

This project is co-funded by the Seventh Framework Programme for Research and Technological Development of the European Union

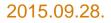


Exploring government contracting data to hold governments accountable in the Big Data Era

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Department of Sociology

The challenge of public procurement

9.3 trillion USD per year*

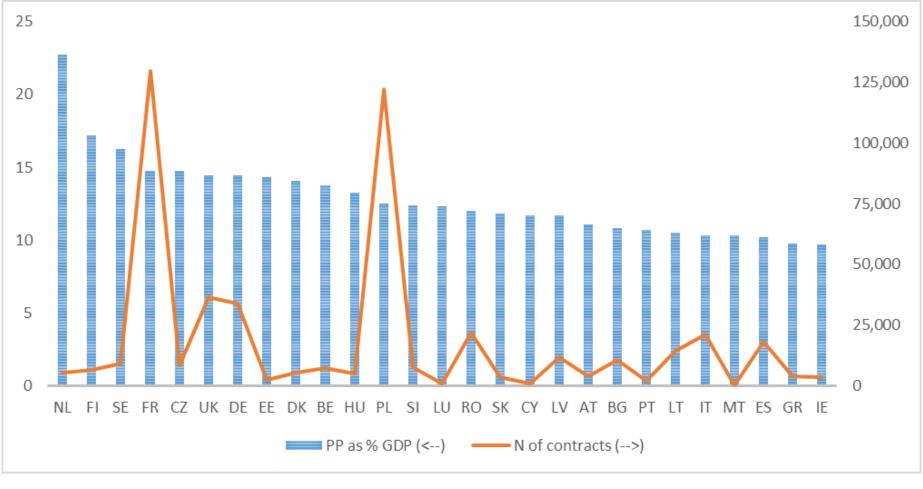
20-25% lost to corruption**

Should we be worried?

* http://www.open-contracting.org/data-standard-announcement
** OECD (2013), Implementing the OECD Principles for Integrity in Public Procurement. Progress since 2008. OECD, Paris



Why we need big data in PP?



2012, EU, TED

State of data

- Patchwork of data sources
 - Formats: xml,html,pdf, etc
 - Content
 - Quality
 - Linking
- Administrative data provision is not ready for Big Data
 - Public initiatives: OCDS
 - Civil society/reserach community: DIGIWHIST



DIGIWHIST

The Digital Whistleblower. Fiscal Transparency, Risk Assessment and Impact of Good Governance Policies Assessed

Goals

- 1. Advancing anticorruption, transparency, and spending efficiency in public procurement
- 2. Unlock research potential
- 3. Enabling losers of corruption to mobilize
- 4. Helping audit bodies fighting corruption, fraud, and collusion
- 34 European countries+EC



DIGIWHIST: Data

Legislation: transparency & procurement



Actors: Companies, public bodies, individuals

2015.09.28



DIGIWHIST: Indicator building

built on thorough understanding of context

• ,open-ended'

actionable+real-time



DIGIWHIST: Measuring government quality

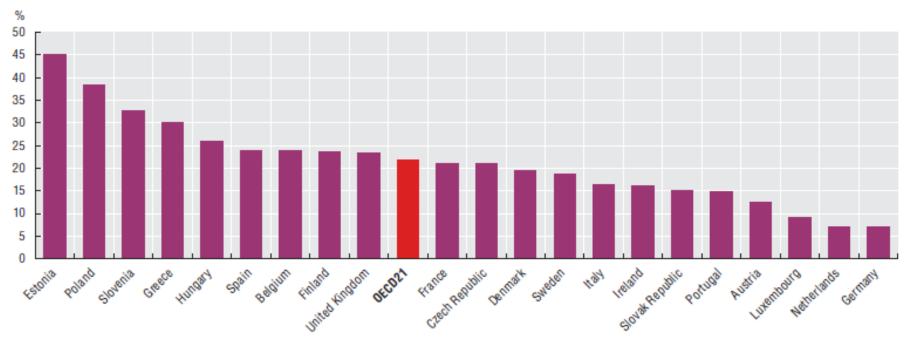
• Transparency

- Share of spending advertised



Advertised vs total PP spending

MOST of the data is missing



40.3 Public procurement tenders advertised in the OJEU as a percentage of total national procurement market (2008)

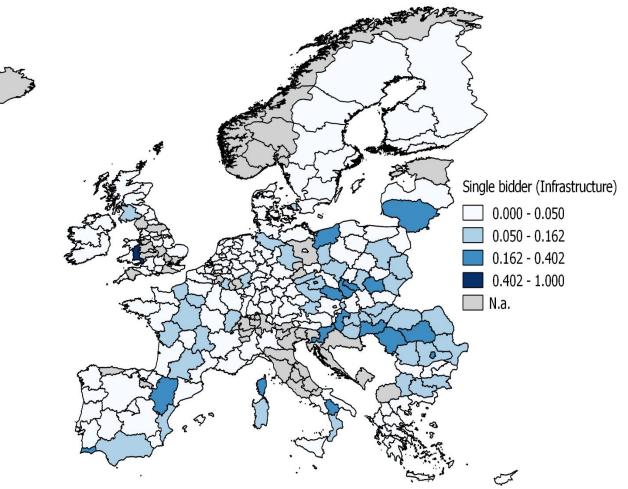
DIGIWHIST: Measuring government quality

- Transparency
 - Share of spending tendered
- Corruption
 - Tendering red flags: single bidding



Single bidding

NUTS regions, large infrastructure only



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DIGIWHIST: Measuring government quality

- Transparency
 - Share of spending tendered
- Corruption
 - Tendering red flags: single bidding, exceptions
- Administrative error
 - Missing data



