

FIELD: a methodology for the analysis of local actors, incentives and information endowment in regulation of local public services

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An open window on local services, infrastructures, investments and welfare policies

weijare policies

/The **Turin School of Local Regulation (TSLR)** offers an international high-level research, education and capacity-building experience. The School adopts a policy-oriented approach, with the aim of spreading the culture and instruments of regulation and regulatory reform at local level, connecting academic research with local policy-makers, public officials, professionals, local regulatory agencies, NGOs, consumers' associations, chambers of commerce/

ACTIVITIES

| International Summer School on regulation of local public services (turinschool.eu/iss)

| Executive Education Programme (turinschool.eu/eep)

| On-demand training and capacity building

| Local Regulation Network of Experts (turinschool.eu/lorenet)

| International seminars and round tables

| Policy-oriented research

papers and policy briefs

| Prizes and awards for researchers and practitioners

| Web-platform for surveys, data collection, blogging

project finance concessions common goods industrial costs game theory environmental protection public interest antitrust PPP competition citizens' rights efficiency infrastructures tenders utilities local facilities profits public assets investments social finance privatization consumer protection public services foreign direct investments theory of incentives finance and accountancy competitiveness service standards natural monopolies local governance regulatory impact analysis information asymmetry welfare compliance cost assessment

TABLE OF CONTENTS → some power questions...

- □ Turin School of Local Regulation?
 - → what is the focus on the «local» level for?
- ☐ FIELD: framework of incentives to empower local decisions makers
- → From a survey tool to a methodology analysis to build either <u>better</u> <u>policies (through effective institutional mechs and individual incentives scheme) or to layout the playing field to take the best decisions on investments for infrastructure and local general interest services provision</u>
- ☐ FIELD: preliminary results (3 cities, 2 sectors: WWS and MSW) and closing remarks
 - → What comes out? What's the catch?

THE CONTEXT OF THE RESEARCH AND TWO SHORTCOMINGS IDENTIFIED

Focus on the institutional and market peculiarities at local level

The roots of municipal regulation

Institutions & Organizations

Market dimensions

Specific weakness of local regulation

Clientelism, politicians and public goods

Role of Institutions

Formal and informal rules

Legal empowerment and contract enforcement

Trust

Accountability

Redistribution

Attention to specific features of service regulation in developing economies





Framework of Incentives to Empower Local Decision-makers

A multidisciplinary methodology for the analysis of local actors, incentives and information endowment that surround and lie behind the success or the failure of local services, infrastructures and projects, defining the playing field where their implementation takes place.

THE MATRIX - FIELDS

Categories of players

- Politicians
- Public officials
- Market actors (non-financial)
- Market actors (financial local or national/international)
- Lobbies
- Consumer organizations
- Administrative tribunals (administrative, procedural, budget conflicts)
- Consumers / final users

Players' incentives

- Efficiency in provision of the service (I)
- Profit (I)
- Market share (I)
- Efficacy and quality (I)
- Equity / redistribution / accessibility (I)
- Electoral consensus (S)
- Consensus (S)
- Political control (S)
- Religious control (S)
- Ethnic control (S)
- Bureaucracy / maintaining own budget (S)
- Financial public budget constraints (S)

Players' information endowment

Information on:

- Industrial costs of the service
- Investment costs
- Physical assets

Appointment

- Election
- Lobby pressure
- Strong political influence
- Corruption
- Command & Control
- Regulation: price, quantity, quality, accessibility, distributional
- Sentences / rule of law / judicial enforcement
- Data transfer
- Assignment
- Market power

Types of relations amongst players

THE MATRIX – THE FORM USED IN THE SURVEY

C11 • 6 6	L M N O P G R S T U V V X Y Z AA ABIAC AD AE AF AG AH ALAJAK ALIAM AA
This show the state of the stat	RELATIONS WITH THE OTHER PLAYERS: [1006.17] Impos of relations
Description of the state of the act of the main players involved in the local regulatory agenda, their relationship, the information flows, the incentive system that drives their oholoes PLAYER: [bots 1]	Title colored is set considerably filled—be)
PLAYER'S INCENTIVES: [set 5] select from the menus 1 now for each 23 sole from occording their selevance [free text]	NE CRIMATION TRANSFER: [nose 8] (this cabes is automatically (Red-in) P1 Vote relity P2 0 P3 0 P4 0 P5 0
	P6 0
53 Demand side [trea taxt] 55 56 57 58 60 61 62 62 14	PM 0 PE 0 [free text] [free text]

One sheet for each Player (P1, P2, P3 ...)

