

XXI CONGRESSO NAZIONALE AIV

La valutazione per uno sviluppo equo e sostenibile

L'AQUILA, 5-7 APRILE 2018



Assessing Equitable and Sustainable Well-being (Bes) at local level.

What indicators do we have?

What indicators do we need?

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Outline

1. Equitable and Sustainable Well-being Indicators at territorial level
2. The regional outlook in the Bes 2017 Report (Nuts2 level)
3. The indicators that we would need at regional level: upcoming developments
4. “Drill down” to the Nuts3 level
5. Statistical needs
6. Evaluation needs
7. Concluding remarks

Equitable and Sustainable Well-being Indicators

The selection of indicators is a crucial step, in the sense that "what we measure" affects "what we do" (Joseph Stiglitz, 2009).

The "Bes" project provides 129 indicators: almost all available at regional level (93% Nuts2).

The forthcoming first release of Istat's project "Bes measures at local level" will provide 61 indicators for the Nuts3 level that are consistent with the national framework .



Country/Regions
(Nuts1 and Nuts2)



129 indicators

Provinces & Metropolitan cities
(Nuts3)



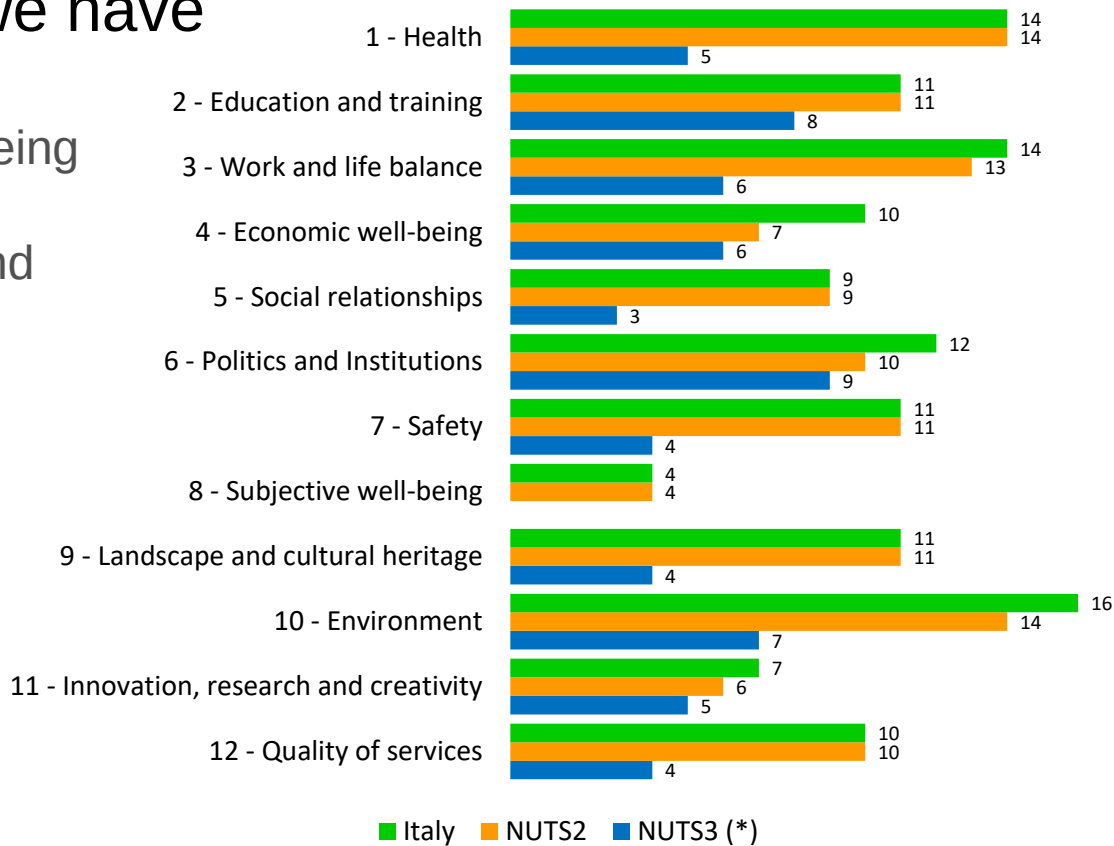
61 indicators

The indicators that we have

Equitable and Sustainable Well-being Indicators by domain and territorial level (Italy, Nuts2 and Nuts3)

	Bes Indicators: Italy and Nuts2 level (Bes Report 2017)	129
	Bes Indicators: Nuts3 level (*)	61

