

8th International
Conference on
BIG DATA
& Data Science for Official Statistics

BILBAO 2024

Informing Climate Change and
Sustainable Development Policies
with Integrated Data

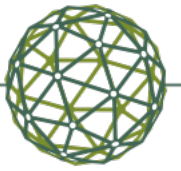
BILBAO. SPAIN **10-14 JUNE 2024** **#UNBigData2024**

Municipality-Level Indicators: Tailored Approaches and Local Focus

Haritz Olaeta Goiriena

Eustat





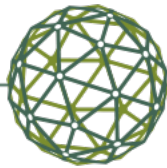
17/03/ 2022

Technical Team @ Governance Working Group @ Multi-agency Forum on Social Transition and Agenda 2030

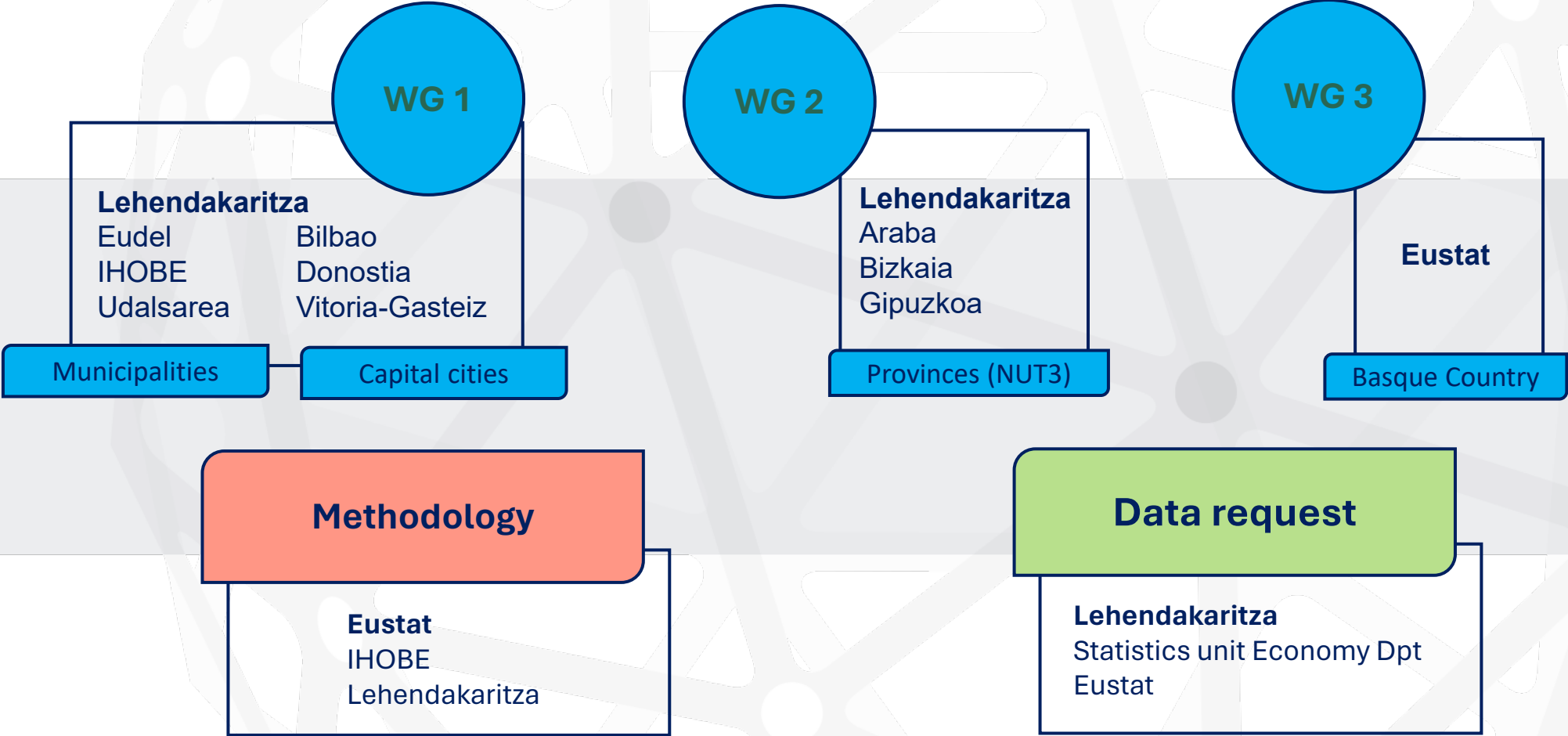
Develop a single and unique system of indicators for the monitoring and evaluation of the 2030 Agenda in the Basque Country: working together!