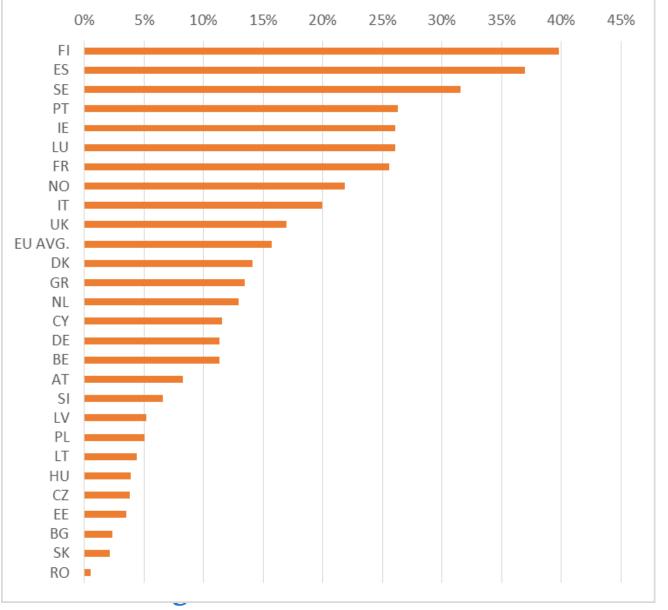
Average admin error

TED:2009-13

13 mandatory items:

- Organisation name, address
- Contract values
- Subcontract

Dates



DIGIWHIST: Utilization

- Data download
- Web portals, mobile apps
- Whistleblower reporting: Big Data+user info
- Risk assessment software for public servants



3 brief examples

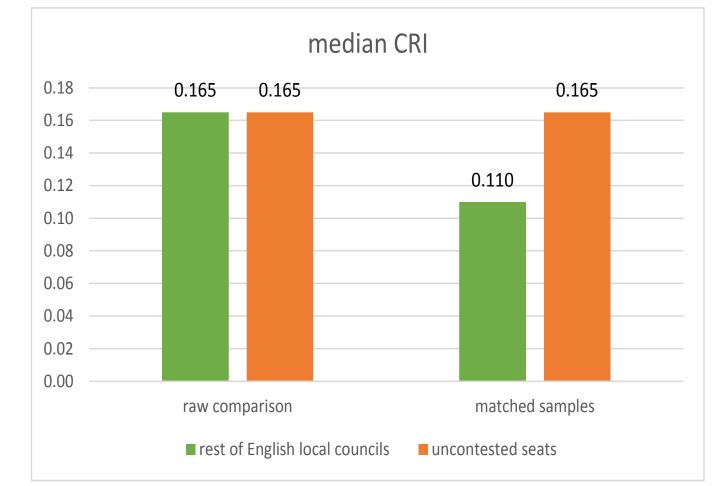
1. Electoral accountability in the UK

- 2. Mafia infiltration
- 3. Court effectiveness



Electoral accountability

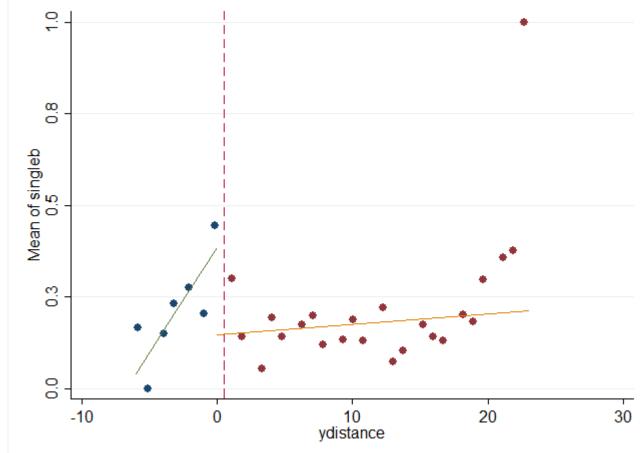
- Lack of electoral competition can lead to corruption even in well governed countries
- UK



Mafia infiltration in Italy

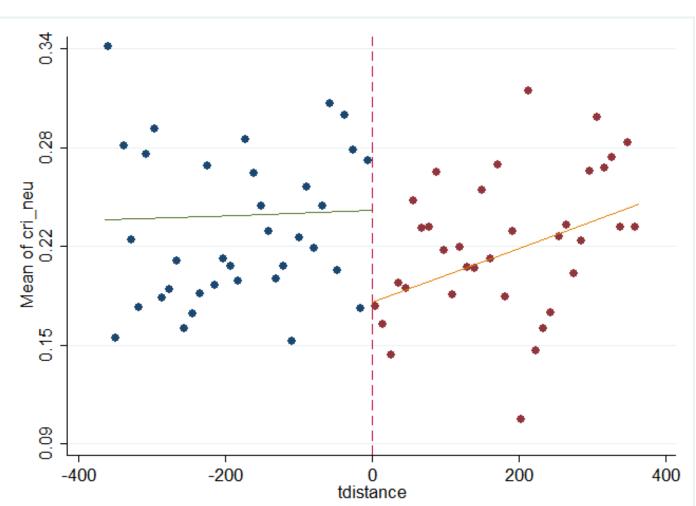
 Municipalities dissolved due to mafia infiltration

Italy



ECJ as anticorruption actor

Corruption risks in markets judged by ECJ



Areas of collaboration

- Methodologocial
 - text mining,
 - machine learning
- Sectoral/thematic research
 - Local service provision
 - Education, health, etc.
- Geographical extensions outside Europe – Brazil, US, Russia, etc.
- Lobbying governments to better manage admin data



Furter information

digiwhist.eu