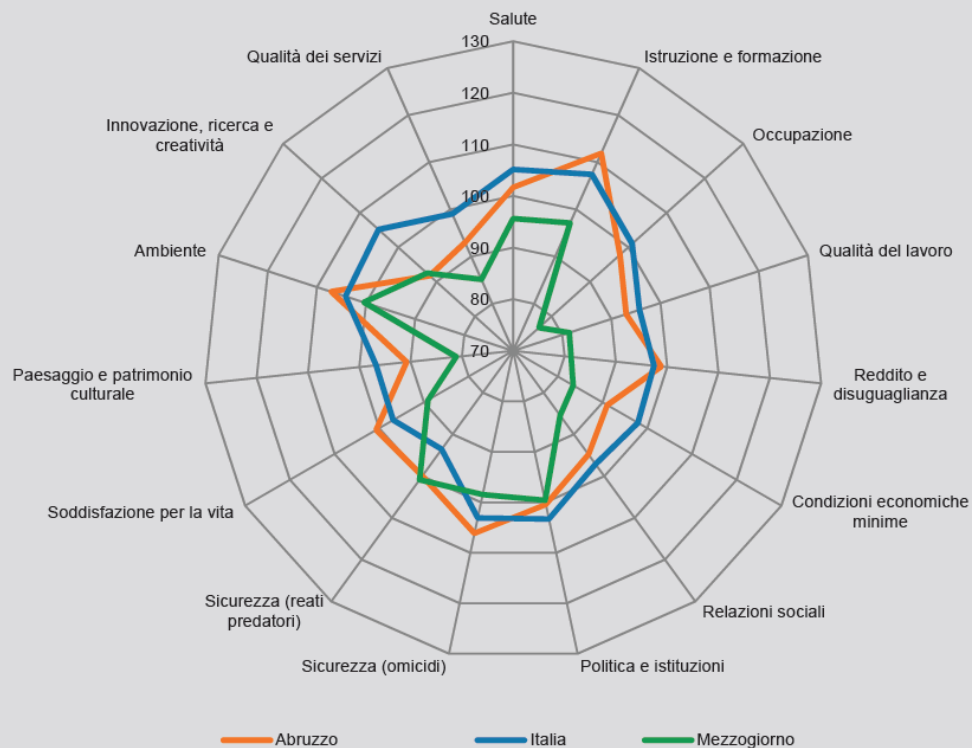
(*) including proxy and other indicators



The regional outlook in the Bes 2017 Report: Abruzzo



Indici compositi per Abruzzo, Mezzogiorno e Italia. Anni 2015/2016. Italia 2010=100 (a)



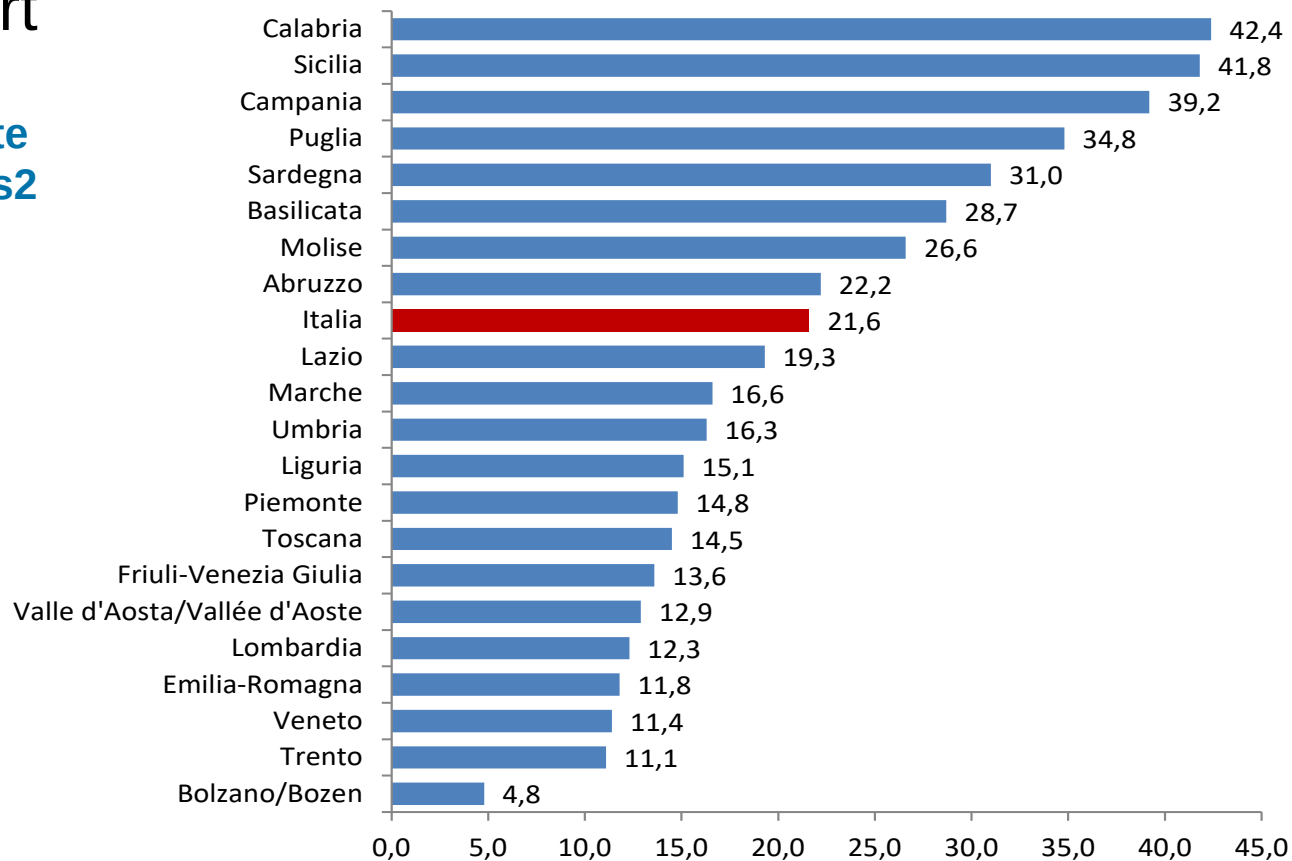
The regional outlook in the Bes 2017 Report: Abruzzo

Andamento degli indici compositi tra l'ultimo anno disponibile e l'anno precedente per Abruzzo, Mezzogiorno e Italia. Anni 2015/2016 (b)