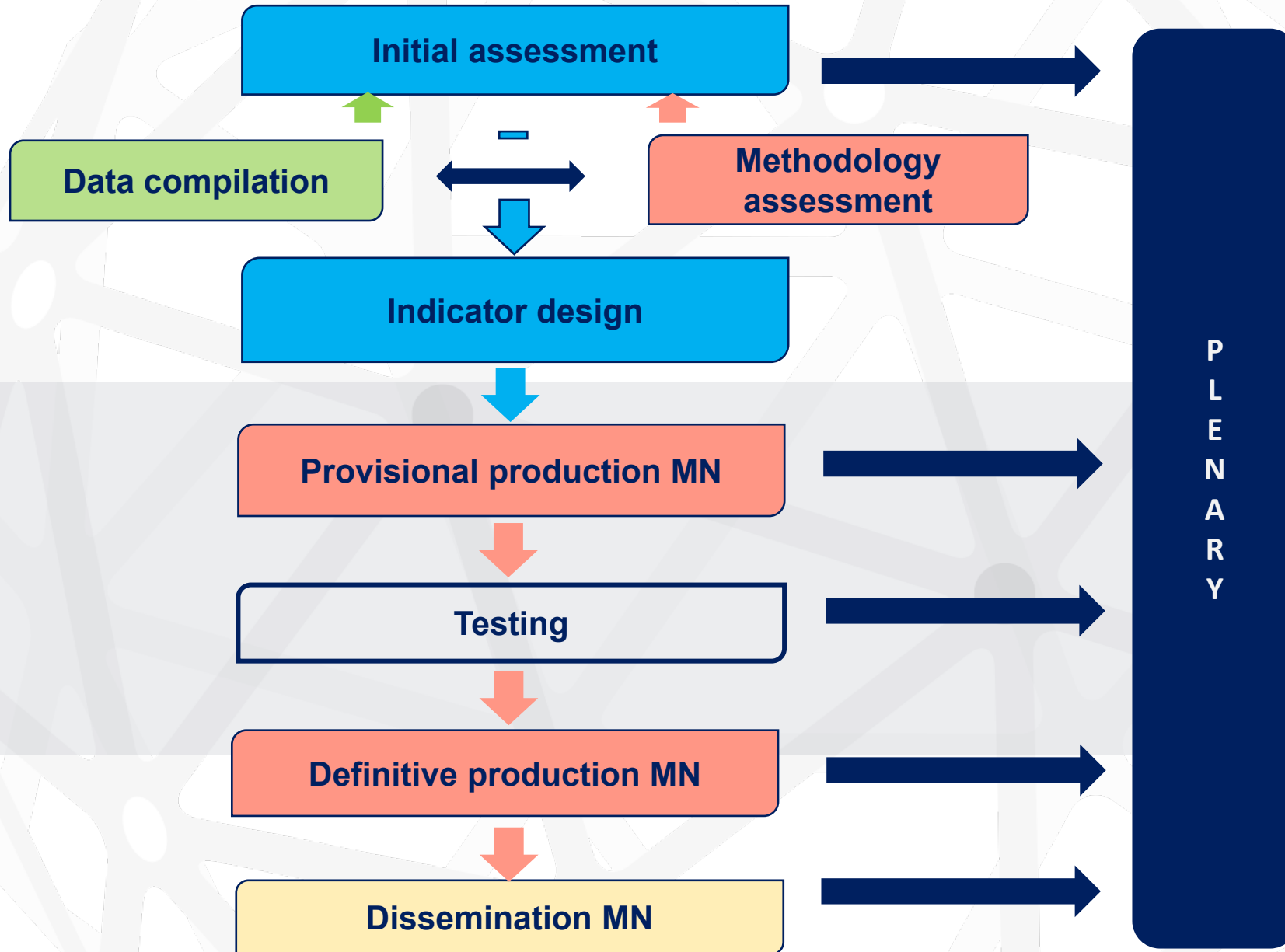
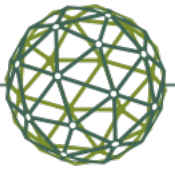
EUSTAT previously assumed the monitoring indicators of the Lehendakaritza Scoreboard

