

Working group on Geospatial Information

December, 2017 - New-York



Relevant data to produce SDG indicators in France

Frédéric VEY

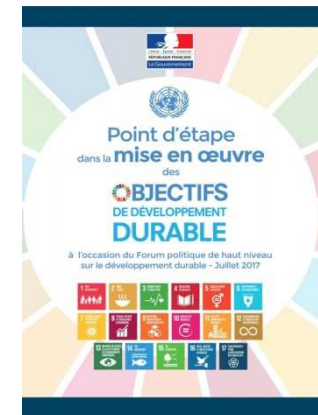
Office manager - Ministry of ecology and solidarity
transition (FRANCE)





The implementation of SDGs in France

- ❑ Political coordination by two Ministries : Ecology and Foreign affairs.
- ❑ France reported two times at the High Level Political Forum : in **2016** with a 2030 Agenda **implementation report** and in **2017** with a **progress report** .
- ❑ The government closely associates civil society and stakeholders.
- ❑ Work is underway to **select indicators** to monitor the implementation of the SDGs.

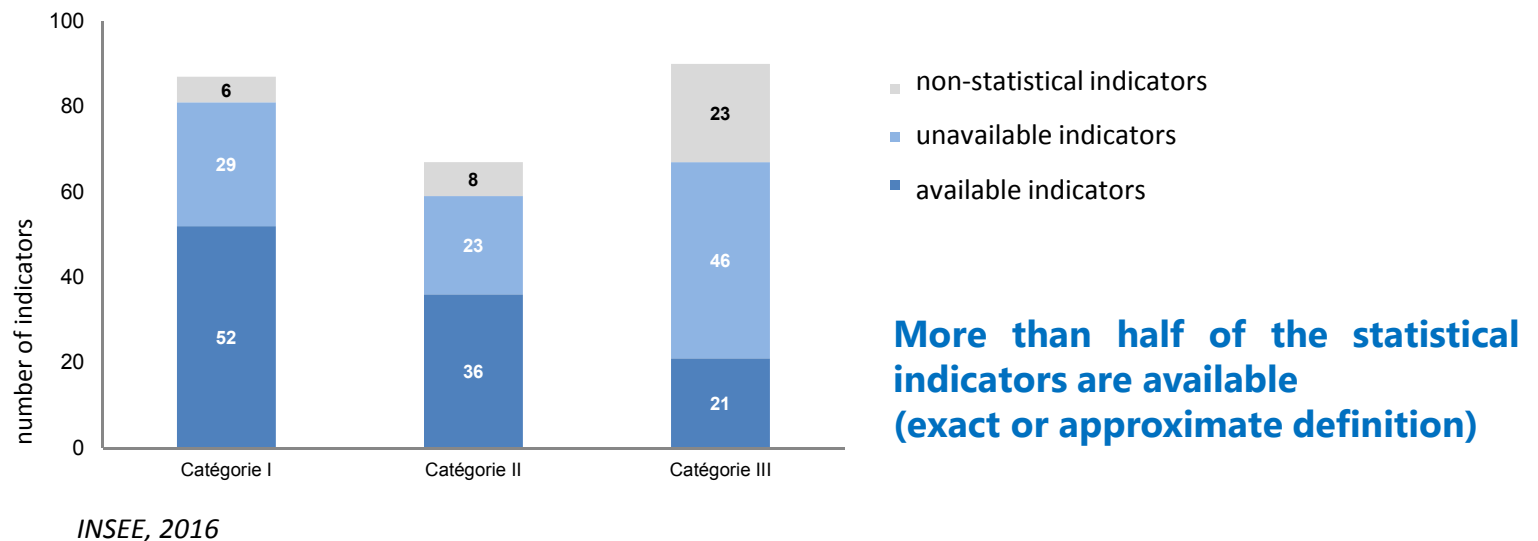




Indicators for SDGs monitoring

The work done :