REGIONI E RIPARTIZIONI GEOGRAFICHE	Salute	Istruzione e formazione	Occupazione	Qualità del lavoro	Reddito e disuguaglianza	Condizioni economiche minime	Relazioni sociali	Politica e istituzioni	Sicurezza (omicidi)	Sicurezza (reati predatori)	Soddisfazione per la vita	Paesaggio e patrimonio culturale	Ambiente	Innovazione, ricerca e creatività	Qualità dei servizi
	2016	2016	2016	2016	2015	2016	2016	2016	2016	2015	2016	2016	2016	2016	2015
Abruzzo	↓	↑	↑	→	↑	↑	↓	↑	→	→	↑	↑	↑	→	→
Mezzogiorno	↑	↑	↑	→	↓	↑	↓	↑	↑	↑	↑	↑	↑	↓	→
Italia	↑	↑	↑	→	↓	↑	↓	↑	↑	↑	↑	↑	↑	→	↓

Bes 2017 report

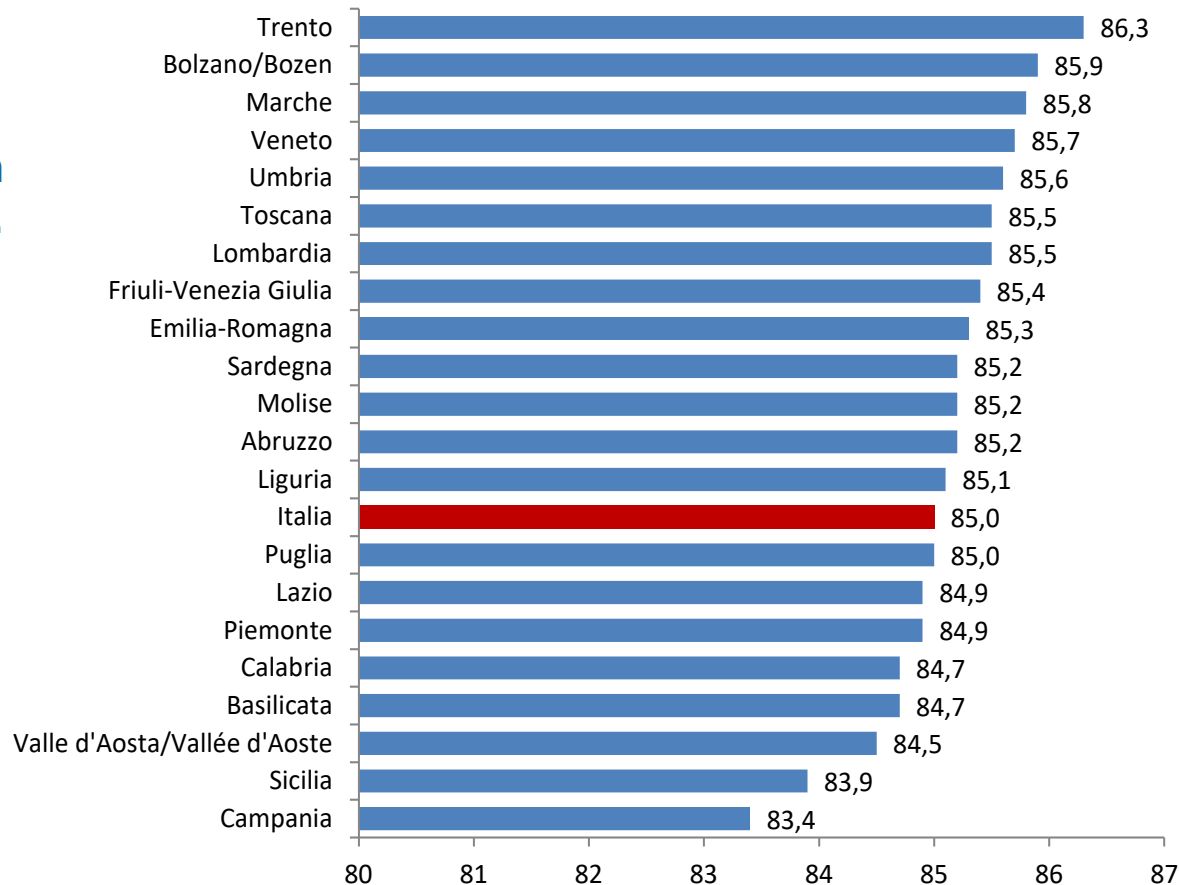
**Non-participation rate
(15-74 years) by Nuts2
region. Year 2016
(percentage)**



Fonte: Istat, Labour Force Survey

Bes 2017 report

**Life expectancy at birth
by Nuts2 region. Females.
Year 2016**
(average number of years)



Fonte: Istat, Life Tables of the Population

The indicators that we would need at regional level

From the national level to the regional level, there is a problem of data availability.