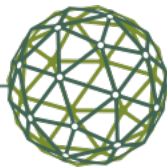
New indicators are defined in coordination, with maximum possible territorial disaggregation



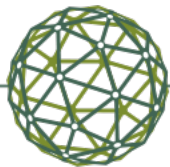
STRUCTURE AND ORGANIZATION: TECHNICAL TEAM



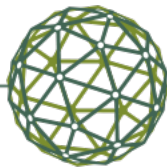




3.7.2.2	Tasa de fecundidad de las adolescentes (entre 15 y 19 años) por cada 1.000 mujeres de ese grupo de edad	
Indicador Naciones Unidas	3.7.2. Tasa de fecundidad de las adolescentes (entre 10 y 14 años y entre 15 y 19 años) por cada 1000 mujeres de ese grupo de edad	
Meta	3.7. De aquí a 2030, garantizar el acceso universal a los servicios de salud sexual y reproductiva, incluidos los de planificación familiar, información y educación, y la integración de la salud reproductiva en las estrategias y los programas nacionales	
Objetivo	3. Garantizar una vida sana y promover el bienestar de todos a todas las edades	
Definición	Nacidos vivos de madre de 15 a 19 años entre la población de mujeres residentes de esa edad a mitad del periodo considerado	
Tipo de indicador	X	Global Naciones Unidas
		Eurostat
		Específico España (INE)
		Específico CCAA
Fórmula Teórica	$TEF_{15-19\text{años}}^t = \frac{NV_{15-19\text{años}}^t}{M_{15-19\text{años}}^t} \cdot 1000$ <p>$NV_{15-19\text{ años}}^t$ = Total de nacidos vivos de madre residente de 15 a 19 años en el año t</p> <p>$M_{15-19\text{ años}}^t$ = Población media de mujeres de 15 a 19 años de edad en el año t</p> <p>Variables utilizadas:</p> <p><u>Fichero de PARTOS</u></p> <p>PROREM Código de Provincia de residencia de la Madre</p> <p>Nacidos vivos: suma de NACVN1+ NACVN2+...+NACVN6 Valor válido 1</p> <p>EDADM Edad de la madre en años cumplidos Valores válidos 15-19</p> <p><u>Cifras de Población</u></p> <p>$M_{15-19\text{ años}}^t$ Suma de mujeres de 15 a 19 años Cifras de Población-->Resultados para Comunidades autónomas</p>	



Diferencias metodológicas con el indicador nacional	En el caso de España para la cifra de nacimientos se tienen en cuenta sólo los residentes en España, se restan los residentes en el Extranjero. En el caso de las CCAA solo se tienen datos de residentes en la CCAA, con lo cual se incluyen todos los casos.	
Técnicas avanzadas utilizadas		
Unidad de medida	Tanto por mil	
Fuentes de información	Estadística de nacimientos, INE Estadística continua de población, Instituto Nacional de Estadística (INE).	
Cobertura geográfica	<input checked="" type="checkbox"/>	Comunidad Autónoma
Comparabilidad	<input checked="" type="checkbox"/>	Nacional
	<input checked="" type="checkbox"/>	Comunidades Autónomas
Cobertura temporal	2010-2018 (definitivos)	
Periodicidad		
Oportunidad		
Fecha de actualización		
Fecha próxima actualización		
Observaciones		



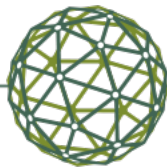
Adolescent birth rate (aged 15–19 years) per 1.000 women in this age group

United Nations indicator	3.7.2. Adolescent birth rate (aged 10–14 years; aged 15–19 years) per 1,000 women in that age group
Target	3.7. By 2030, ensure universal access to sexual and reproductive health-care services, including for family planning, information and education, and the integration of reproductive health into national strategies and programmes
Goal	Goal 3. Ensure healthy lives and promote well-being for all at all ages

Definition	Births to mothers between 15 and 19 years of age per 1.000 women in this age group
Theoretical formula	$TF_{15-19}^t = \frac{N_{15-19}^t}{P_{women,15-19}^t} \cdot 1.000$ <p>where:</p> <p>N_{15-19}^t births to mothers between 15 and 19 years of age in year t</p> <p>$P_{women,15-19}^t$ women between 15 and 19 years of age as of 1 July in year t</p>
Unit of measurement	Per 1.000
Information sources	Birth statistics, Eustat
Periodicity	Annual

