Sustainability: statistical measures, interlinkages, monitoring

Angela Ferruzza, ferruzza@istat.it

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SUSTAINABLE DEVELOPMENT GOALS

Istat and SDGs indicators:
What we have

o **Considering the UN-IAEG-SDGs framework and from 2016, Istat disseminates SDGs Indicators for Italy (activities in Sistan with Ispra, GSE, …): tenth disseminations, last update march 2021, next in july**

o **SDGs Istat Statistical Information system and Third SDGs 2020 Report**

o **133 SDGs indicators and 335 statistical measures (305 different)**

https://www.istat.it

https://www.istat.it/en/archivio/247720

https://www.istat.it/en/archivio/232745

https://www.istat.it/en/well-being-and-sustainability/sustainable-development-goals/istat-indicators-for-sustainable-development

How important is the territorial disaggregation ESW (BES) and SDGs: How important is the integration

Integration, Interlinkages,

Interactions : 58 indicators in common

Leaving no one behind: territorial level, increasing in the future

Classification variable Statistical measures SDGs ISTAT	Statistical measures SDGs ISTAT	Goal
Degree of urbanization / Municipalities / Municipality type	56	
Regions	187	
Provinces	14	
Gender	124	
Age class	70	
Citizenship / Nationality	56	
Presence of disability	17	

BES		SDGs	
1. Health	3 indicators	3 nel goal 3	
2. Education and training	8 indicators	7 nel goal 4 1 nel goal 8	
3. Work and life balance	7 indicators	1 nel goal 5 6 nel goal 8	
4. Economic well-being (*)	7 indicators	5 nel goal 1 3 nel goal 10	
5. Social relationships			
6. Politics and institutions (*)	8 indicators	4 nel goal 5 5 nel goal 16	
7. Safety	3 indicators	1 nel goal 5 2 nel goal 16	
8. Subjective well-being			
9. Landscape and cultural heritage	2 indicators	1 nel goal 11 1 nel goal 13	
10. Environment (**)	13 indicators	1 nel goal 1 2 nel goal 6 1 nel goal 7 1 nel goal 8 5 nel goal 11 2 nel goal 12 4 nel goal 13 1 nel goal 14 2 nel goal 15	
11. Innovation, research and creativity	2 indicators	2 nel goal 9	
12. Quality of services (*)	5 indicators	1 nel goal 1 3 nel goal 3 1 nel goal 6 1 nel goal 16	

(*) 1 indicator repeated in more goals

(**) 5 indicator repeated in more goals

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![Sustainable Development Goals logo]

Statistical measures for monitoring the NSDS, from 2017 to 2021, updating farmeworks : What we need ?

Goal 1 - No poverty

BES –DEF	Absolute poverty (incidence), 2019	7,7%
BES	Severe material deprivation rate, 2019	7,4%

Goal 2 - Zero hunger

	Overweight or obesity among minors from 3 to 17 years of age, 2019	25,6%
	Earnings before interest, taxes, depreciation and amortization of farms (EBITDA)	1.292 €/year
	Share of utilized agricultural land under organic farming 2019	15,8%

Goal 3 - Good health and well-being

BES - DEF	Healthy life expectancy at birth, 2019	58,6 Average number of years
	Age standardised death rate due to road traffic injuries, 2019	5,1 /Per 100,000 inhabitans
BES	Alcohol consumption, 2020	16,4%

Goal 4 - Quality education

BES - DEF	Early leavers from education and training, 2019	13,5%
BES	People having completed tertiary education (30-34 years old), 2019	27,6%

Goal 5 - Gender equality

BES – DEF	Ratio of employment rate for women aged 25-49 with at least one child aged 0-5 to the employment rate of women 25-49 years without children, multiplied by 100., 2019	74,3%
BES	Women and political representation at regional level, 2020	22,0%

Goal 6 - Clean water and sanitation

BES	Sewage treatment, 2015	59,6%
	Percentage of water bodies that have achieved the objective of ecological quality (high or good) on the total water bodies of surface waters (rivers and lakes), 2010-2015	41,7%
BES[≠]	Urban water supply network efficiency, 2018	58,0%

Goal 7 - Affordable and clean energy

	Electricity from renewable sources, 2018	17,8%
	Renewable energy share in the gross final energy consumption, 2019	35,0%
	Energy intensity, 2018	94,17%

Goal 8 - Decent work and economic growth

	Annual growth rate of real GDP per capita, 2019	0,5%
BES - DEF	Non-participation rate, 2019	18,9%
BES	Employment rate (20-64 years old) (20-64 anni), 2019	63,5%
BES	People not in education, employment, or training (NEET), 2019	22,2%

Goal 9 - Industry, innovation, infrastructure

	CO_2 emission per unit of value added, 2019	159,76 t/milione €
	Product and/or process innovative enterprises (per 100 enterprises), 2018	55,6%
	Researchers (in full time equivalent), 2018	25,2 /Per 10,000 inhabitants

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Statistical measures for monitoring from 2017 to 2021, updating farmeworks: What we need?