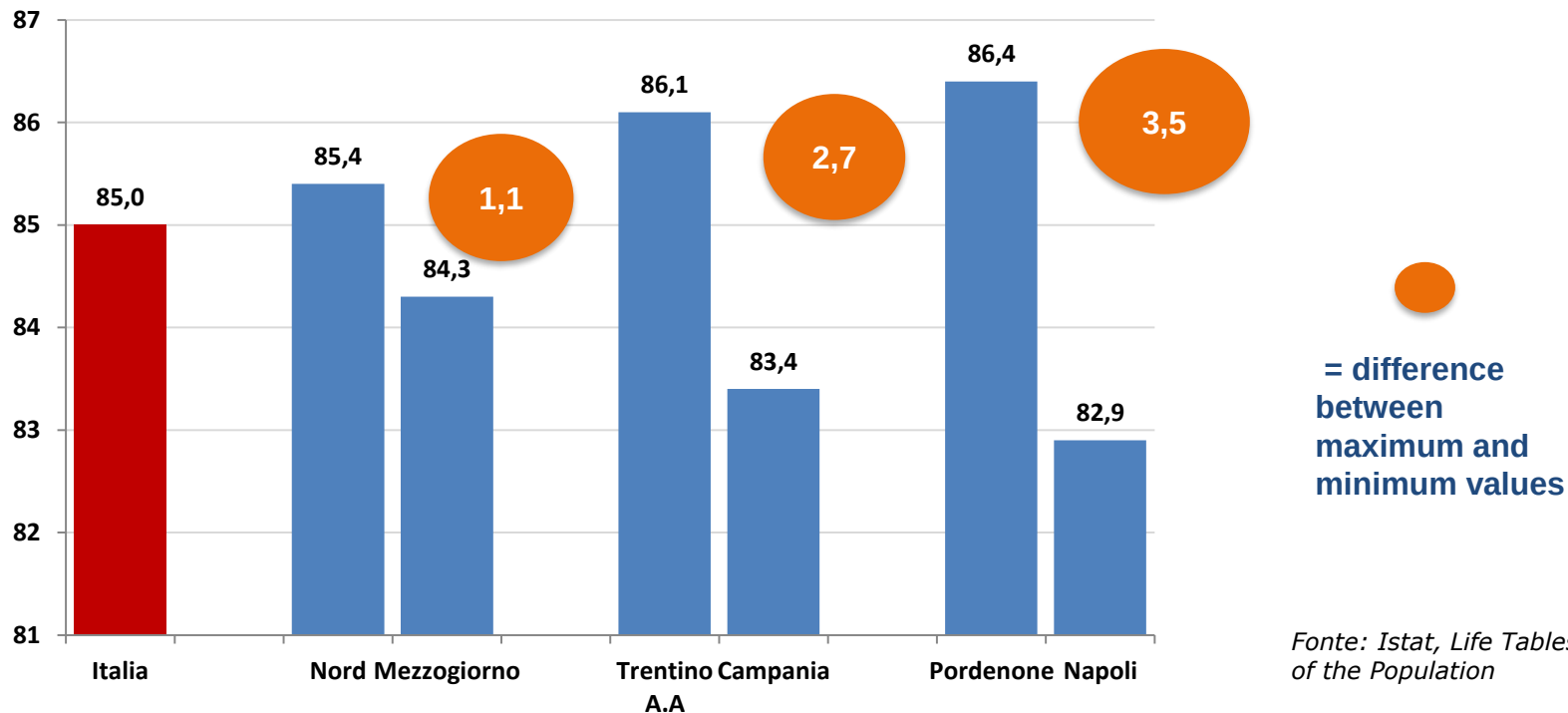
In the Bes 2017 Report some indicators are not available by region: for example Emissions of CO₂ and other greenhouse gasses, People living in absolute poverty, Domestic material consumption, etc.

Possible solutions:

- statistical estimation models for small areas
- use the info in the registers in the national statistical system

Bes indicators: from national to local level

Life expectancy at birth comparison between maximum and minimum values:
Italy, Nuts1, Nuts2 and Nuts3 level. Females. Year 2016 (average number of years)



Fonte: Istat, Life Tables of the Population

"Drill down " to the Nuts3 level. What indicators do we need?

Statistical needs

- Relevance (detail)
- Robustness (reliability)
- Consistency (from global to local)
- Usefulness (information needs)
-

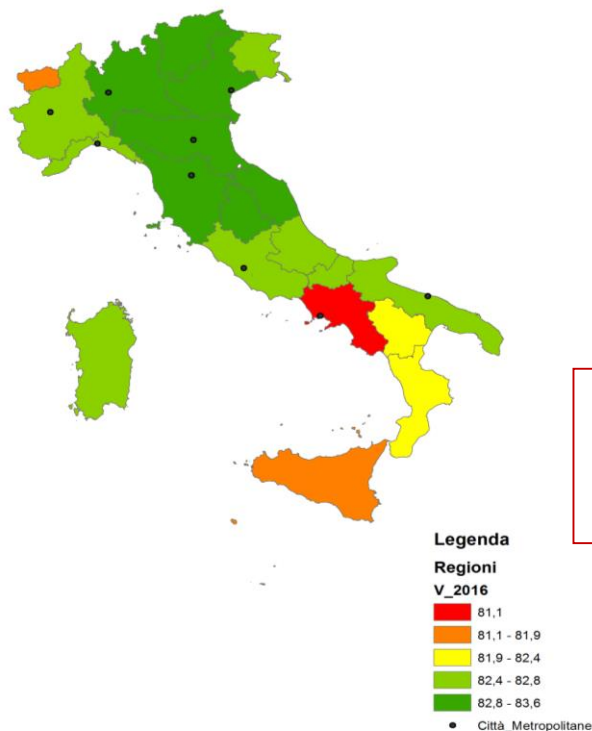
Evaluation needs

- Sensitivity to policies (connections)
- Validity (framework)
- Completeness (from local to global)
- Acceptance (information use)
-