Observations	
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Indicator calculated using a methodology harmonised across the central statistical bodies of the autonomous communities



1 FIN DE LA POBREZA



SDG 1

2 HAMBRE CERO



SDG 2

3 SALUD Y BIENESTAR



SDG 3

4 EDUCACIÓN DE CALIDAD



SDG 4

5 IGUALDAD DE GÉNERO



SDG 5

6 AGUA LIMPIA Y SANEAMIENTO



SDG 6

7 ENERGÍA ASEQUIBLE Y NO CONTAMINANTE



SDG 7

8 TRABAJO DECENTE Y CRECIMIENTO ECONÓMICO



SDG 8

9 INDUSTRIA, INNOVACIÓN E INFRAESTRUCTURA



SDG 9

OCECA

14

11

32

29

14

3

2

19

15

Lehendakaritza

17

4

6

10

7

5

10

17

3

Gender YES

4

2

24

18

3

0

0

10

1

Gender NO

27

13

14

21

18

8

12

26

17

Basque Country: NUTS2

11

9

21

23

5

5

6

20

5

Province: NUTS3

1

2

17

9

12

1

0

7

10

Municipality

19

4

0

7

4

2

6

9

3

TOTAL

31

15

38

39

21

8

12

36

18

GLOBAL INDICATORS

14

13

27

11

14

11

6

17

12

INFORMED

7

4

21

9

9

4

4

10

8

COVERAGE (%)

50%

31%

78%

82%

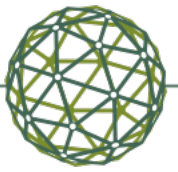
64%

36%

67%

59%

67%



10 REDUCCIÓN DE LAS DESIGUALDADES



SDG 10

11 CIUDADES Y COMUNIDADES SOSTENIBLES



SDG 11

12 PRODUCCIÓN Y CONSUMO RESPONSABLES



SDG 12

13 ACCIÓN POR EL CLIMA



SDG 13

14 VIDA SUBMARINA



SDG 14

15 VIDA DE ECOSISTEMAS TERRESTRES



SDG 15

16 PAZ, JUSTICIA E INSTITUCIONES SÓLIDAS



SDG 16

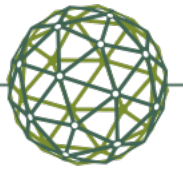
17 ALIANZAS PARA LOGRAR LOS OBJETIVOS



SDG 17

TOTAL

	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17	TOTAL
OCECA	7	12	3	5	0	4	32	25	227
Lehendakaritza	4	9	9	0	1	3	5	1	111
Gender YES	1	2	0	1	0	0	14	8	88
Gender NO	10	19	12	4	1	7	23	18	250
Basque Country: NUTS2	5	8	4	4	1	4	8	16	155
Province: NUTS3	3	7	8	0	0	0	28	9	114
Municipality	3	6	0	1	0	3	1	1	69
TOTAL	11	21	12	5	1	7	37	26	338
GLOBAL INDICATORS INFORMED	11	15	13	8	10	14	23	25	244
COVERAGE (%)	45%	60%	38%	25%	10%	36%	30%	44%	50%



On 25 September 2015, the 193 Member States of the United Nations adopted the 2030 Agenda for Sustainable Development, with 17 goals and 169 targets. 247 global indicators have been developed that require a framework of specific indicators to quantify and monitor them. Eustat is fully committed to defining and continuously adapting and calculating them in line with the central role that the UN General Assembly conferred on official data and statistics in its resolution 71/313.

Eustat has incorporated a large number of indicators following a methodology that has been harmonised across the central statistical bodies of the Autonomous Regions, thereby ensuring the full direct comparability of these indicators at the regional level. [Agreement of the central statistical bodies of the Autonomous Regions \(pdf, 14Kb\)](#).

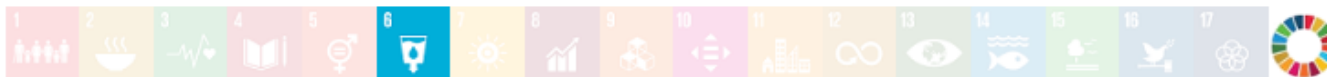
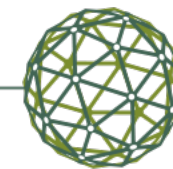


[Access to the press releases.](#)

Select a goal provided below to access the indicators.

