Future European activities and funding perspectives for SMEs

European Data Forum 7 June 2012, Copenhagen

stefano.bertolo@ec.europa.eu

General guidance

Work Programme 2013 for FP under preparation

Will be officially published in July 2012

Cannot discuss the actual text/budget until official

Will restrict discussion to data intensive SMEs

Content analytics

Information Extraction from

- **Speech**
- **Audio**
- **Video**

Exploiting social, collective intelligence

Semantic interpretation of

- **Sentiment**
- **Events (space/time)**
- **Across media, languages**

Spoken, multimodal interactions

Handle conversational speech

Recognize/generate social cues

Desktop, mobile, games

Using web or enterprise repositories to build translation resources

Plans for NLP future

Roadmap work (SA) for platform to host:

- **multi language datasets**

- **processing tools**

- **Basic services**

Data analytics

Novel algorithms for high volume real time analytics

Support for high growth novel data-types (e.g. genomics, 3D, IoT data streams)

Non traditional DBMS (~ no/newSQL)

Networking and hardware optimizations for Big Data

SA to develop roadmap:

- **Assuming hardware will grow on schedule X**

    GPU, FPGA, memory, I/O, energy efficiency, inexact chips, …

- **what should Big Data practitioners do to take full advantage of X?**

    Data parallelism, programming environments, etc…

Data externalities

SA to develop roadmap:

- **positive externalities**

  Data exhaust, data markets

- **negative externalities**

  Re-identification, privacy

Problem / Opportunity

Large volumes of open data made available by

- **Scientists (e.g. web crawls)**
- **Volunteers (e.g. OpenStreetMap)**
- **Administrations (local, national, international)**

Examples of open data reuse don't seem to have kept pace with this growth

What is the bottleneck?

Create environment for data apps

Remove all obstacles for SMEs
- **Obtain the open data they need**
- **Clean, link data**
- **Connect them with funding, markets**

Allow SMEs to experiment in very short cycles

Use best technology for very concrete apps

Create environment for data apps

Remove all obstacles for SMEs
- **Obtain the open data they need**
- **Clean, link data**
- **Connect them with funding, markets**

Allow SMEs to experiment in very short cycles

Use best technology for very concrete apps

Software components for data apps

Make it easier to publish data

Make it easier to link data

Make apps data aware

Support multiple platforms (desktop, tablets, mobile, …)

Language technologies apps

From brilliant technical concept to industrial product

Performance, robustness, coverage

Integration, experimentation, usability

Exploitation paths

ICT Proposers' Day 2012
26-27 September, Warsaw
Networking for European ICT R&D

➢ **Aim of the event:**

to prepare for the Calls for proposals of the new ICT WP2013 (1.5 billion € of funding)
  - by networking and partnerships building
  - by first-hand information from EC officials

➢ **Structure:**

  - thematic sessions with presentations of proposal ideas
  - information stands & bilateral meetings

➢ **Registration:**

free of charge, open from the end of June 2012

http://ec.europa.eu/ictproposersday

Thank you

Questions?