Subjective well-being: lacking at all

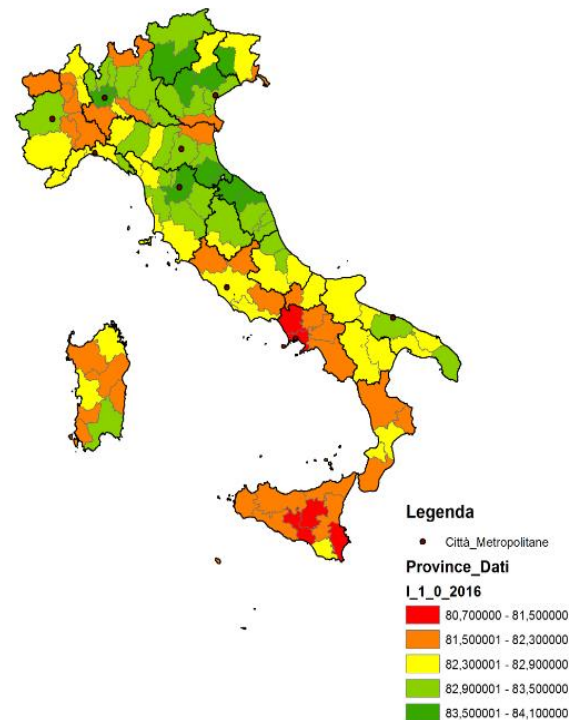
Income distribution measures: to be implemented

Relevance



Life expectancy at birth by Nuts2 and Nuts3 region. Total. Year 2016 (average number of years)

Range:
Nuts2 = 83,6-81,1
Nuts3 = 84,1-81,5



Fonte: Istat, Life Tables of the Population

Relevance

People 25-39 having completed tertiary education (ISCED 5, 6, 7 or 8) at Nuts2 and Nuts3 level.

Year 2016

(percentages)

Italia: 24,4%

Abruzzo: 24,0%

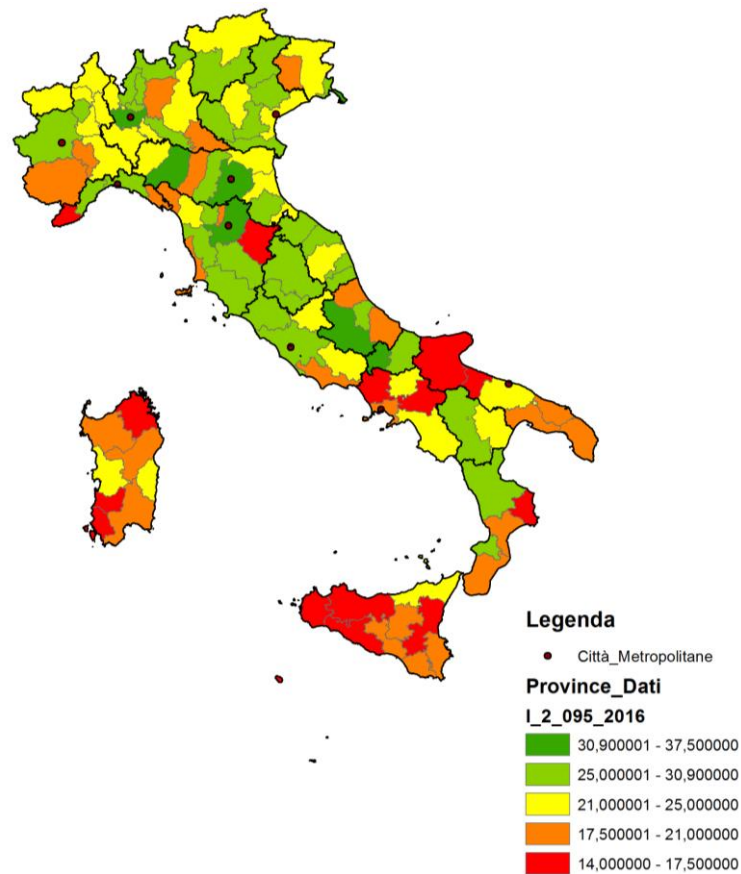
L'Aquila: 32,2%

Europe 2020 targets (30-34)

