

EUROPEAN COMMISSION Structural Reform Support Services MEETING OF EXPERTS

### The reform of corrective and compensatory mechanisms in Italy and the analysis of the fiscal gap as a tool to orientate local fiscal policy

SOSE S.p.A

29-30th of January 2018 Office of the Government, Room 263, Gedimino av., 11 Vilnius



DATI CHE CREANO VALORE.



## BRIEF DESCRIPTION OF SOSE SPA







Sose is owned by the Italian Ministry of Economy and Finance and Banca d'Italia. It is the methodology partner for the strategic analysis of data in Tax, Government and Corporate matters.



The Company develops statistical-economic-ICT solutions in order to promote **tax compliance**. It also works at determining the "**Standard Expenditure Needs**" in the implementation of fiscal federalism in order to guarantee a more efficient and equitable allocation of resources.

Through the know how and experience accumulated over the years, SOSE offers **ad hoc solutions** to several public and private organizations.











WE PROVIDE SOLUTIONS FOR THE ECONOMIC SYSTEM



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#### **TAX COMPLIANCE SYSTEMS**

#### SYNTHETIC INDEX OF RELIABILITY



An economic and statistical system to determine, based upon the data of the companies and their respective sectors of operation, acceptable levels of «tax reliability» in order to promote tax compliance

#### IT REPRESENTS EACH TAXPAYER'S POSITIONING RELATED TO HIS/HER TAX BEHAVIOR.

IT IS A SIMPLE AVERAGE OF ELEMENTARY INDICATORS.

The value of the synthetic index of reliability ranges **between 1 and 10** 







SOSE elaborated and implemented a system for the evaluation of Standard Expenditure Needs of Italian Local Governments, with the goal of distributing intergovernmental funds in an equitable and transparent way

## ...in a shared process with

#### Institutions



MINISTRY OF ECONOMY AND FINANCE





**IFEL REPRESENTING THE MUNICIPALITIES** 



UPI REPRESENTING THE PROVINCES



ITALIAN NATIONAL INSTITUTE OF STATISTICS



#### Support to the Italian Revenue Agency



#### QUICK SELECTION AND ANALYSIS, SIMPLE UTILIZATION OF CONTROL TOOLS, EFFICIENCY, EFFECTIVENESS

#### Analysis tools

Control indicators, efficiency parameters, risk measurement, profile selection

Standardization of the analysis process, report of support

B.I. innovative technologies



# SUPPORT TO THE FINANCE DEPARTMENT OF THE ITALIAN MINISTRY OF ECONOMY AND FINANCE

#### **MAIN PROJECTS**



Impact analysis of tax incentives on Italian companies (Presentation to COMPIE conference 2014)



The incidence of VAT on the dynamics of private consumption: evaluation of the elasticity and of the effects on tax collection



Base Erosion and Profit Shifting -BEPS



Revision of amortization rates: analysis on tax collection of possible measures

#### **BUSINESS ANALYSIS SOLUTIONS**



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SOSE provides solutions to companies and consultants in order to reach a deeper knowledge of their respective market segments





It is a tool helping to measure business performance and to get information to compete on the market.

The objective of the analysis is to improve the management of the companies and orient their strategy by acting on different business models, levers of competition and marketing channels. The Report provides a snapshot of the main economic sectors through a synthetic description of their structure and dynamics. A number of aspects are analyzed in order to assess the positioning and performance of the micro, small and medium-sized companies and of the main industries. Particular attention is also given to the various Business Models and to the competitive factors that can outline the possible evolutions of each industry.