THE OPEN QUESTIONS – THE FORM USED IN THE SURVEY

OPEN QUESTIONS FOLLOWING THE FILLING-IN OF THE PLAYERS' SHEETS

1. Is the status quo described in the Excel matrix a sustainable equilibrium?

Please answer Yes or No. Optional: please provide a short explanation

2. What forces are at work to change it and

3. Who is in charge for possible policy desi

MAIN OBSTACLES TO IMPLEMENTATION

This section is intended to describe the obstacles that the system of relationships described in the Excel matrix poses to the implementation of the regulatory agenda / the project / the initiative / the policy in the context analyzed.

Please select three of the obstacles listed below, rank them according to their relevance and provide a few lines where you identify / suggest mechanisms that could be activated in order to remove the obstacle for the implementation of the regulatory agenda.

List of obstacles:

- · challenges related to the rule of law
- corruption
- conflict of interests
- degree of regulatory independence
- lack of human capital and expertise
- political conflict
- ethnic conflict
- lack of political freedom
- poor quality and low accessibility of accountancy and statistical data
- other (to be specified)







SOME PRELIMINARY RESULTS IN THE WATER AND SANITATION SECTOR

= information endowment on: SOFIA • industrial costs of the service; investment costs; Players, incentives and · physical assets information endowment Private-public operator: Sofiyska Voda Profit (I) Market share (I) Efficiency (I) Int'l Financial Institutions Profit (I) Central Foreign Government investors Political control (S) Profit (I) Electoral consensus (S) **National Regulatory** Market share (I) Financial public budget Efficiency (I) Agency constraints (S) Equity / redistr. / accessibility (I) Political control (S) Bureaucracy (S) Consumers Efficiency (I) **Political parties Local Government** Efficacy and quality (I) Political control (S) Electoral consensus (S) Equity / redistr. / Electoral consensus (S) Financial public budget constr. (S) accessibility (I) Efficacy and quality (I) Consumer organizations Mainly «shadow» Efficiency (I) incentives! Efficacy and quality (I) Equity / redistr. / accessibility (I) 11/19

CAIRO

Players, incentives and information endowment



Publicly owned operator: Holding Company for WWS

> Bureaucracy (S) Efficiency (I)

Political control (S)

2010: Egypt 7th

recipient in aid to water &sanitation with 228.84 mil. USD.



Central Government

Political control (S) Electoral consensus (S) Financial public budget constraints (S)



Profit (I) Market share (I)

Int'l Financial Institutions Efficacy and quality (I) Equity / redistr. / accessibility (I) Efficiency (I)



National Regulatory Agency

Efficacy and quality (I)
Equity / redistr. / accessibility (I)
Financial public budget constraints (S)



Consumers

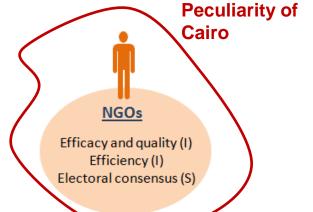
Efficacy and quality (I) Equity / redistr. / accessibility (I)



<u>Local</u> Government

Efficiency (I)

Equity / redistr. / accessibility (I) Financial public budget constr. (S)



BELGRADE

Players, incentives and information endowment



Market share (I)



Institutions

Consensus (S) Efficacy and quality (I) Efficiency (I)



Consumers

Equity / redistr. / accessibility (I) Efficacy and quality (I)



Local Government

Peculiarity of Belgrade

Water Council

Consensus (S) Efficacy and quality (I) Efficiency (I)

advising

Efficacy and quality (I) Efficiency (I)



Equity / redistr. / accessibility (I)



Equity / redistr. / accessibility (I) Efficacy and quality (I) Consensus (S)



Central Government

Equity / redistr. / accessibility (I) Efficacy and quality (I) Efficiency (I)



policy

Consensus (S) Equity / redistr. / accessibility (I) Efficacy and quality (I)



Foreign investors

In prospect, but still

no operating venture

Private operators / PPP Profit (I) Market share (I) Efficiency (I)

> Market share (I) Profit (I) Efficiency (I)