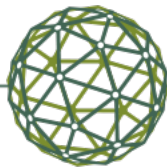


The indicator framework is constantly growing, both in terms of number and level of disaggregation, in line with Eustat's explicit aim to provide high-quality information that is integrated and comparable over time and in scope, and adapted to the monitoring needs of our society.



GOAL 6: Ensure availability and sustainable management of water and sanitation for all

TARGET 6.1 By 2030, achieve universal and equitable access to safe and affordable drinking water for all							
6.1.1 Proportion of population using safely managed drinking water services							
		Breakdown	Unit	Year	Data	Base year	Base data
		Territorial Sex					
Percentage of the population that receives supply with Coverage of the National Drinking Water System	←		%	2022	76.1	2016	82.6
Total water demand per inhabitant and day	→		Litres per capita per day	2019	177.60	2015	179.28
Sanitary qualification of drinking water	=		Index	2022	3	2015	3
TARGET 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally							
6.3.2 Proportion of bodies of water with good ambient water quality							
		Breakdown	Unit	Year	Data	Base year	Base data
		Territorial Sex					
Quality of river water bodies	←		%	2022	45.3	2015	45.5
Quality of surface water bodies	→		%	2022	50.3	2015	48.1
TARGET 6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity							
6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources							
		Breakdown	Unit	Year	Data	Base year	Base data
		Territorial Sex					
Water consumption	←		m3	2022	178,506,380	2013	177,555,343



GOAL 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

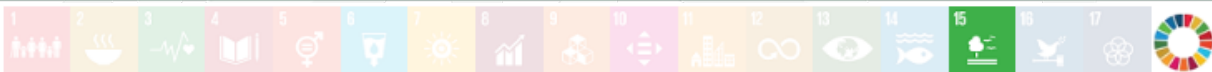
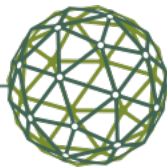
TARGET 4.1 By 2030, ensure that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes

4.1.1 Proportion of children and young people (a) in grades 2/3; (b) at the end of primary; and (c) at the end of lower secondary achieving at least a minimum proficiency level in (i) reading and (ii) mathematics, by sex

		Breakdown		Unit	Year	Data	Base year	Base data
		Territorial	Sex					
Illiteracy rate of the population between 10 and 14 years of age	=		✓	%	2021	0.00	2015	0.00
Illiteracy rate of the population aged 10 or over	→		✓	%	2021	0.30	2015	0.40
Proportion of 15-year-olds who have achieved at least level 2 proficiency in reading	←		✓	%	2018	76.96	2015	82.56
Proportion of 15-year-olds who have achieved at least proficiency level 2 in mathematics	→		✓	%	2018	81.89	2015	80.47

4.1.2 Completion rate (primary education, lower secondary education, upper secondary education)

		Breakdown		Unit	Year	Data	Base year	Base data
		Territorial	Sex					
Early school leaving rate of the population aged 18-24	→		✓	%	2019	8.80	2015	10.20
Proportion of population aged 10 and over with primary education	→			%	2021	29.26	2015	33.81
Proportion of population aged 10 and over with professional studies	→			%	2021	20.01	2015	17.36
Proportion of population aged 10 and over with secondary education	→			%	2021	21.82	2015	21.65
Proportion of the population aged 10 and over with medium-higher education	←			%	2021	6.78	2015	7.54



15 LIFE ON LAND

15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements

15.1.1 Forest area as a proportion of total land area

[Previous indicator](#) 1 / 5 [Next indicator](#)

Forest area in proportion to the total area (1 / 2)

