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D-r Todor Galev

Combining experts' opinions and company data to assess corruption, state capture and policy measures at national, sectoral and institutional level

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Implemented by:



Example 1: SC and corruption risks in public procurement

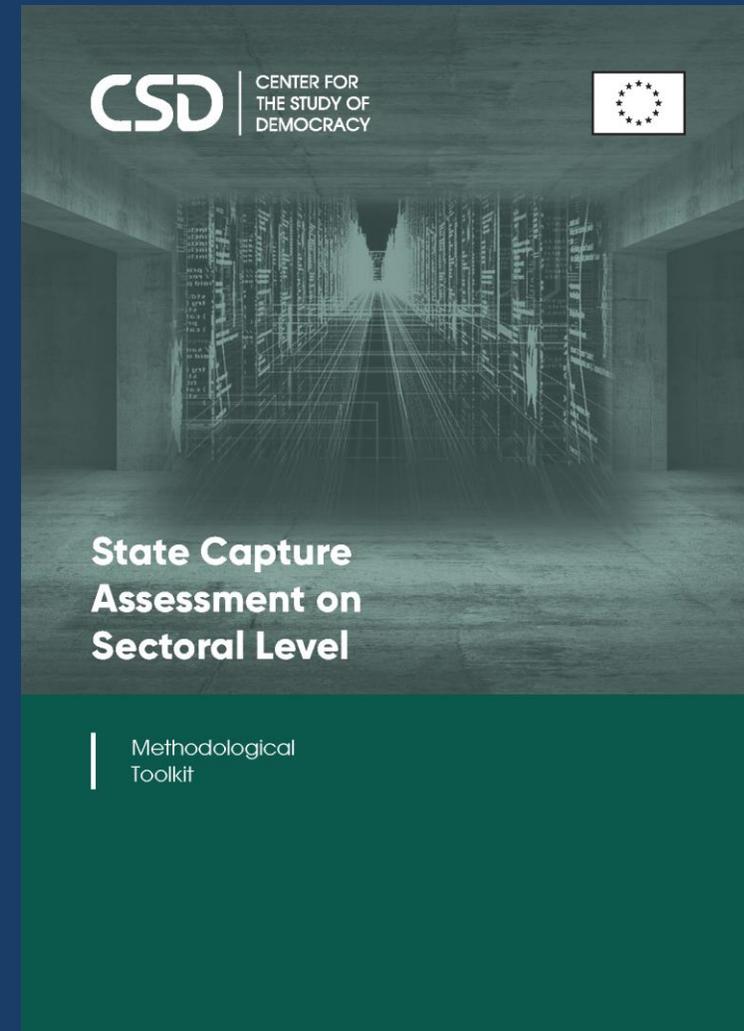
Based on SceMaps framework:

- State Capture Assessment Diagnostics on Economic Sectors Level (SCAD ESL): **mainly experts' assessments.**
- Monitoring Anticorruption Policy Implementation (MACPI): **experts' assessments.**
- Analysis of SC & corruption risks in public procurement: **linked “hard” data** on public procurement, company financial and ownership information and online media

Example 1: Methodological toolkit



<https://go.csd.bg/sctoolkit>



Ex1: SceMaps online platform



RANKING ▾
PROFILING ▾
RED FLAGGING ▾
MARKET SIZING

Flags

- ▶ Procurement exposure ratio by revenue
- ▶ Procurement exposure ratio by net income
- ▶ Procurement exposure ratio by Number of employees
- ▶ Procurement exposure ratio by Total Assets
- ▶ Incorporation Time Proximity Index
- ▶ Buyer Concentration Index
- ▶ Suspicious Activity News
- ▶ Government Terms Volatility
- ▶ Most Notable Recent Success per Tender Count
- ▶ Most Notable Recent Success per Value of Contract

Analytics of Awarded Companies

Showing 21 072 out of 45 859 Awarded Companies

Name	Reports	Country	State/Region in Country	City	ZIP/Post Code	Address	webs
Piacentini costruzioni SpA (capogruppo RTI) e società cooperativa Braccianti Riminese, cooperativa San Martino, cooperativa Muratori & Cementisti CMC (mandanti)	Project History Company Profile	Italy		Palagano	41046	via Marconi 4-B	
API Movilidad, SA	Project History Company Profile	Spain		Madrid	28050	av. Manóteras, 26	http://
Tehnosttrade SRL	Project History Company Profile	Romania		Bacău	600391	b-dul Unirii, nr. 77	
Jan De Nul N.V.	Project History Company Profile	Belgium					
Vitale One Costruzioni SRL	Project History	Italy		Teverola	81030	Via Marco Polo IV Traversa n. 27	

<https://analytics.scemaps.eu>

Need Help?