Italia: 26%

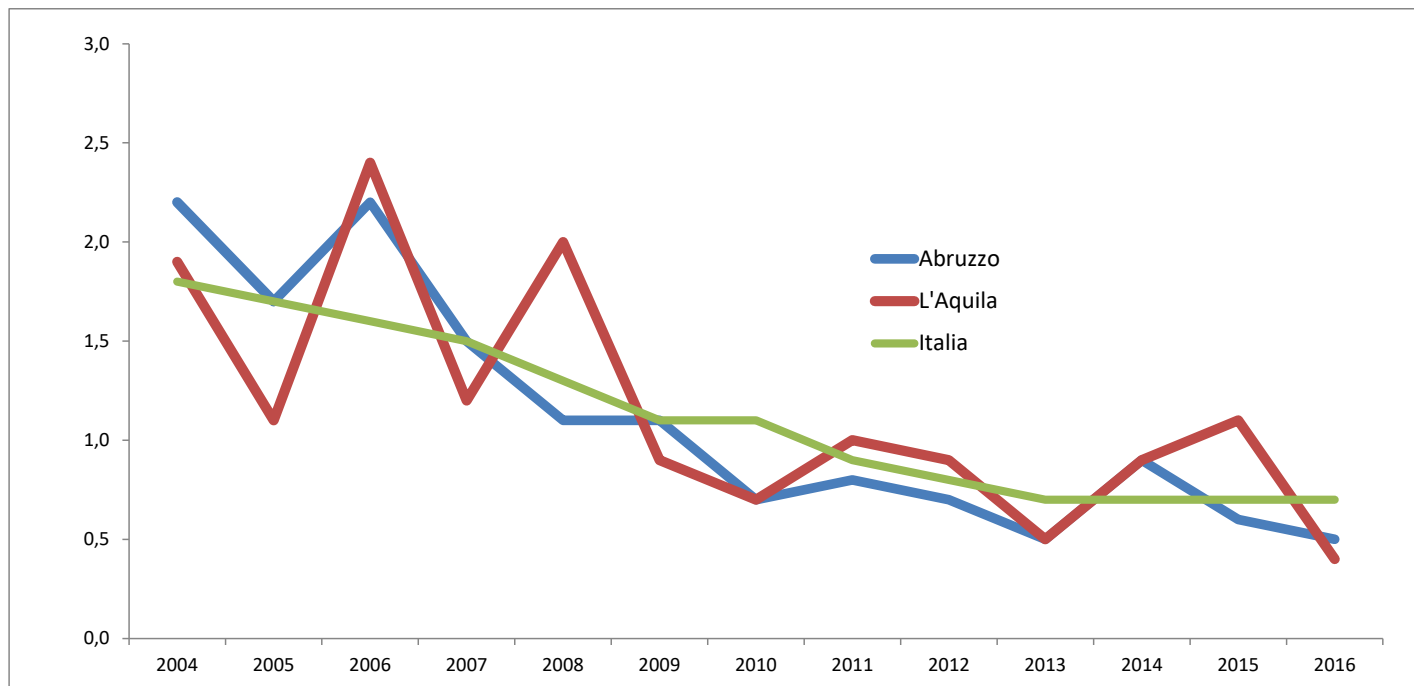
UE: 40%

Fonte: Istat, Labour Force Survey



Robustness (reliability)

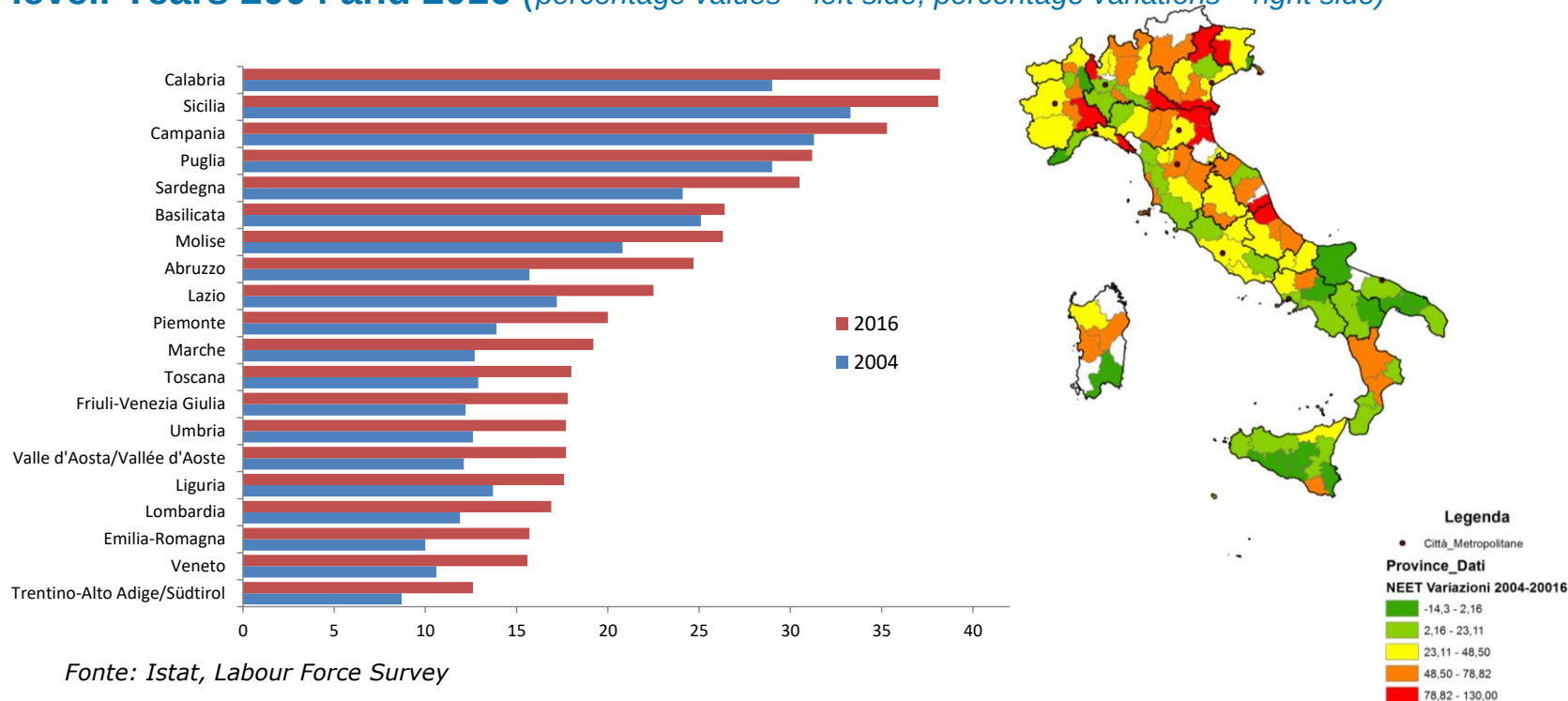
Road accidents mortality rate (15-34 years old) in Italy, in Abruzzo, in L'Aquila.
Year 2016 (standardised rates)



