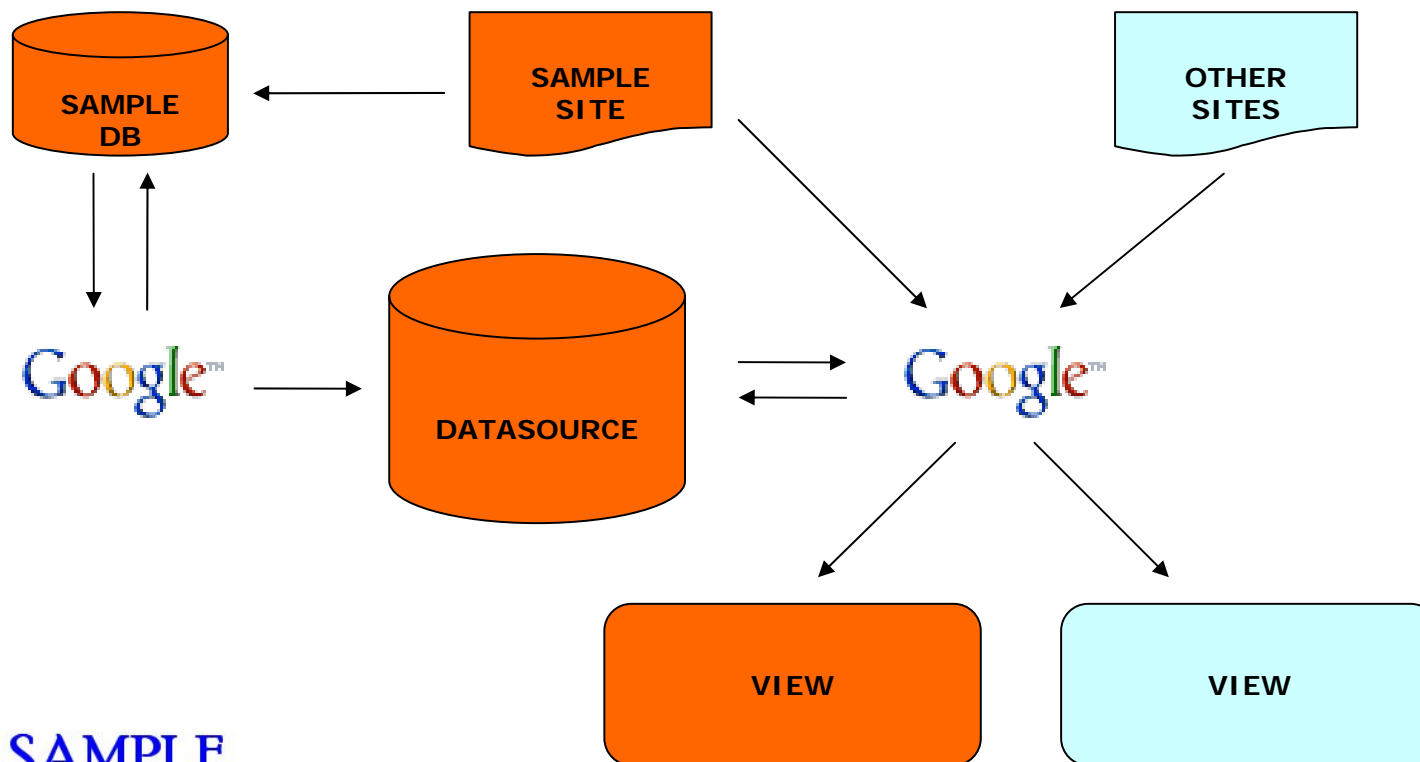# Data Management and Reporting

## Creating a public data source

- The portal implements a data source following google's Wire Protocol standards
- The recordset served by this data source is extracted at runtime from Sample Application's database

# Data Management and Reporting

# Communicating with Google APIs

# Data Management and Reporting

## Using Sample data source

- Google Visualization APIs allow embedding interactive charts, graphs, or other graphics on any web page

- Any website/application can send a request to our portal, feeding data for its own visualization or mashup

- Data sourced by can be manipulated in creative ways by worldwide users

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# Social Networking Tools
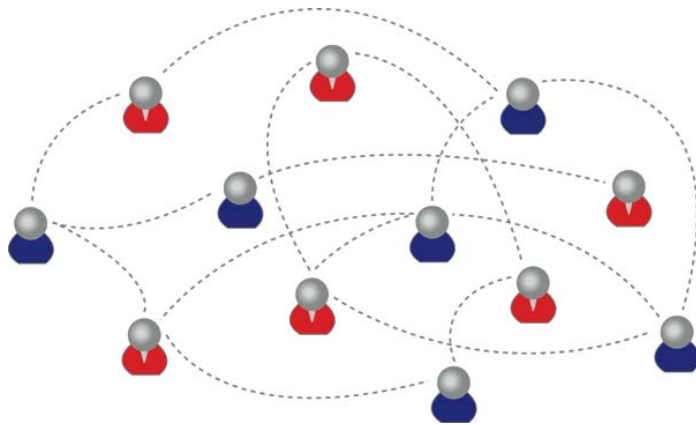
- The application is built as a social network
- People will participate in building the portal and creating information themselves

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# Social Networking Tools



We choose Elgg (www.elgg.org) as the application framework

# Social Networking Tools

## Inside the application people can:

- create their own interest groups and blogs
- communicate with microblogging tools (like Twitter)
- share documentation with groupmates
- upload publicly available documentation
- discuss and comment (almost) every piece of content (news, topics, graphics and so on..)

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# News and Documentation

## Freely available resources

- Statistics and indicators
- Official programming acts and regulations
- Useful links and resources
- Registered users "open" discussions

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# Branding the application

Logo and name contest

# contro l'esclusione sociale

## conosci, partecipa, agisci

**Rete locale per l'inclusione sociale**

## INDICATORI SULLA POVERTÀ

| | |
|---|---|
| Vero | Nauts |
| Harum | Video 3 |
| Expedia | Adipisci |
| Omnis | Numquam |
| Voluptatum | Vel Illium |

CERCA

## ISCRIVITI AI FEEDS

Aggiornamenti del sito

Aggiornamenti dalla community

## SOCIAL NETWORKS

## Grafico più commentato

postato da luca | 3 marzo 2010



Lin

600

500

400

300

200

Expenses

400    600    800    1.000    1.200

Colore

Location ▼

East
West

Dimensioni

Stessa dimensione ▼

Seleziona

Apples
Bananas
Oranges
Tracce

Sales ▼    Lin ▼

01/01/88

15 commenti

## Notizia in evidenza

14 marzo 2010