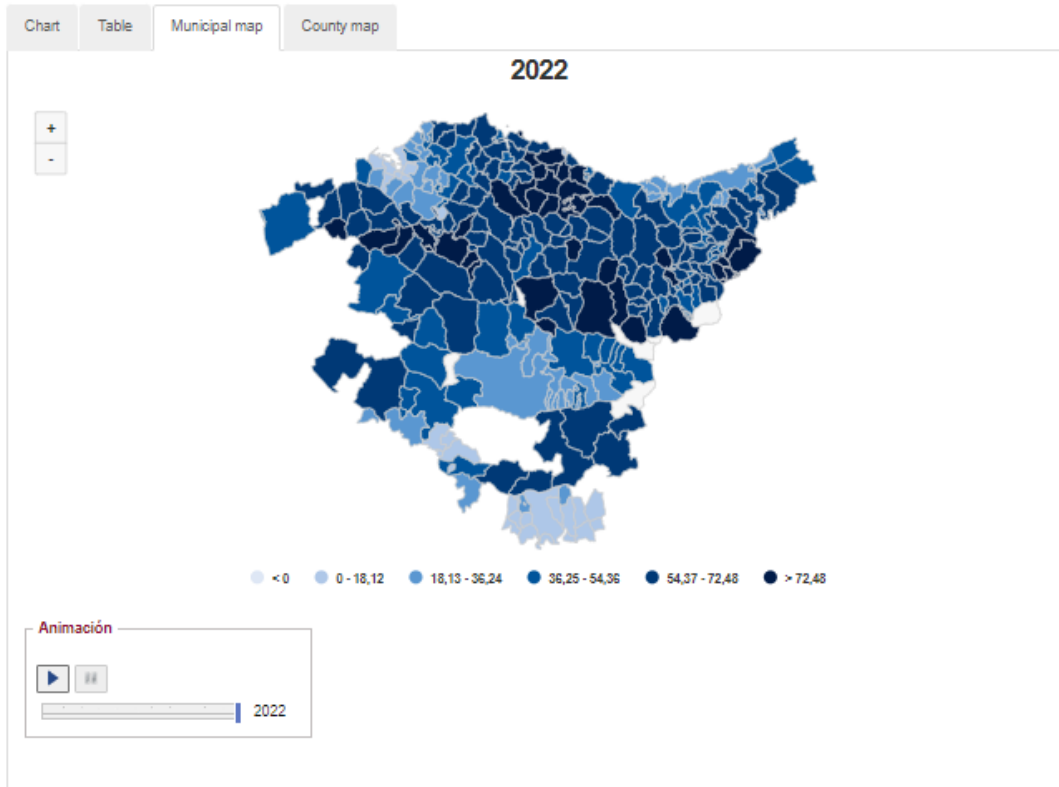
[Previous](#) 1 / 2 [Next](#)

Last period: 2022

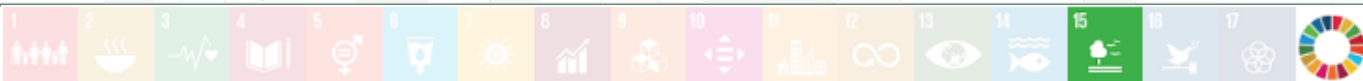
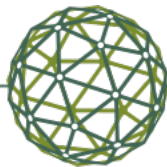
54,80

Unit: %
Base data: 54,95 (2016)

Territorial breakdown ▾



- [Download map image](#)
- [Download CSV of the selection](#)
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- [Methodology](#)



15

LIFE ON LAND



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Previous indicator

1 / 5

Next indicator

Forest area in proportion to the total area (1 / 2)

Previous

1 / 2

Next

Last period: 2022

54,80

Unit: %

Base data: 54,95 (2016)

Territorial breakdown

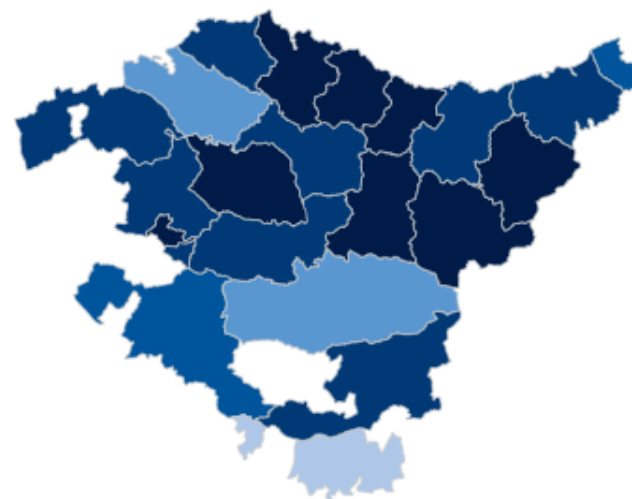
Chart

Table

Municipal map

County map

2022

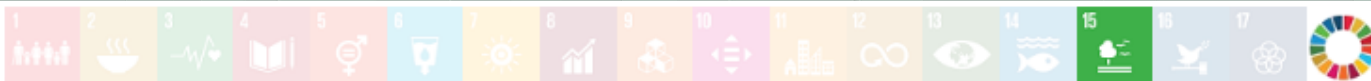
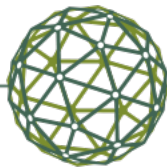