#### WHAT SOSE DOES

#### ECONOMIC AND STATISTICAL **STUDIES**

**Risk analysis** 

- Rating models (turnover, region, economic sector, organizational model, qualitative evaluation of ratios and flows, time trend...)
- Reports on economic sectors, regions,
- Impact analysis of laws and regulatory

actions

#### **MODERNIZATION AND REFORM OF TAX ADMINISTRATIONS AND** LOCAL GOVERMENTS

Benchmarking systems to analyze and evaluate the performance of local and national Governments IT systems to facilitate the relation between tax administrations and taxpayers



Strategies and tools to promote tax compliance

Definition of models for tax fraud risk



## OVERVIEW OF THE ITALIAN SYSTEM OF LOCAL PUBLIC FINANCE



#### BACKGROUND INFORMATION ON ITALY: TIERS OF GOVERNMENT

**Regions (20 of which 5 with special statutes)**, 19% of total current public expenditure (143 billion euros);

#### Main expenditure responsibilities

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Protection of health; Public transport; Complementary social welfare; Higher education and vocational training.

Provinces (93 of which 17 in special regions) and Metropolitan districts (14 of which 4 in special regions), 0,8% of total current public expenditure (6 billion euros);

#### Main expenditure responsibilities

Management of provincial road network; Management of public high school buildings; Environmental protection; Delegated functions by regions in local public transport and vocational training.

**Municipalities (7.978 of which 1.351 in special regions)**, 6,8% of total current public expenditure (52,2 billion euros);

#### Main expenditure responsibilities

Environment protection and waste management; Social services, childcare and nursery schools; School-related services; Local police; Local transport and maintenance of local roads; Registry, Town planning and Central administration, Culture and recreation, Economic development.



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#### **BACKGROUND INFORMATION ON ITALY:** INTERGOV. FISCAL RELATIONS

#### **Regions**

- Protection of health is fully financed by formula grants and local taxes/fees
  - fiscal equalization system is based on the difference between standard expenditure needs and fiscal capacity, health expenditure is standardized by the State General Accounting Department (Representative expenditure system based on the population structure by age), Regional fiscal capacity is computed by the Department of Finance
- Other current expenditure items of regions (only those with normal statute) will be standardized by SOSE, the methodology is under construction

#### Provinces and Metropolitan districts (the whole system is under reform)

- No equalization system in place, current expenditure is financed completely by local taxes
  - current expenditure is standardized by SOSE, only for 86 local authorities in normal regions, using a Regression Cost Base Approach, this parameter has been used in the spending review program

#### Municipalities (comuni) (6.627 local authorities in normal regions)

- Current expenditure is fully financed by local taxes/fees and formula grants (the transitional period from an equalization system based on actual expenditure will end in 2021)
  - fiscal equalization system is based on the difference between standard expenditure needs and fiscal capacity, current expenditure is standardized by SOSE using a Regression Cost Base Approach, Municipal fiscal capacity is computed by the Department of Finance in cooperation with SOSE



## EVALUATION OF STANDARD EXPENDITURE NEEDS AND FISCAL CAPACITY



**THE POWER OF STANDARDIZATION - 1** 

#### For each local government and in aggregate at macro level



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#### THE POWER OF STANDARDIZATION - 2



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#### **THE POWER OF STANDARDIZATION - 2**



#### **THE POWER OF STANDARDIZATION - 2**



#### **THE POWER OF STANDARDIZATION - 2**



#### **THE POWER OF STANDARDIZATION - 2**





#### **SOSE** METHODOLOGY RELIES ON FOUR MAIN PILLARS:



In Italy the same methodology is adopted for different local government tiers

- Municipalities (6627 units)
- Provinces (86 units)
- Regions (15 units)

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- => 8 functions using 85 variables
- => 5 functions using 12 variables
- => under construction



#### STANDARD EXPENDITURE NEEDS FISCAL EQUALIZATION AND BENCHMARKING

#### Italy condominium



... resource management is handled through a system of coefficients and not to the negotiations of the different members

#### Navigational compass



.... possibility to measure the level and the quality of local expenditures (benchmarking)

THE THEORETICAL FRAMEWORK (REGRESSION COST BASE APPROACH)



#### THE THEORETICAL FRAMEWORK (REGRESSION COST BASE APPROACH)



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THE THEORETICAL FRAMEWORK SUPPLY SIDE