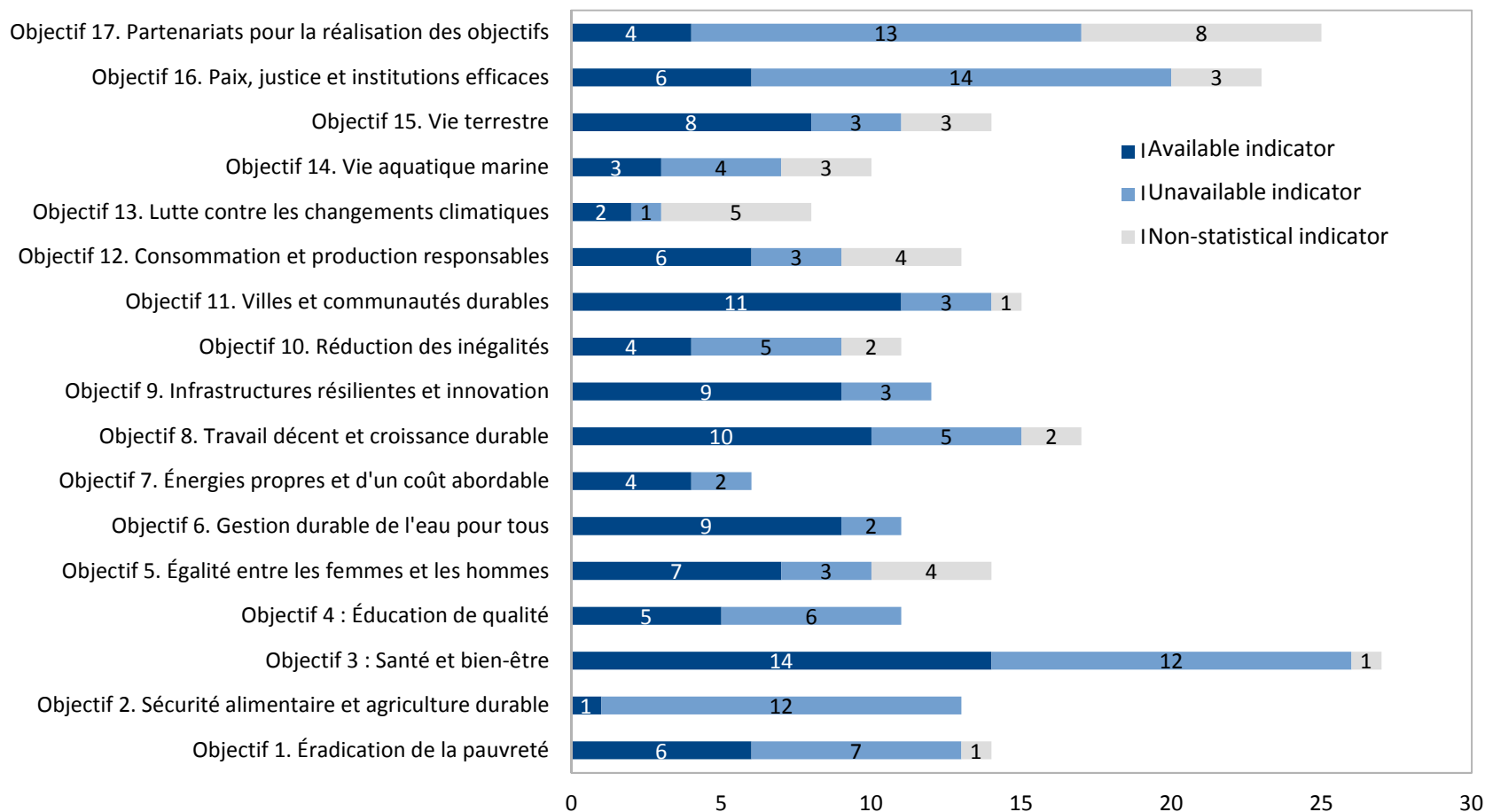
1. Identify the **relevant statistical offices** for each SDG indicator (14 statistical offices identified).
2. Identify the indicators that are currently **available** (exact definition or close definition) and those that are **not available**.





Indicators for SDGs monitoring

Availability of SDG indicators in France





Indicators already existing

Public policies	Number of the associated indicators
National Ecological Transition Strategy for Sustainable Development 2015-2020	72 indicators
National low-carbon strategy 2015-2028	60 indicators
National Strategy for Biodiversity 2011-2020	90 indicators
National Strategy for Adaptation to Climate Change	24 indicators