Fonte: Istat, Road Accidents Survey

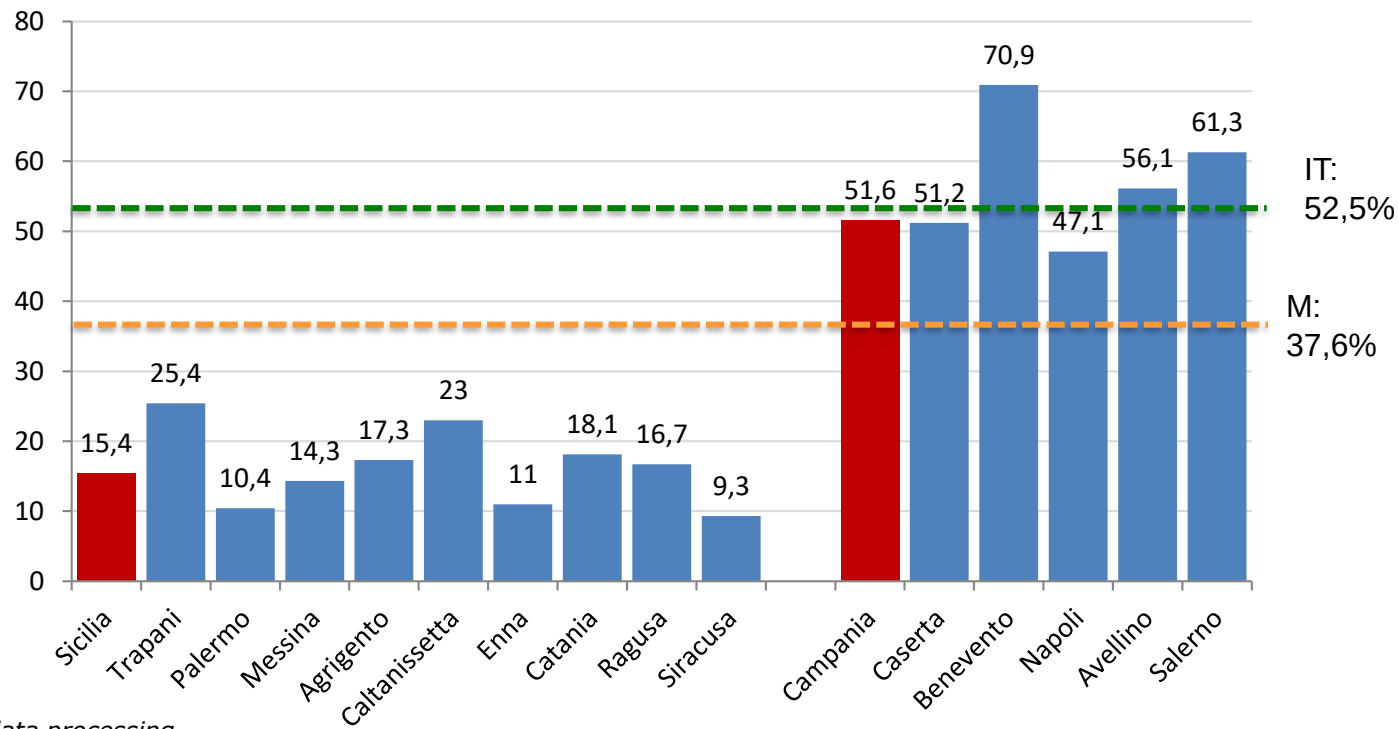
Consistency (global/local)

People not in education, employment, or training (Neet) by Nuts2 and Nuts3 level. Years 2004 and 2016 *(percentage values – left side; percentage variations – right side)*



Usefulness

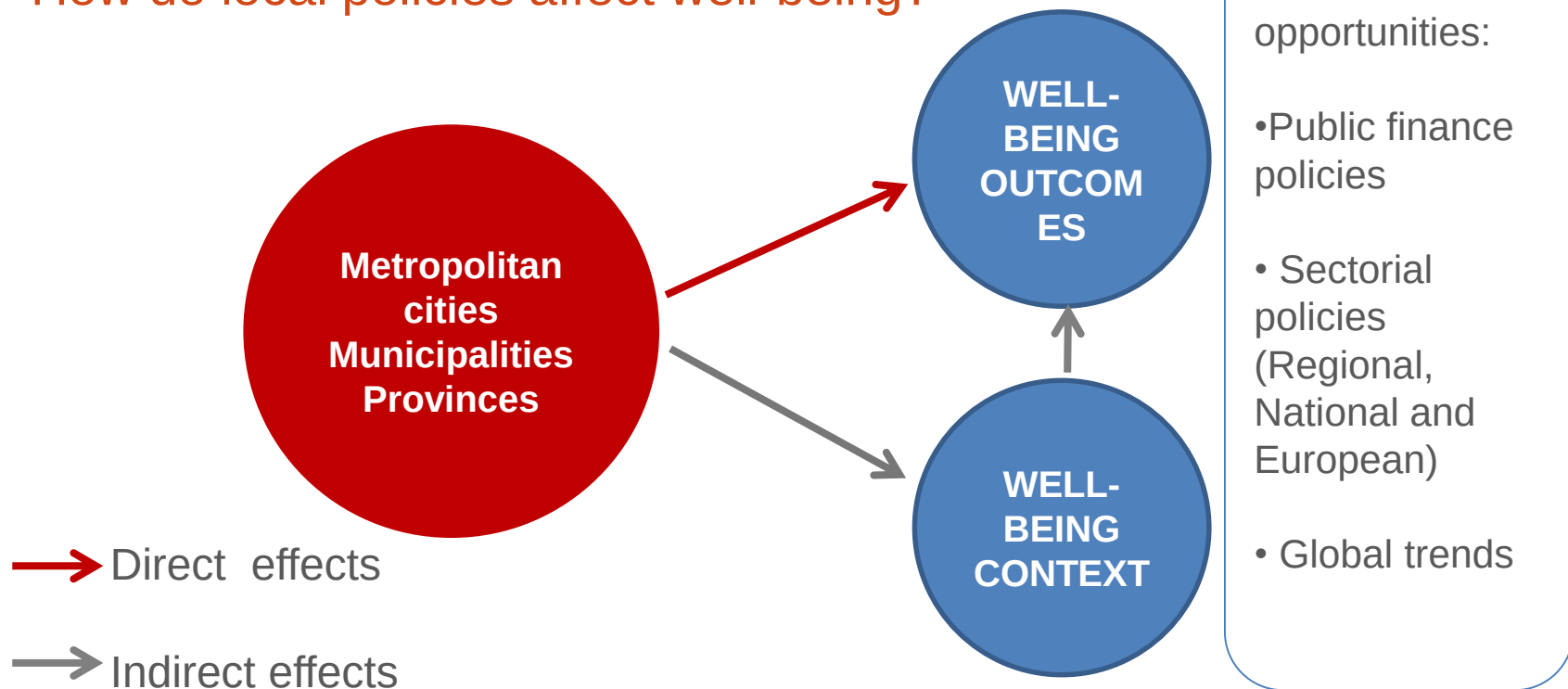
Separate collection
of municipal waste
at Nuts 3 region.
Sicilia, Campania,
Mezzogiorno e Italia
Year 2016
(percentages)