# SUPPLY SIDE

 $y = s(g_s, g_e, \boldsymbol{p}, \boldsymbol{A})$ 

- y = total service cost
- $g_s$  = exogenous load factors
- $g_e$  = endogenous output
- **p** = input prices

#### **Expenditure function**

(reduced form of the cost function)

 $y = f(Q, R, p, A, g_s)$ 

#### **Benchmark of expenditure**

- Main pillar of the new equalization system of municipalities (with the fiscal capacity)
- Main variable to assess the sustainability of the spending review program of provinces (with fiscal capacity)



THE THEORETICAL FRAMEWORK THE DEMAND SIDE

#### **Benchmark of output**

• Evaluation of the standard level of services

 Main component of the performance evaluation



 Main component of a future incentive system





#### The main techniques and the Italian choices



Standard expenditure (y) =  $\alpha_1 X_1 + \alpha_2 X_2 \dots + \alpha_i X_i \dots + \alpha_n X_n$ 

Expenditure function  $\rightarrow \alpha$  are weights in euros and *X* are context variables (e.g. population by age)

Cost function  $\rightarrow \alpha$  are standard costs and *X* are service variables (e.g. tons of waste disposed and recycled, school meals, elderly people assisted in residential care etc..)

In all cases  $\alpha$  are parameters to be estimated using a linear regression model

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#### **DATABASE CONSTRUCTION**

#### **INFORMATION FLOW**



#### **QUESTIONNAIRE STRUCTURE**

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Questionnaire for Municipalities, Association of Municipalities and Mountain Communities



#### **QUESTIONNAIRE STRUCTURE**



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# THE ISTITUTIONAL PROCESS FOR STANDARD EXPENDITURE NEEDS

**Technical steps Political steps** usually from April to September usually from September to December Decree The methodology published **SOSE** updates is examined and Decree examined in the eventually the database by the State-City Official approved by the and elaborates and local Gazette Technical the econometric **Autonomies** Commission models Conference (CTFS) Decree is Decree issued examined and Scientific cooperation by the eventually between SOSE and **President of** approved by the The National the Council of Not Houses of Association of Italian **Ministers** Parliament necessary Municipalities (ANCI) if only the and The Union of Italian database Provinces (UPI) is updated

Technical and political steps tend to overlap



BUSINESS INTELLIGENCE MODEL (NAMING AND SHAMING)





- On line publication of municipal data on expenditures and performances in the provision of public services
- Open access to all citizens
- Open data
- More information for local administrations
- Stimulate higher electoral accountability and citizens' partecipation

#### PERFORMANCE EVALUATION: QUANTITATIVE LEVEL OF SERVICES (QLS)

#### For each main function

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	Historic (a)	Standard (b)	Difference (a-b)
Expenditure	У	ŷ	$\Delta y$
Level of Service	g	ĝ	Δg

# Performance evaluation• Output score $= \Delta g$ • Expenditure score $= -\Delta y$ • QLS score $= (\Delta g - \Delta y)$




# METHODS FOR THE EVALUATION OF FISCAL CAPACITY (FC)

### Historical revenue approach

FC is measured by the actual amount of own source tax revenue recorded in the budget sheet

• generates incentives for the local authorities to reduce fiscal effort.

#### Macroeconomic indicators methodology

FC is approximated by some measure of local wealth (per capita GNP or GDP or personal income etc.)