Indicators for SDGs monitoring

3. Publish the values of the available indicators :

Goal 3: Good health and well-being Ensure healthy lives and promote well-being for all at all ages												
Target	UN indicator	National indicator	Unit	Years						Scope - Note	Source	To learn more about the national indicator
				2010	2011	2012	2013	2014	2015			
3.1 By 2030, reduce the global maternal mortality ratio to less than 70 per 100,000 live births	3.1.1 Maternal mortality ratio	Maternal mortality rate	Per 100,000 live births	8.5	6.1	6.3	5.5	5.1		Metropolitan France and Overseas departments	Insee - CépiDc, Insee	CépiDc: Interrogation des données sur les causes de décès Rose H: Démographie - Naissances vivantes - France (inclut Mayotte à partir de 2010)
	3.1.2 Proportion of births attended by skilled health personnel											
3.2 By 2030, end preventable deaths of newborns and children under 5 years of age, with all countries aiming to reduce neonatal mortality to at least as low as 12 per 1,000 live births and under-5 mortality to at least as low as 25 per 1,000 live births	3.2.1 Under-five mortality rate	Mortality rate of children aged 1 to 4	Number of deaths per 1,000 inhabitants	0.27	0.27	0.27(p)	0.27(p)	0.27(p)		Metropolitan France and Overseas departments (excluding Mayotte) : p: provisional	Insee, vital statistics	Insee H: Taux de mortalité pour 1000 personnes - Ensemble - De 1 à 4 ans - France hors Mayotte
	3.2.2 Neonatal mortality rate	Infant mortality rate	Per 1,000 live births	3.6	3.5	3.5	3.6	3.5	3.7	Metropolitan France and Overseas departments, including Mayotte since 2014	Insee, vital statistics	Insee H: Taux de mortalité infantile en 2016
3.3 By 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected tropical diseases and combat hepatitis, water-borne diseases and other communicable diseases	3.3.1 Number of new HIV infections per 1,000 uninfected population, by sex, age and key populations	Discovery of HIV seropositivity by sex and by year of diagnosis	All Women Men	4 803 1 000 3 203	4 737 1 011 3 196	4 899 1 018 3 371	4 718 1 401 3 227	4 783 (p) 1 430 (p) 3 294 (p)	3 448 (p) 1 007 (p) 2 382 (p)	Metropolitan France and Overseas departments : p: provisional	INVS	INVS - Base de données VIH
	3.3.2 Tuberculosis incidence per 100,000 population	Tuberculosis declaration rate	Per 100,000 population	8.0	7.7	7.6	7.5	7.3		Metropolitan France and Overseas departments, including Mayotte since 2011	INVS, Insee	INVS: L'épidémiologie de la tuberculose en France en 2010
	3.3.3 Malaria incidence per 1,000 population										INVS	
	3.3.4 Hepatitis B incidence per 100,000 population	Estimate of incidence of hepatitis B in France	Per 100,000 population				0.44			Metropolitan France and Overseas departments	INVS, Labohep triennial surveys	INVS: Incidence et modes de transmission de l'hépatite B après diagnostic en France, 2012-2014
	3.3.5 Number of people requiring interventions against neglected tropical diseases										INVS	
3.4 By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being	3.4.1 Mortality rate attributed to cardiovascular disease, cancer, diabetes or chronic respiratory disease	Death rate due to: Diseases of the circulatory system Tumours Diabetes mellitus Asthma and other chronic diseases of the lower respiratory tract	Per 100,000 population	224.3 249.2 17.3 14.2	216.2 247.9 17.5 14.5	220.0 249.9 17.8 14.5	216.3 249.9 17.8 14.5	209.7 250.7 17.2 14.6		Metropolitan France and Overseas departments	Insee - CépiDc	CépiDc: Interrogation des données sur les causes de décès
	3.4.2 Suicide mortality rate	Death rate due to suicide	Per 100,000 population	16.2	16.2	15.1	14.9	13.6		Metropolitan France and Overseas departments	Insee - CépiDc	CépiDc: Interrogation des données sur les causes de décès
3.5 Strengthen the prevention and treatment of substance abuse, including narcotic drug abuse and harmful use of alcohol	3.5.1 Coverage of treatment interventions (pharmaceutical, psychosocial and rehabilitation and aftercare services) for substance use disorders										OFDT	
	3.5.2 Harmful use of alcohol, defined according to the national context as alcohol per capita consumption (aged 15 years and older) within a calendar year in litres of pure alcohol	Quantity of alcohol consumed per inhabitant aged 15 and over	In pure alcohol live equivalent	12.3	12.4	12.2	11.7	12.0	11.9	Metropolitan France and Overseas departments	Insee	Observatoire français des drogues et des toxicomanies: alcool: évolution des quantités consommées par habitant
3.6 By 2020, halve the number of global deaths and injuries from road traffic accidents	3.6.1 Death rate due to road traffic injuries	Number of persons killed in road accidents		3 992	3 993	3 645	3 286	3 384	3 481	Metropolitan France and Overseas departments	ONISR	La sécurité routière: Bilan annuel

dashboard published on the internet

INSEE Institut national de la statistique et des études économiques

Menu • Consensus • Press area • Help and contact • Français

All the website Search the website

STATISTICS DEFINITIONS, METHODS AND QUALITY SERVICES

INSEE AND OFFICIAL STATISTICS

Home > Statistics > Indicators for monitoring sustainable development goals

Indicators for monitoring sustainable development goals

17 sustainable development goals

DETAILED FIGURES
Published on: 23/08/2017
Print

The UN General Assembly has adopted 17 sustainable development goals (SDG), subdivided into 169 targets for 2015-2030. They are to be monitored according to an initial list of 244 indicators.