Goal 10 - Reduced inequalities

BES - DEF	Disposable income inequality, 2018	6,0
BES	People at risk of poverty, 2019	20,1%

Goal 11 - Sustainable cities and communities

	Public expenditure per capita spent on the preservation of the cultural and natural heritage, 2017	44,7 € pro capite
BES	Landfill of waste, 2019	20,9%
BES	PM2.5 Annual average concentration in the municipalities capital of the province/metropolitan cities 2018	3 Microgram per m^3
	Incidence of urban green areas on urbanized area of the cities, 2019	9,0%

Goal 12 - Responsible consumption, production

BES	Domestic material consumption per capita, 2019	8,0 Tonne per inhabitant
BES	Domestic material consumption per GDP, 2019	0,28 t/1000 €
BES	Separate collection of municipal waste, 2019	18.452.091 Ton

Goal 13 - Climate action

BES - DEF	Emissions of CO_2 and other greenhouse gasses, 2019	7,1 Tonne per inhabitant

Goal 14 - Life below water

	Marine protected areas EUAP, 2013	3.020,5 km^2

Goal 15 - Life on land

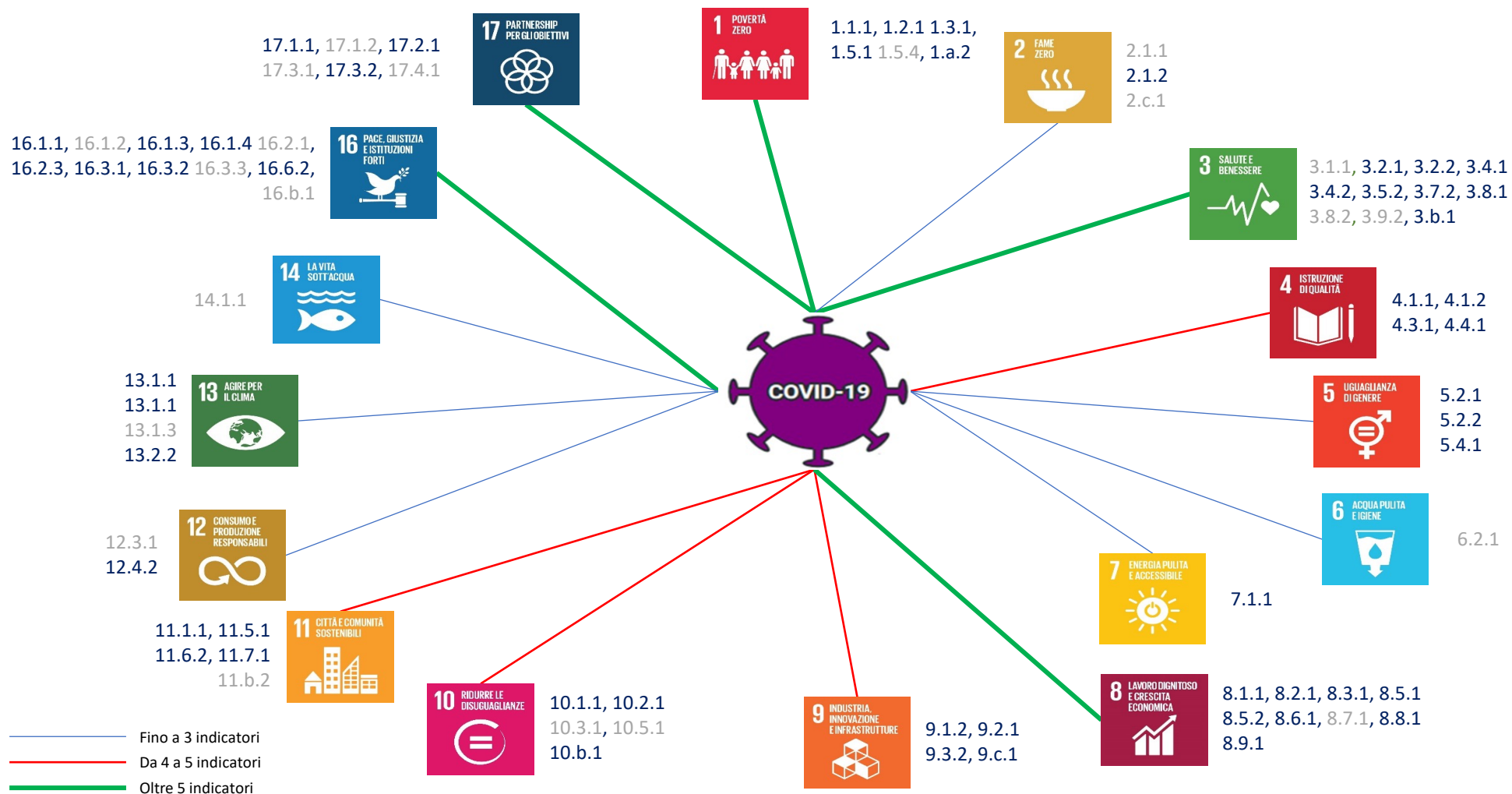|		
BES	Protected natural areas, 2017	21,6%
BES	Soil sealing from artificial land cover, 2019	7,10%
	Fragmentation of natural and agricultural land, 2019	36,1%