- Measures based on GNP or personal income could underestimate FC in regions where significant taxable economic activities involve non-residents
- macro indicators may not be available at micro-level or may be subject to huge approximations

#### The representative tax system (RTS)

FC is based on the evaluation of tax revenues that different jurisdictions could collect by imposing taxes at the standard rate on the actual value of the tax bases

• overcomes most of the drawbacks of the other two methods



Although RTS does not disincentive the tax effort but presents some drawbacks:

- Local governments do not have the right incentive to implement policies against the tax evasion
- RTS cannot be properly used when the tax legislation does not establish a standard rate
- A further major problem of RTS is that, in some cases, the tax base may not exist or it may be impossible to evaluate it properly
- Possible solutions:
  - Evaluation potential tax base
  - Evaluation of the tax gap
  - Regression-based Fiscal Capacity Approach



# **REGRESSION BASED FISCAL CAPACITY APPROACH (RFCA)**

$$T = \beta_1 R + \beta_2 S + \beta_3 N + \beta_4 A + \varepsilon$$

Actual tax revenue (T)	Fees and tariffs (nurseries, cemetery services, local transport, issuance of certificates, etc.)
Proxy of the tax base (R)	Local income, real estate values
Fiscal effort (S)	Average effective tax rates
Non residents (N)	Number of turists and commuters
Control variables (A)	Socio-demographic variables that captures local preferences
Stochastic component (E)	Extraordinary events

# Fiscal capacity = $\beta_1 R + \beta_2 S(avg) + \beta_3 N$



# THE CASE OF ITALIAN MUNICIPALITIES (AN EXAMPLE OF FISCAL EQUALIZATION SYSTEM)





**Comuni** are ruled by a city council and an executive committee headed by an elected mayor (*sindaco*).

- Mayors are directly elected for five-year terms and are subject to a two-term limit
- in small municipalities (below 15000 inhab.) by first-past-the-post
- in large municipalities (above 15000 inhab.) by run-off



## **MUNICIPALITIES BY POPULATION**



Normal regions

Special regions



# MUNICIPALITIES EXPENDITURE



Only current expenditure of essential functions (34 billion euros) is considered for the evaluation of standard expenditure needs

### **ESSENTIAL FUNCTIONS**

(34 BLN EUROS 80% OF TOTAL CURRENT EXPENDITURE)



# THE ESTIMATION OF STANDARD EXPENDITURE **NEEDS** – THE ALLOTMENT COEFFICIENT

#### **Expenditure needs**



Standard expenditure needs are converted in an allotment coefficient according to the weight of each function in terms of standard expenditure

Waste

25%

AN EXAMPLE WASTE MANAGEMENT SERVICES

	Standard costs in euros	F (3	PEDESINA 39 inhab.)		(2.864	ROMA I.731 inhab.)	
	(A)	Variable value (B)	Standard expenditure (C = A * B)		Variable value (D)	Standard expenditure (E = A *D)	
Basic standard cost per tonne of waste disposed (differentiated by cluster and region)			233,60	+		377,80	+
% of Recycled waste	1,15	51,28	58,97	+	38,83	44,65	+
Distance from disposal facilities in km (weighted average by type of waste)	0,41	70,00	28,70	+	29,97	12,29	+
Petrol average municipal cost (% difference from national average)	1,22	-10,76	-13,13	+	1,41	1,72	+
Final standard cost per tonne of waste disposed (G)			308,14	=		436,46	=
Tons of waste disposed (H)		36			1.681.245		
Standard expenditure depending on tons of waste (I = G*H)			11.093	+		733.800.228	+
Diseconomy of scale (J)			6.321	+		6.321	+
Total expenditure needs (K = I+J)			17.414	=		733.806.549	=
Expenditure needs of all municipalities (L)			8.818.067.127			8.818.067.127	
Allotment coefficient (M = K/L)			0,000001974833			0,083216257953	

### AN EXAMPLE

ROME (THE BIGGEST CITY IN ITALY, 2,9 MLN INHAB.)