EX1: SceMaps sources

Public (open) data:

- Public procurement data (TED database)
- Corporate data (public business registries and private data providers)
- Online news-media data

Ex1: SceMaps – data challenges

Name entity recognition and matching (buyers & suppliers) of TED data:

- Missing company's ID
- Matching different names (e.g. using reference fields, i.e. postal address, web-site, contact information)

Parent-child matching of corporate data

- Merging data from different sources: missing IDs, difference in the names;
- Missing (partial information) on company's ownership (particularly outside the country borders) -> use of private data providers;
- Complex ownership networks -> transposed to parent-child relationship.

Ex1: SceMaps – data challenges (cont.)

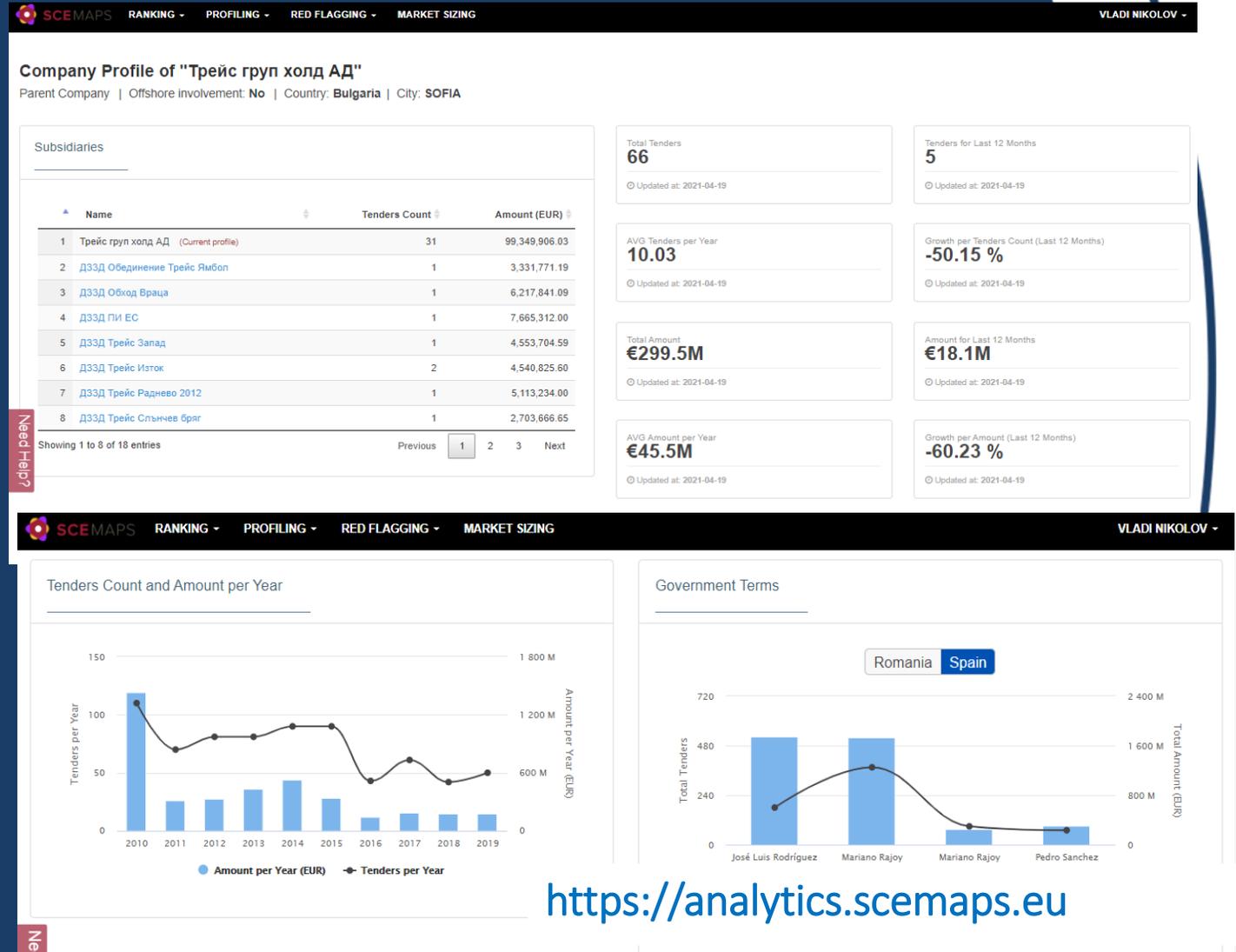
Online media content identification, collection and matching (buyers & suppliers)