< 12,18 12,18 - 25 25,01 - 37,81 37,82 - 50,63 50,64 - 63,44 > 63,44

Animación



2022



15 LIFE ON LAND

15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements

15.1.1 Forest area as a proportion of total land area

[Previous indicator](#) 1 / 5 [Next indicator](#)

Forest area in proportion to the total area (1 / 2)

[Previous](#) 1 / 2 [Next](#)

Last period: 2022

54,80

Unit: %
Base data: 54,95 (2016)

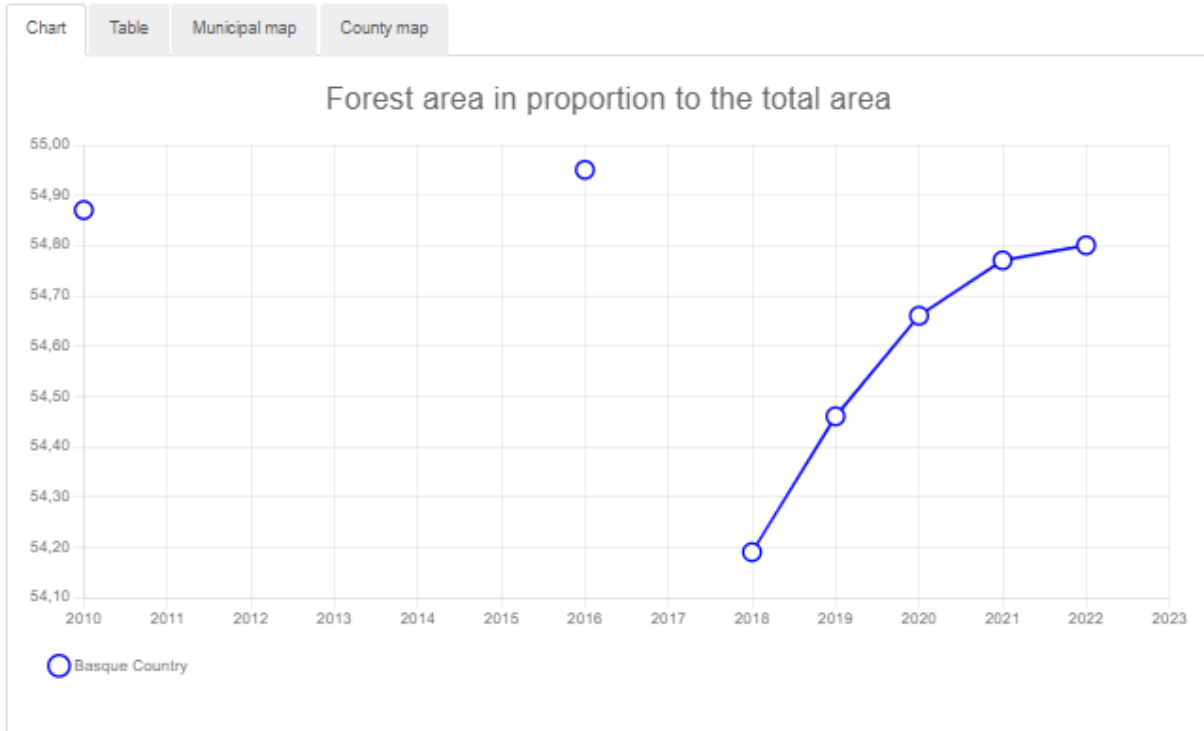
Territorial breakdown

Araba/Álava Bizkaia Gipuzkoa

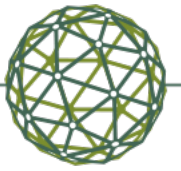
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C.A. de Euskadi



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Goes on and on

WORKING GROUPS: CITE, OCECAS

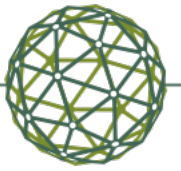
- Harmonizing methodology
- Searching new indicators
- Global database

TECHNICAL TEAM OF THE GOVERNANCE WG

- Disaggregation of existing indicators
- New indicators
- Next VNR

EUSTAT

- Not applicable/relevant indicators
- Statistics Annex of the VNR
- Progress indicators
- Rescaling/resizing the platform



<https://en.eustat.eus/indicators/sdg.html>