	YEAR	2015	National av	erage 2015	Gap % from national average 2015
	Per capita values 2015 (A)	Composition %	Per capita values 2015 (B)	Composition %	C = (A-B)/B*100
Waste management	256,18	24,08%	171,15	25,08%	49,68%
Central administration	132,93	12,49%	137,47	20,14%	-3,30%
Education	147,65	13,88%	90,86	13,31%	62,49%
Social care	166,82	15,68%	94,21	13,80%	77,08%
Planning and public roads	89,19	8,38%	92,85	13,61%	-3,94%
Local Police	108,91	10,24%	47,46	6,95%	129,48%
Nursery services	73,89	6,95%	27,30	4,00%	170,67%
Local public transport	88,35	8,30%	21,17	3,10%	317,34%
TOTAL	1063,93	100,00%	682,47	100,00%	55,89%

#### Standard expenditure needs 2015 and national average



Per capita values 2015 national average

### **AN EXAMPLE**

PEDESINA (THE SMALLEST VILLAGE IN ITALY, 39 INHAB.)

	YEAR	2015	National av	erage 2015	Gap % from national average 2015
	Per capita values 2015 (A)	Composition %	Per capita values 2015 (B)	Composition %	C = (A-B)/B*100
Waste management	446,96	15,16%	171,15	25,08%	161,16%
Central administration	1567,61	53,19%	137,47	20,14%	1040,31%
Education	114,26	3,88%	90,86	13,31%	25,75%
Social care	90,82	3,08%	94,21	13,80%	-3,60%
Planning and public roads	704,72	23,91%	92,85	13,61%	658,98%
Local Police	23,06	0,78%	47,46	6,95%	-51,42%
Nursery services	0,00	0,00%	27,30	4,00%	-100,00%
Local public transport	0,00	0,00%	21,17	3,10%	-100,00%
TOTAL	2947,43	100,00%	682,47	100,00%	331,88%

#### Standard expenditure needs 2015, 2013 and 2015 national average



Per capita values 2015 national average

Per capita values 2015

# SUMMARY OF DETERMINANTS OF STANDARD EXPENDITURE NEEDS

Homogeneous group of	2016 Metho	odology
variables	No. of variables	% impact
TOTAL	85 (40 from questionnaire)	100
Service provided	23	28,68
Regional effect	15	20,87
Territorial morphology	6	11,08
Resident population	4	10,71
Input prices	8	5,20
Vehicles and road traffic	5	4,88
Local economy	3	4,61
Buildings and real estate	1	2,93
Census	2	2,67
Exogenous load factors	5	2,08
Managerial choices	8	2,11
Tourism	2	1,87
Investments	1	1,31
Deprivation	2	0,99

#### Main variables:

- Resident population (no.)
- Waste disposed (tons)
- Waste recycled (tons)
- Population above 65 (no.)
- Population between 3 and 14 (no.)
- Children served by Nursery (no.)
- School meals (no.)
- Presence of Metro/Tram service (yes/no)
- Surface area of the municipality (sqm)
- Altitude of the municipality (m)

# THE ITALIAN MODEL OF MUNICIPAL FISCAL CAPACITY

<b>REVENUES</b> ITEM	MODELS	BILLION EUROS	%
Local income tax (ACI)	RTS (Representative Tax System)	2.6	10,3%
Property tax (IMU-TASI)	RTS with Tax-gap	12.3	48,8%
Fees	RFCA (Regression-based Fiscal Capacity Approach)	4.1	16,3%
Waste Management fees (TARI)	Neutralization against standard expenditure needs	6.3	25,0%
	Total fiscal capacity =	25.2	100,0%
Macro budget (26	6.3 billion euros) = 25.2	+ 1.1 Centra	al gov. reso

- Ex-ante macro-budget definition (closed-end system)
- Equalization grants = *expend. needs fiscal capacity*
- Horizontal equalization

• Equalization target = 50%





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# FISCAL CAPACITY AND STANDARD EXPENDITURE



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# THE CASE OF ITALIAN PROVINCES AND METROPOLITAN DISTRICTS (AN EXAMPLE OF SPENDING REVIEW PROGRAM)





### Italian Law n. 56 of 2014 has redefined the structure of Provinces, Metropolitan Districts

- 1. Transformation of Provinces in Second-tier Institutions and creation of Metropolitan District;
- 2. Determination of fundamental functions of Provinces and Metropolitan Districts;
- 3. Reorganization of the non-fundamental functions of Provinces.