Players	<u> </u>	Coffe	Coine	Dalamada
	- D-1::	Sofia	Cairo • Political control	Belgrade • Equity / redistr. / access.
Central government	7	cal control oral consensus	Electoral consensus	Eduity / redistr. / access. Efficacy and quality
		budget constraints	Public budget constraints	Efficiency
Water Council (consultat		o budget community	1 abile badget community	Consensus
,				Efficacy and quality
established by the Minist	ry)			Efficiency
National Conference on	Water			Consensus
				 Equity / redistr./ access.
·				Efficacy and quality
National Regulatory Aut		y/redistr./access.	Efficacy and quality	
		cal control	• Equity / redistr. / access.	
		ucracy	Public budget constraints Proc Pro	- F00 1 19
Local government / mun		oral consensus c budget constraints	Efficiency Equity / redistr./ access.	Efficacy and quality Efficiency
		cy and quality	Public budget constraints	Equity / redistr. / access.
	Lines	icy and quanty	- Fublic budget constraints	Lightly / Teursa. / access.
Political Parties		cal control		
_		oral consensus		
Publicly-owned operator	'S		Bureaucracy	Efficiency
			• Efficiency	Profit Market share
-			Political control Profit	Market share Profit
Private operators			Profit Market share	Profit Market share
			- Market Share	• Efficiency
Mixed publicly-private	ly owned • Profit		_	- Efficiency
• • •	IV OWINGE TIPE	et share		
operators	• Effici	ency		
International / foreign or	erators • Profit			Market share
,	Mark	et share		• Profit
	• Effici	ency		• Efficiency
NGOs providing tech	nical and		Efficacy and quality	
financial support			• Efficiency	
	institutons • Profit		Electoral consensus Reconsensus	• 6
International financial			Efficacy and quality Equity / redistr./ access	Consensus Efficacy and quality
and intemational donors			Equity / redist. / access. Efficiency	Efficiency Efficiency
Consumer Organizations	• Effici	encv	Directory	Equity / redistr./ access.
Consumer Organizations		ericy acy and quality		Efficacy and quality
J		y/redistr./access.		Consensus
Consumers	• Effici		Efficacy and quality	Equity / redistr. / access.
		cy and quality	Equity / redistr. / access.	Efficacy and quality
L	• Equit	y/redistr./access.		

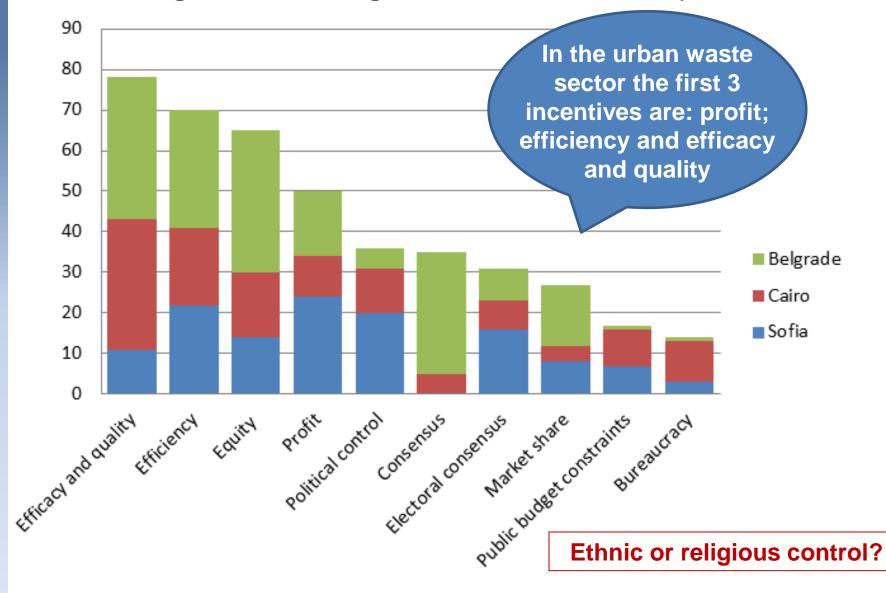
PUBLIC AUTHORITIES

MARKET ACTORS

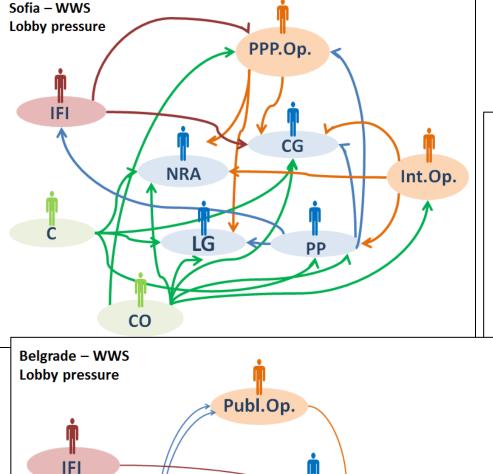
CONSUM IFIS

WWS Sector - Players' Incentives

Weighted Total summing the results in the 3 Cities analyzed



1st position: 8 | 2nd position: 4 | 3rd position: 3 | 4th position: 2 | 5th position: 1



W.Counc.