These goals and targets make up a common roadmap for all States for the transition towards sustainable development. Consultation has begun, under the aegis of the National Council for Statistical Information (CNIS), to put forward appropriate indicators for monitoring implementation of the SDGs at national level.

To achieve this, statistical indicators already available at national level for the 244 international indicators, in an exact or approximate version, have been identified and collected within the Official Statistical Service (SSP), the Banque de France and the Ministry for Europe and Foreign Affairs.

INSEE, which coordinates the statistical work on the indicators for France, produced a **leaflet** on the SDGs monitoring.

PRESENTATION DOCUMENTATION

Table of contents

Global list of indicators

Goal 1: End poverty

Goal 2: Food security and sustainable agriculture

Global list of indicators
Indicators for monitoring sustainable development goals

DETAILED FIGURES
Published on: 03/07/2017

Download the global list of indicators

pdf, 313 Ko

page on SDGs



Indicators for SDGs monitoring

Work in progress :

4. **Develop a national list of indicators** for monitoring the SDGs → working group (The National Council for Statistical Information).



Selection of the most relevant
SDG indicators for France



Proposal of alternative or
complementary indicators



Consultation of civil society





Indicators for SDGs monitoring

The work to be done :

5. Publish the indicators **dashboard** for monitoring France's commitment to SDGs



**HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT**



Geospatial information and monitoring of the SDGs in France

List of AVAILABLE indicators using geospatial information :

in an EXACT definition

UN Indicator	Tier
6.3.2 - Proportion of bodies of water with good ambient water quality	3
6.5.2 -Proportion of transboundary basin area with an operational arrangement for water cooperation	2
9.c.1 - Proportion of population covered by a mobile network, by technology	1
11.3.1 - Ratio of land consumption rate to population growth rate	2
15.1.1 - Forest area as a proportion of total land area	1



Geospatial information and monitoring of the SDGs in France

List of AVAILABLE indicators using geospatial information :

in an CLOSE definition

UN Indicator	Tier
2.4.1 Proportion of agricultural area under productive and sustainable agriculture	3
11.2.1 Proportion of population that has convenient access to public transport, by sex, age and persons with disabilities	2
14.2.1 Proportion of national exclusive economic zones managed using ecosystem-based approaches	3
14.5.1 Coverage of protected areas in relation to marine areas	1
15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type	1
15.3.1 Proportion of land that is degraded over total land area	3