- Identification of online media source (avoiding non-media/personal sites)
- Set-up keywords and “Boolean” search for “corruption AND public procurement” but not buyers & suppliers names -> use specialized media-monitoring services
- Identification and collection of relevant media articles (avoid false positives)
- Filtering full-text media articles dataset for buyers & suppliers (common words, abbreviated names, differences in names, etc.)

Ex1: SceMaps - Profiling

Supplier Profile Example

- Total and average tenders won
- Total and average awarded amount
- Subsidiaries
- Tenders count and awarded amount per industry
- Government terms volatility



Ex1: SceMaps red flags – procurement exposure ratios

SCEMAPS RANKING ▾ PROFILING ▾ RED FLAGGING ▾ MARKET SIZING TODOR GALEV ▾

Flags

- Procurement exposure ratio by revenue
- Procurement exposure ratio by net income
- Procurement exposure ratio by Number of employees
 - International Company Ranking
 - Local Company Ranking

Countries

× Bulgaria × Italy × Romania × Spain

Year From: 2011 Year To: 2019

Search

Procurement exposure ratio by Number of employees in *Bulgaria, Italy, Romania and Spain* for 2011-2019

Showing 65 Awarded Companies

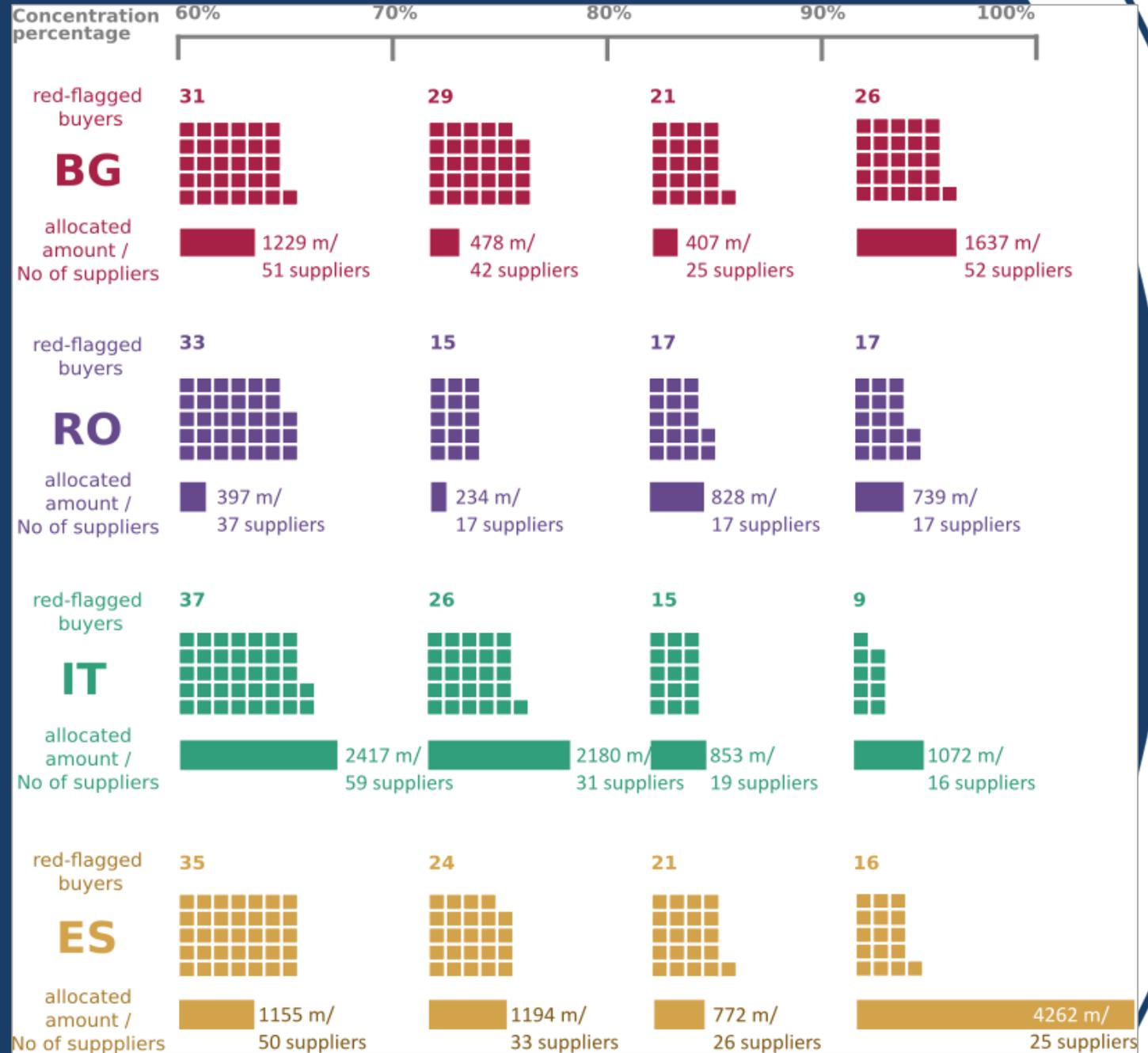
Name	Reports	Amount for 2011-2019 (EUR)	Number of Employees for 2011-2019	Amount per Employee (EUR)	Percentile	Flag Level	Country
Lifetech Consulting SRL	Project History Company Profile	14,572,367.80	13	1,120,951.37	100	🚩🚩🚩🚩🚩	Roma
Етропал Трейд ЕООД	Project History Company Profile	13,725,494.95	15	915,033.00	100	🚩🚩🚩🚩🚩	Bulga
Соломед ЕООД	Project History Company Profile	167,253,965.25	195	857,712.64	100	🚩🚩🚩🚩🚩	Bulga
Fresenius Kabi Romania SRL	Project History Company Profile	332,251,011.00	397	836,904.31	99	🚩🚩🚩🚩🚩	Roma
Medex	Project History Company Profile	304,438,676.42	396	768,784.54	99	🚩🚩🚩🚩🚩	Bulga

<https://analytics.scemaps.eu>