LG

CG

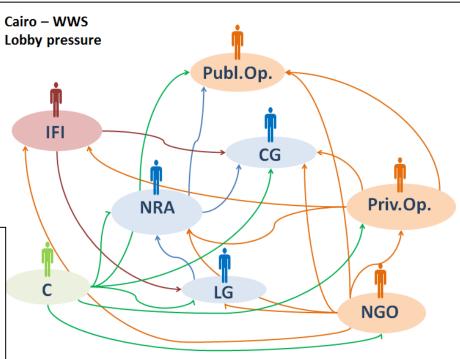
NCoW

Priv/

PPP.Op

Int.Op.

Graphic representation of some relationships amongst players: Lobby pressure



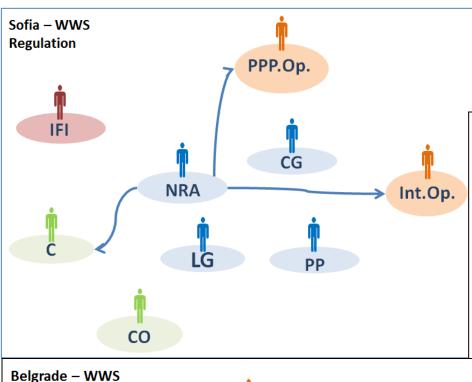
Public bodies: Central Government (CG), Local Government (LG), National Regulatory Agency (NRA), Water Council (W.Counci.), National Conference on Water (NCoW) and Political Parties (PP)

Market operators: Public (Publ.Op.), Private (Priv.Op.), Public-private (PPP.Op), International / Foreign (Int.Op.)

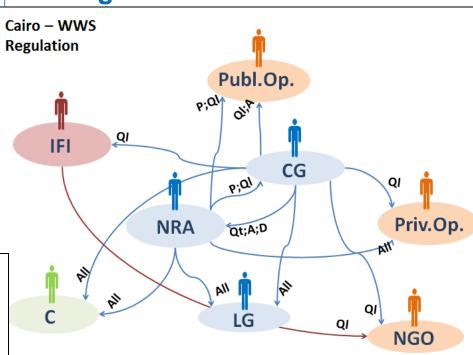
International financial institutions and donors (IFI)

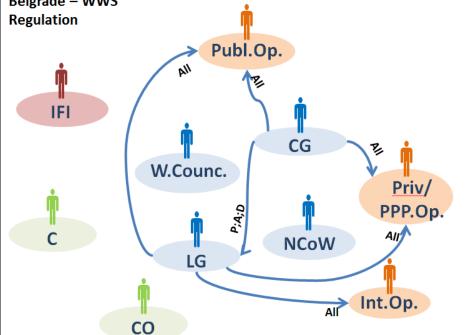
Consumers (C) and their organizations (CO)

16/19



Graphic representation of some relationships amongst players: Regulation





Regulation categories:

