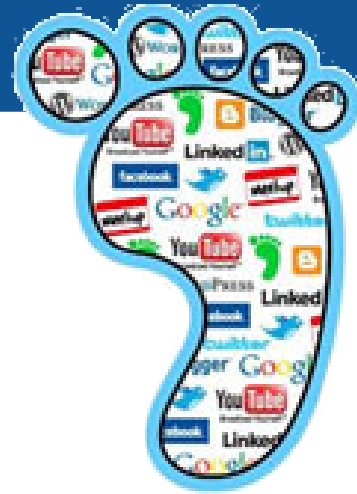




Eurostat's Big Data Activities

Big Data and the
International
statistical
community,
Beijing, 28 Oct 2014

Albrecht Wirthmann
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Big Data projects at Eurostat

- **Study on using Internet as data source for Information Society Statistics**
 - Analysis of websites of enterprises
 - Statistics on use of Internet by individuals via specific software
 - Accreditation procedure
 - Analysis of other potential sources
- **Use of Mobile Phone Data for Tourism Statistics**
 - Addressing access, methodology, potential
- **Some more to come**

ESS: Scheveningen Memorandum on Big Data

- Examine the **potential of Big Data sources** for official statistics
- High level formal commitment to jointly address challenges and opportunities of Big Data within the European Statistical System
- Mandate for actions related to Big Data (academies, private sector)
- Developments in **Methodology, quality** assessment and **IT**
- **Adopt action plan and roadmap for the European Statistical System**

Action Plan 1.0



- Principles
 - **Stepwise development with regular review**
 - **Focus on strengths of ESS**
Partnerships, Skills, Legislation, Harmonisation in EU context
 - **Build on national and international experiences**
- Long term Goal:
 - **Full integration of big data sources into statistical information infrastructure**

Action Plan 1.0

- Definition of Goals
 - **Short – medium – long term**
- Horizontal Topics (top down)
 - **Actions to bridge gap between “to be” and “as is”**
- Pilots (bottom up)
 - **Data driven approach**
 - **Hands-on experience**





European
Commission

TOPICS

Policy

Quality

Skills

**Experience
sharing**

Legislation

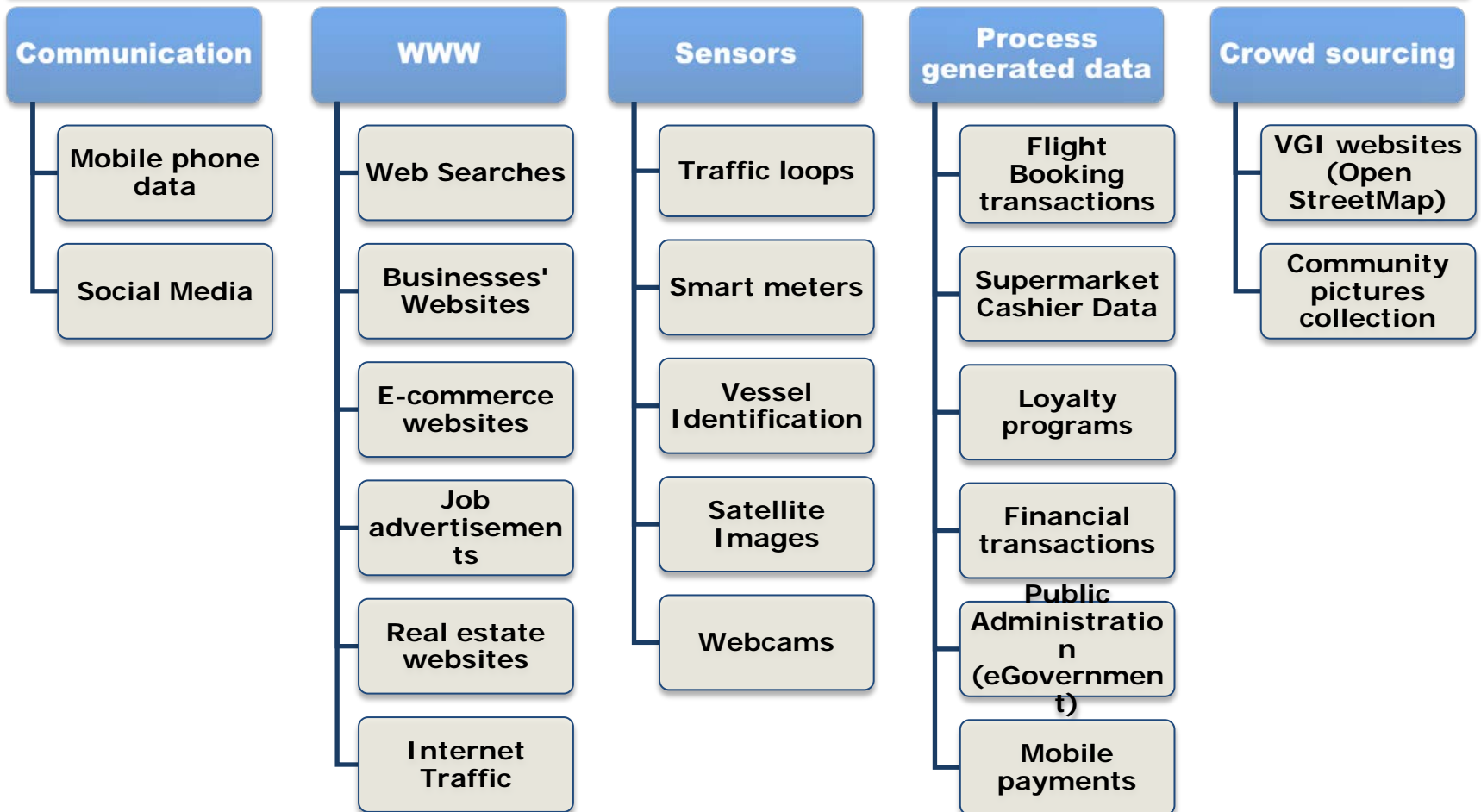
**IT
Infrastructures**

Methods

**Ethics /
Communication**

Pilots

Sources of Big Data for Pilots



Wider Statistical Community

- **Participation in GWG Big Data**
- **Harmonisation**
- **Exchange of Experience**
- **Definition of guidelines and principles**

Big Data Strategy at the EC

- **Big Data Strategy of Official Statistics integral part of EU Big Data Strategy**
 - Revisiting user needs
 - Monitoring of EU data market
 - Communication "Towards a thriving data driven economy"
 - Research in Official Statistics
 - Data Driven Policy Making
 - Policy
 - Statistics
 - IT
 - Subject matter