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Ex1: SceMaps red flags – buyer concentration index

Aggregated data



Example 2: Disclosing assets and conflict of interests

- Analyse the applicability of asset declarations as corruption prevention and risk assessment instrument.
- Uncover politically exposed companies and/or showcase their impact on the economy.
- Expose cases of “disclosure gaps”
- Possible sectoral approach

Ex2: Asset declaration – data collection challenges

Asset declarations:

- National specific -> initial and follow-up declarations (disclosing only changes)
- Partial disclosure:
 - Not all companies / relatives disclosed
 - Partial data (e.g. company ID)

Corporate data:

- Check for ownership/management by PEP or PEP's relatives in other companies than disclosed
- Check companies linked with already disclosed (e.g. subsidiaries or mother companies)
- (optional) Check owners/managers of linked companies

Challenges & benefits in combining experts' assessments and “hard” data

Challenges:

- State capture / corruption mechanisms undermine sectoral approach
- Inconsistency and data gaps of all type of data
- Data available only from private (propriate) providers
- Reliability of media data

Benefits:

- Confirmation (or not) of experts' assessments
- Using “hard” data for supporting experts' assessments
- Using experts' assessments for verifying “hard” data results



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Practical task: Elaborate indicators for assessing corruption

Hints:

- Define the research object (what you want to measure / assess)
- Define the main concepts (building blocks of your research object)
- Define the sources of data and information for each concept
- Operationalise each concept in one or more indicators

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Thank You!

Questions?

**D-r Todor Galev, Director of Research
Center for the Study of Democracy**