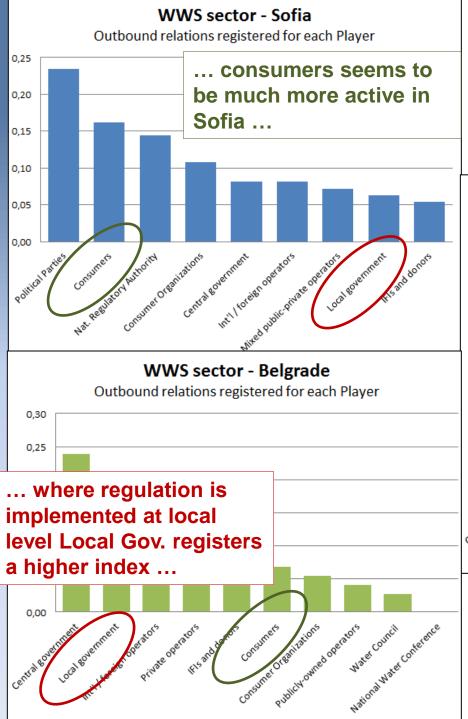
P = price

QI = quality

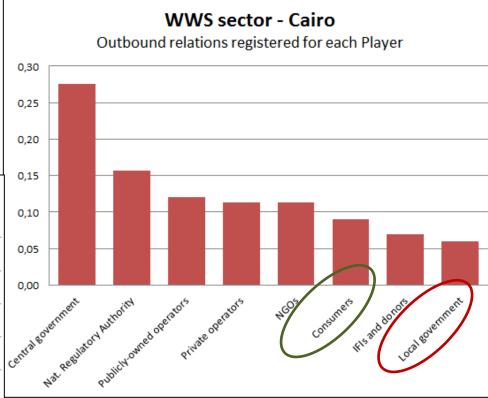
A = accessibility

D = distributional aspects

All = all types



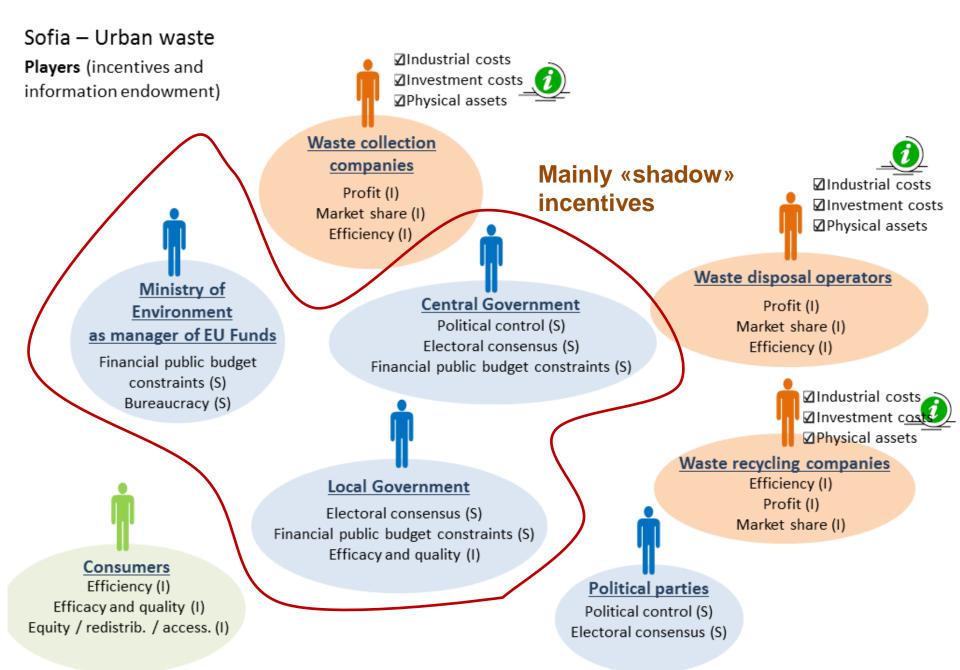
Outbound relations registered for each player in Sofia (Outbound Relations Ratio Index)