Goal 16 - Peace, justice and strong institutions

BES	Homicide rate, 2019	Male	0,7 Per 100,000 inhabitants
		Female	0,4 Per 100,000 inhabitants
	Unsentenced detainees as a proportion of overall prison population, 2019		16,0%
BES - DEF	Length of civil proceedings, 2019		421 In days

Goal 17 - Partnerships for the goals

	Official Development Assistance as a proportion of gross national income, 2019	0,22%

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Interlinkages and analyses for synergies and trade-off: pandemic

NRRP/PNRR: hypoteses

15 LIFE ON LAND
15.1.1, 15.1.2, 15.2.1
15.3.1, 15.4.1, 15.4.2
15.5.1, 15.a.1

16 PEACE, JUSTICE AND STRONG INSTITUTIONS
16.1.4
16.6.2

17 PARTNERSHIPS FOR THE GOALS
17.6.1
17.8.2
17.17.2

1 NO POVERTY
1.3.1, 1.4.1
1.a.2, 1.b.1

14 LIFE BELOW WATER
14.1.1, 14.3.1, 14.4.1
14.5.1, 14.6.1, 14.7.1
14.a.1, 14.b.1

13 CLIMATE ACTION
13.2.2
13.3.1

2 ZERO HUNGER
2.3.1, 2.4.1
2.a.1, 2.a.2
2.b.1

Mission PNRR 5

Mission PNRR 6

Mission PNRR 1

3 GOOD HEALTH AND WELL-BEING
3.8.1, 3.8.2
3.b.2, 3.b.3
3.c.1, 3.d.1

12 RESPONSIBLE CONSUMPTION AND PRODUCTION
12.3.1, 12.4.2
12.5.1, 12.8.1
12.b.1, 12.c.1

11 SUSTAINABLE CITIES AND COMMUNITIES
11.1.1, 11.2.1, 11.3.1
11.4.1, 11.5.1, 11.5.2
11.6.1, 11.6.2, 11.7.1
11.b.2

Mission PNRR 2

4 QUALITY EDUCATION
4.1.1, 4.1.2, 4.2.2
4.3.1, 4.4.1, 4.5.1
4.6.1, 4.7.1, 4.a.1
4.b.1, 4.c.1

Mission PNRR 3

10 REDUCED INEQUALITIES
10.1.1
10.2.1
10.4.2

Mission PNRR 4

5 GENDER EQUALITY
5.4.1
5.5.2

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
9.1.2, 9.3.1, 9.4.1
9.5.1, 9.5.2, 9.b.1
9.c.1

8 DECENT WORK AND ECONOMIC GROWTH
8.5.1, 8.5.2
8.6.1, 8.9.1

7 AFFORDABLE AND CLEAN ENERGY
7.1.1, 7.1.2
7.2.1, 7.3.1

6 CLEAN WATER AND SANITATION
6.1.1, 6.3.1
6.3.2, 6.4.1
6.4.2, 6.5.1
6.6.1

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