# ESSENTIAL FUNCTIONS (3 BLN EUROS 50% OF TOTAL CURRENT EXPENDITURE)

- **Public education** (Provincial planning of the school network in accordance with regional planning, management of high school buildings);
- **Provincial roads** (Construction and management of provincial roads and regulation of road traffic);
- Environment (Provincial spatial planning coordination and protection and enhancement of the environment);
- **Transportation** (Planning of transport services in the provincial area, authorization and control of private transport in accordance with the regional planning);
- **General Functions** (Collection and processing of data, technical and administrative assistance to Local Authorities and additional planning and coordination functions for Metropolitan Districts)

# MAIN EXPENDITURE DRIVERS



# **CALCULATION OF STANDARD EXPENDITURE**

FUNCTIONS	Main components (M)	Additional components (X)
EDUCATION (Number of high schools)	44,932.64 euros per school + 516.55 * (% of sqm in climate zone EF) 5,136.76 for Metropolitan Districts 1,245.85 for other Provinces	Pupils with disabilities from state secondary schools of second grade (5,451.23 per pupil) Area in square meters of school buildings (2.84 per square meter)
TERRITORY (Km of roads)	2,9499 euros per kilometer of provincial roads subject to maintenance 1,591.97 for Metropolitan Districts (10% maintenance hypothesis)	Km of roads in mountainous areas (1,820.11 per km) Total number of employees (16.77 per person employed)
ENVIRONMENT (Resident population)	3,22 euros per inhabitant + 1,07 for Metropolitan Districts - 0,26 for other Provinces	Total surface area in square kilometers (605.21 sq km) Risk of landslides (13.38 per inhabitant exposed to serious risks)
GENERAL FUNCTIONS (Resident population)	7,80 euros for Metropolitan Districts 5,08 euros for mountainous Provinces 3,63 euros for large areas institutions	Value of tangible fixed assets, land and buildings (2.18% for Metropolitan Districts, 1.56% for other provinces)
TRANSPORTATION (vehicles in circulation)	2,11 euros per circulating vehicle + 1,34 for Metropolitan Districts - 0,32 per other Provinces	

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COMPOSITION OF STANDARD EXPENDITURE AND COMPARISION WITH HISTORICAL EXPEND.



### **62**

# OWN TAX REVENUES OF PROVINCES AND METROPOLITAN DISTRICTS

Fiscal capacity
RES (standard tax rate)

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Actual tax revenues

Potential tax revenues



## Tax on landfill waste disposal

Tax base: Municipal waste tax Standard tax base: 1% (increase up to 5%).

### Tax on vehicle property transfer

Tax base: no. of property transfers Standard tax rate: 150,8 euros (increase up to 30%)

## **Car Insurance Premium Tax**

Tax base: insurance premium.

Standard tax rate: 12,5% (3.5% changes up or down)





# SPENDING REVIEW PROGRAM EVALUATION OF FISCAL GAP



### FISCAL GAP = STANDARD EXPENDITURE – POTENTIAL TAX REVENUE

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**SPENDING REVIEW PROGRAM OF PROVINCES** 

Allocation mechanism 2015 spending cuts (900 million euros), based on a comparison between potential revenues and standard expenditures

REVENUE	S	EXPENDI	TURE
Potential revenues (A)	3.045.081.463	Standard current expenditures (D)	2.120.250.802
2015 spending cuts (B)	900.000.00	Interest expense (E)	240.501.605
TOTAL (C = A-B)	2.145.081463	TOTAL (F = D+E)	2.360.752.407
		Structural imbalance (G = F-C)	215.670.944

figures in euros



# THE CASE OF ITALIAN MUNICIPALITIES (AN EXAMPLE OF MONITORING AND INCENTIVE MECHANISMS)



# WWW.OPENCIVITAS.IT



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**OpenCivitas** (<u>www.opencivitas.it</u>) is a web portal containing information coming from all local Governments in Italy. The data are elaborated in order to benchmark and evaluate the different performances and promote transparency, efficiency and effectiveness of local Governments