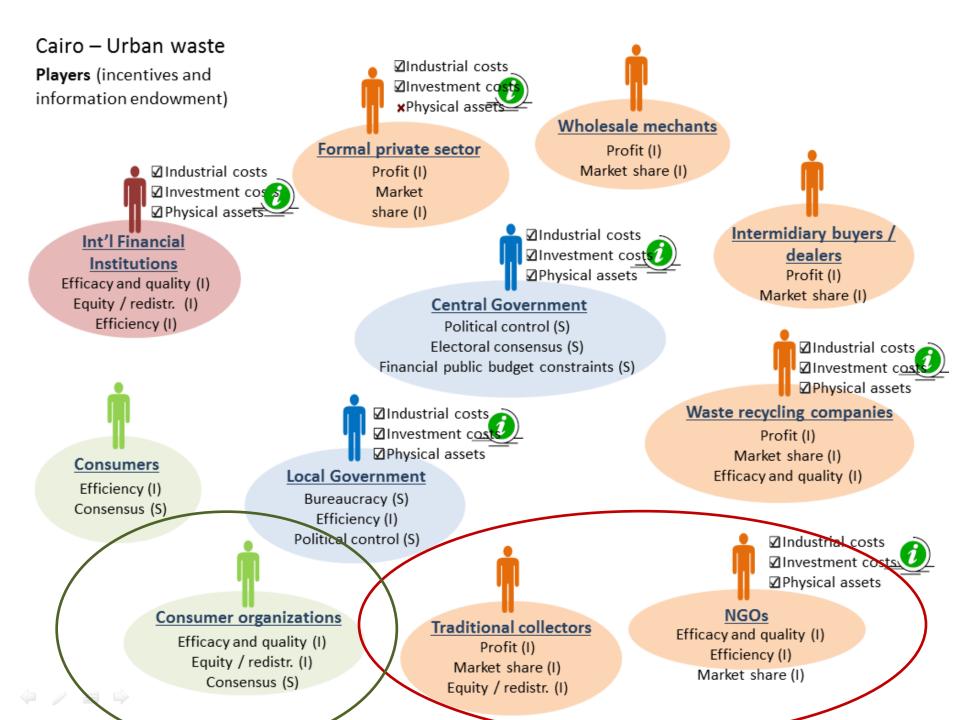


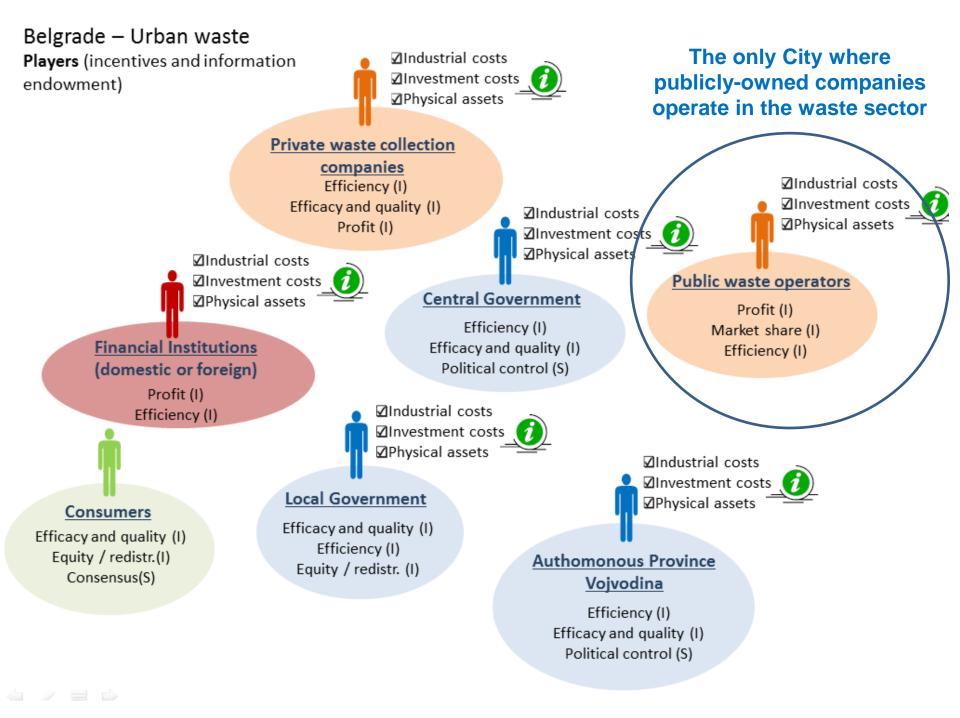


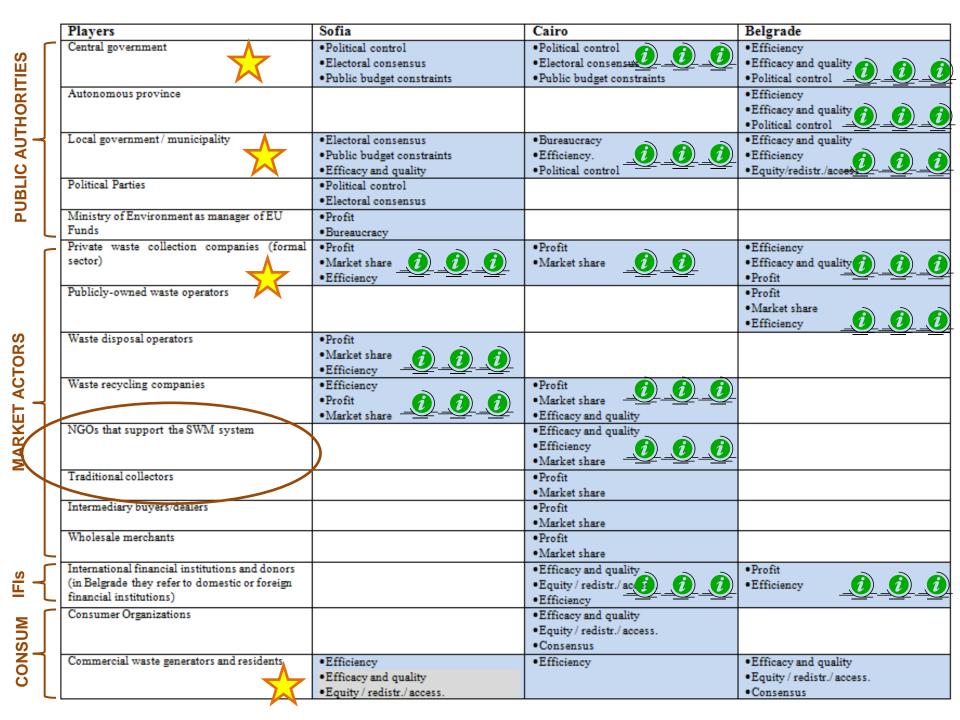


SOME PRELIMINARY RESULTS IN THE HOUSEHOLD URBAN WASTE SECTOR



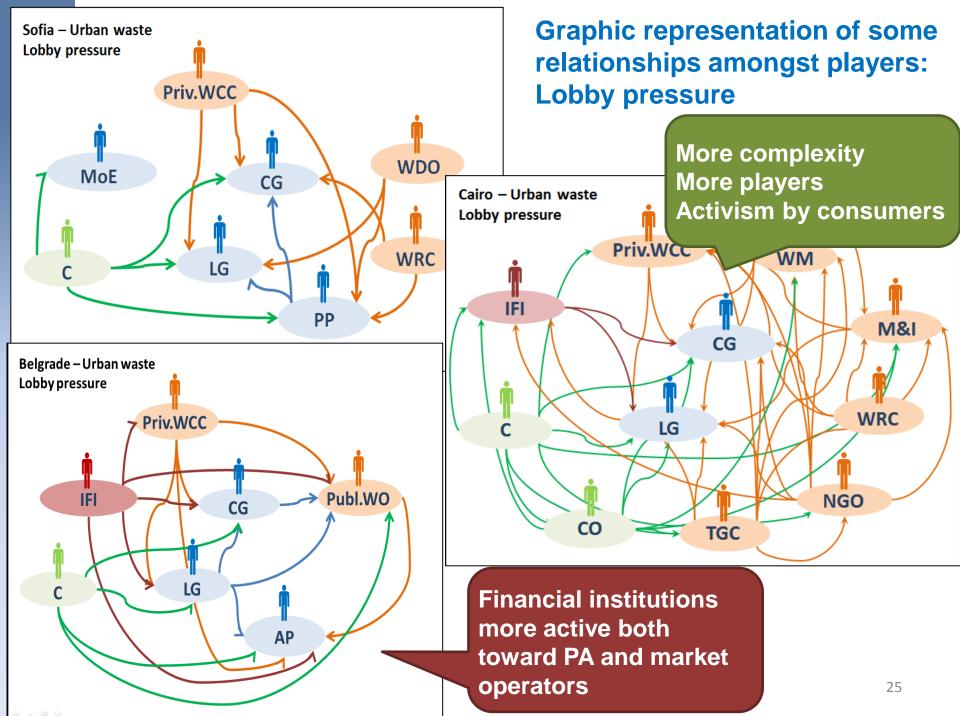






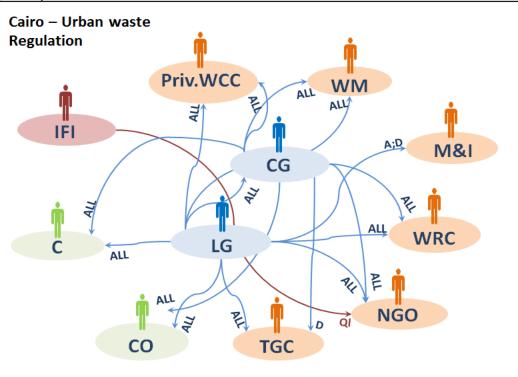
Urban waste - Players' Incentives Weighted Total summing the results in the 3 Countries analyzed 100 90 In the water sector the 80 first 3 incentives are: efficacy and quality; 70 efficiency; equity 60 50 40 Belgrade 30 Cairo 20 Sofia consensus Bureaucracy Consensus 10 0 the thicacy and quality warket share the toral consensus **Ethnic or religious control?**