Fonte: Istat, Ispra data processing

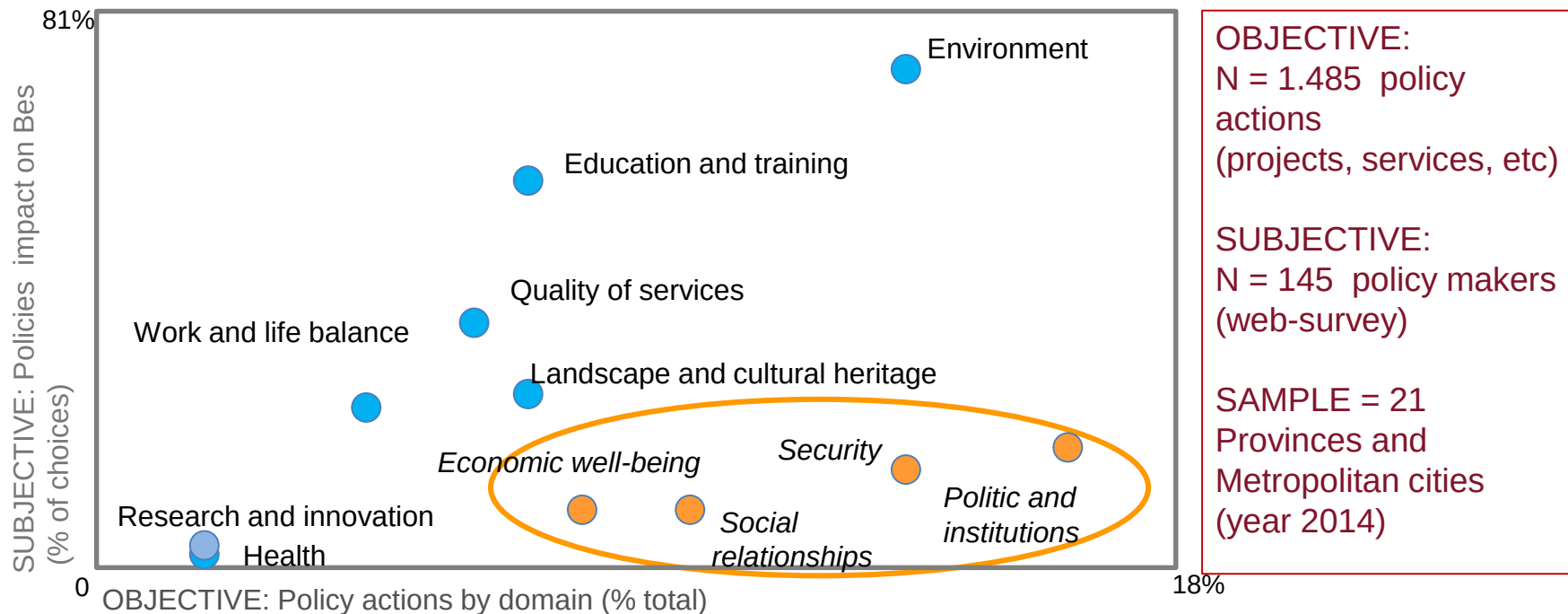
Sensitivity to local policies

How do local policies affect well-being?



Validity and acceptance

Objective and subjective relationships between Bes and local policies



Fonte: elaborazione su dati del Progetto Bes delle province

Completeness

Bes indicators as inputs/outputs/outcomes of the Budget Items of Italian Municipalities



Fiorillo, F., et al., *Misure di benessere dei territori e programmazione strategica: il livello comunale*, *Economia Pubblica*, 1/2017

Concluding remarks

Measuring Bes at the local level: three main challenges

- Timely, detailed, reliable, complete and consistent information flows: search for new data sources; methodological study
- Consistency and completeness: “glocal” approach
- Assessing Bes as a policy result: evaluative framework and methodologies

Bes Report

<http://www.istat.it/en/well-being-and-sustainability/well-being-measures/bes-report>

Bes measures at local level data being published on

<http://www.istat.it/it/benessere-e-sostenibilit /misure-del-benessere/il-bes-dei-territori>

Thank you

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