# OPENCIVITAS ROMA vs PEDESINA



Spesa Storica vs Fabbisogno



Livello servizi vs livello servizi standard



	Roma	
Popolazione al 31/12/2013	3	
2.863.322		
Spesa storica		
€ 3.784.946.628		
Fabbisogno Standard		
€ 3.192.414.770		
Differenza in €		
€ +592.531.858		
Differenza %		
+18,56 %		
🜟 🚖 🚖 👘 1 Livello su scala da 1 a	10	(3,20)
Livello su scala da 1 a Livello quantitativo delle p Tributi	10 restazioni per servizio.	(5,20)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico	10 vestazioni per servizio.	(5,20)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe	10 restazioni per servizio	(5,20) (5,20) (3,20) (4,80)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali	10 vestazioni per servizio.	(5,20) (3,20) (3,20) (4,80) (3,60)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali Polizia Locale	10 restazioni per servizio	(5,20) (5,20) (3,20) (4,80) (3,60) (5,60)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali Polizia Locale Istruzione	10 vestazioni per servizio.	(5,20) (5,20) (3,20) (4,80) (3,60) (5,60) (6,40)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali Polizia Locale Istruzione Viabilità	10 restazioni per servizio	(5,20) (3,20) (3,20) (4,80) (3,60) (5,60) (6,40) (4,60)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali Polizia Locale Istruzione Viabilità Trasporti	10 vestazioni per servizio. ************************************	(5,20) (3,20) (3,20) (4,80) (3,60) (5,60) (6,40) (4,60) (4,60)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali Polizia Locale Istruzione Viabilità Trasporti Territorio	10 restazioni per servizio	(5,20) (3,20) (4,20) (4,20) (5,60) (5,60) (6,40) (4,60) (4,00) (3,00)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali Polizia Locale Istruzione Viabilità Trasporti Territorio Rifiuti	10 vestazioni per servizio. ************************************	(5,20) (3,20) (4,80) (3,60) (5,60) (6,40) (4,60) (4,60) (4,00) (3,00) (3,20)
Livello su scala da 1 a Livello quantitativo delle p Tributi Ufficio Tecnico Anagrafe Altri Servizi Generali Polizia Locale Istruzione Viabilità Trasporti Territorio Rifiuti Sociale	10 restazioni per servizio. ************************************	(5,20) (3,20) (3,20) (4,80) (3,60) (5,60) (6,40) (4,60) (4,60) (4,00) (3,20) (3,20) (3,20)



#### Spesa media per abitante



#### Spesa Storica vs Fabbisogno



#### Livello servizi vs livello servizi standard



THE RATING SYSTEM OF OPENCIVITAS.IT

**REGIONAL AVERAGES** 

#### All municipal functions (2015)





# CONCLUSIONS



## THE POWER OF STANDARDIZATION

#### THE ITALIAN EXPERIENCE **Structural imbalaces Equalization system** (Corrective and (Assessment of the financial sustainability of Italian compensatory mechanisms) local gov. reforms) **Provinces** Standard expenditure Italian **Fiscal capacity** Munici-**Fiscal Gap** palities Standard costs and **Evaluation of the** Italian optimal level of services infrastructural gap **Regions** (Planning of investment (Monitoring and decisions) incentive mechanisms)

The fiscal gap analysis can also be a <u>tool for the evaluation</u> of the long run sustainability of the municipal financial structure in Lithuania





Soluzioni per il Sistema Economico S.p.A. - Via Mentore Maggini 48/C - 00143 Roma f. +39 06 50831301 t. +39 06 508311 info@pec.sose.it

C.F. e P.IVA 0585109100

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