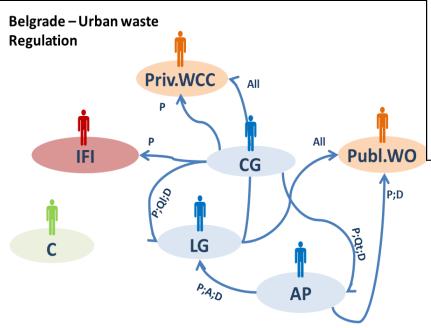
1st position: 8 | 2nd position: 4 | 3rd position: 3 | 4th position: 2 | 5th position: 1

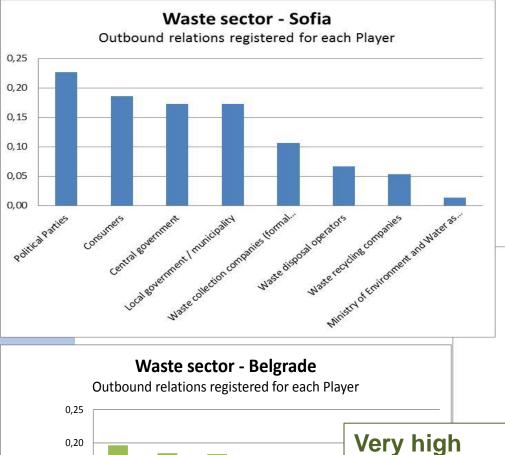


Sofia – Urban waste Regulation Priv.WCC MoE C WDO WRC

Graphic representation of some relationships amongst players: Regulation







Local government. I municipality

Rutenomale Province

Inbound RR

index

Rublich Propried waste operators

0,15

0,10

0,05

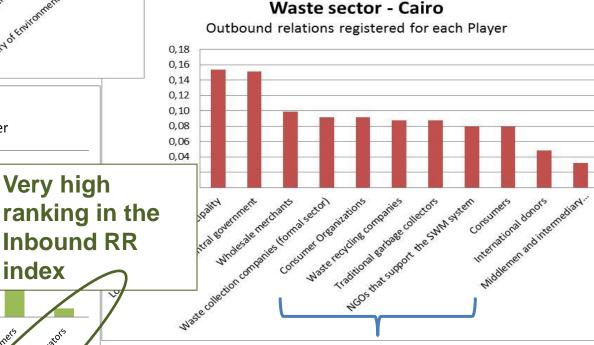
0,00

International financial institutions and.

Rivate Maste collection companies.

Central Bouerintent

Outbound relations registered for each player in Sofia (Outbound Relations Ratio Index)



All market operators have a similar index, including the informal sector 27

MAIN OBSTACLES TO THE IMPLEMENTATION OF THE REGULATORY AGENDA: WWS AND URBAN WASTE SECTORS

Country	Sector	Obstacle 1	Obstacle 2	Obstacle 3
Bulgaria	Water	Degree of regulatory independence	Lack of human capital and expertise	Poor quality and low accessibility of accountancy and statistical data
	Waste	Degree of regulatory independence	Poor quality and low accessibility of accountancy and statistical data	Corruption
Egypt	Water	Degree of regulatory independence	Lack of human capital and expertise	Poor quality and low accessibility of accountancy and statistical data
	Waste	Scattered or uncertain legislative framework	Degree of regulatory independence	Lack of human capital and expertise
Serbia	Water	Scattered or uncertain legislative framework	Degree of regulatory independence	Corruption
	Waste	Scattered or uncertain legislative framework	Conflicts of interest	Corruption

e.g. In Bulgaria the economic competence of the State Energy and Water Regulatory Commission is considered to be lower than needed, as the Commission is mainly formed by technical experts

- Did we pose the right questions?
- Are there other institutions that are asking the same questions in other contexts? → enlarging literature survey?
- Are questions suitable for a quantitative representation?
- How to reduce subjectivity? → pools of referees?
- Is it possible to transform the Outbound/Inbound Relations Ratio Index into something more than a purely descriptive tool?

...to be done ASAP:

Improving and fine-tuning the matrix → it needs «simplicity» (and some addition, i.e. a «commercial» relation between players)
 Enlarging geographical coverage and the scope, including osmosis among professional roles at local level
 build a large portfolio of case studies to further test it → do you want to help?



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The co-authors: Franco Becchis and Elisa Vanin. The Country experts who contributed to the survey: Atanas Geogiev (Bulgaria), Mahmoud Sarhan (Egypt), Tatjana Jovanic (Serbia). The working group of the Turin School of Local Regulation, and in particular: Andrea Sbandati, Fulvia Nada, Alice Montalto.