Geospatial information and monitoring of the SDGs in France

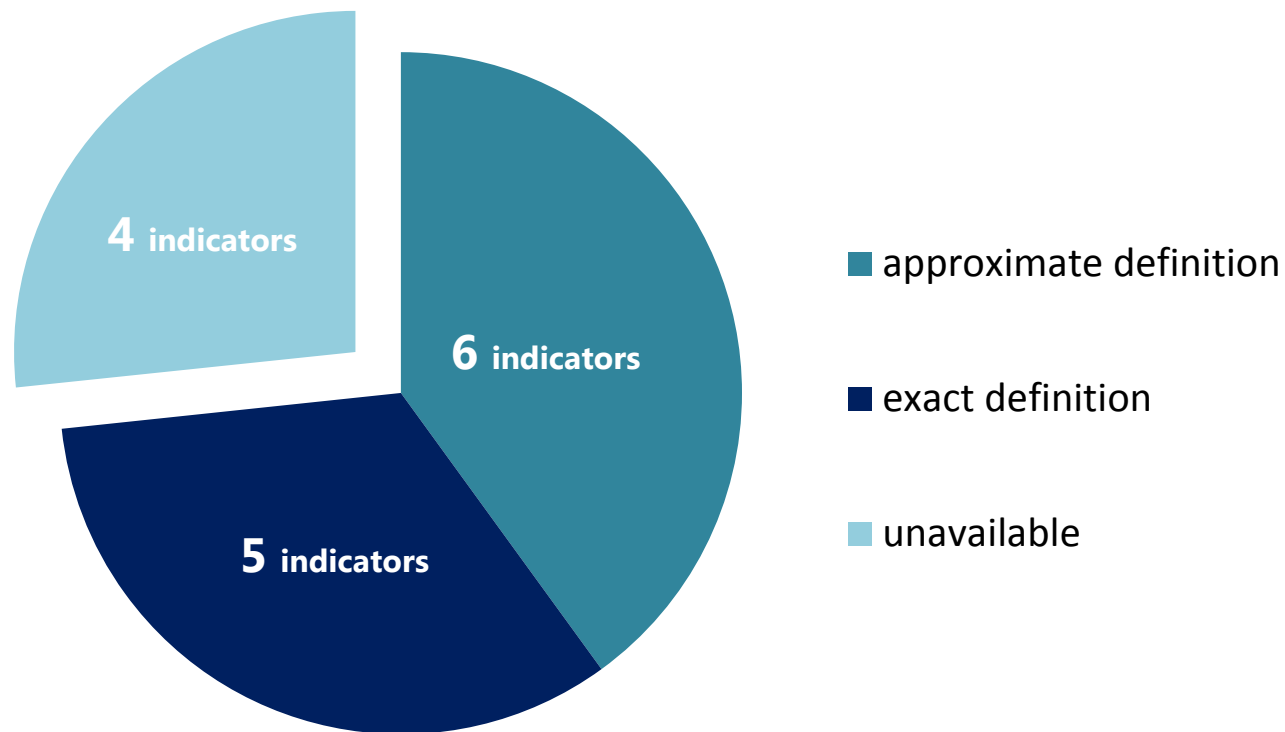
List of UNAVAILABLE indicators using geospatial information :

UN Indicator	Tier
6.6.1 Change in the extent of water-related ecosystems over time	3
9.1.1 Proportion of the rural population who live within 2 km of an all-season road	3
11.7.1 Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons with disabilities	3
15.4.1 Coverage by protected areas of important sites for mountain biodiversity	1



Geospatial information and monitoring of the SDGs in France

Availability of the 15 SDG indicators using geospatial information):





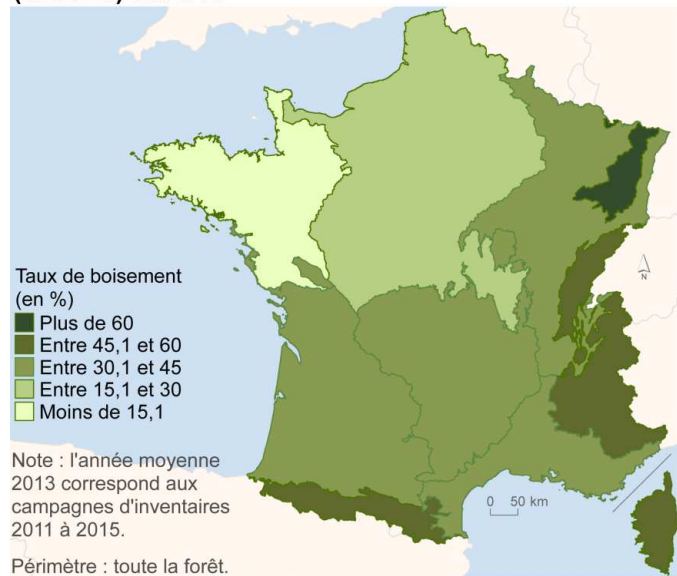
Example of indicator using geospatial information in France



15.1.1 | Tier 1 – Exact definition in France

Forest area as a proportion of total land area

Taux de boisement par grande région écologique (GRECO) en 2013



ONB Visuel ONB, d'après :

Origine des données : IGN, nouvelle méthode d'inventaire forestier, fond GRECO
Traitements : Ecofor, 2017

- Method coupling an inventory work carried out by **photo-interpretation** and a **fieldwork** including the verification of the cover and the use of the ground.
- A sub-sample of about **8,500 points** in the forest is visited each year.



Example of indicators using geospatial information in France



15.3.1 | Tier 3 – available in a close definition in France

Proportion of land that is degraded over total land area

The calculation method for indicator 15.3.1 is based on the analysis of available data for the following **three sub-indicators** :

- ✓ land cover and changes in land cover,
- ✓ **land productivity**, and
- ✓ carbon stocks above and below ground

→ **3 methods** to determine land cover and land cover changes in France



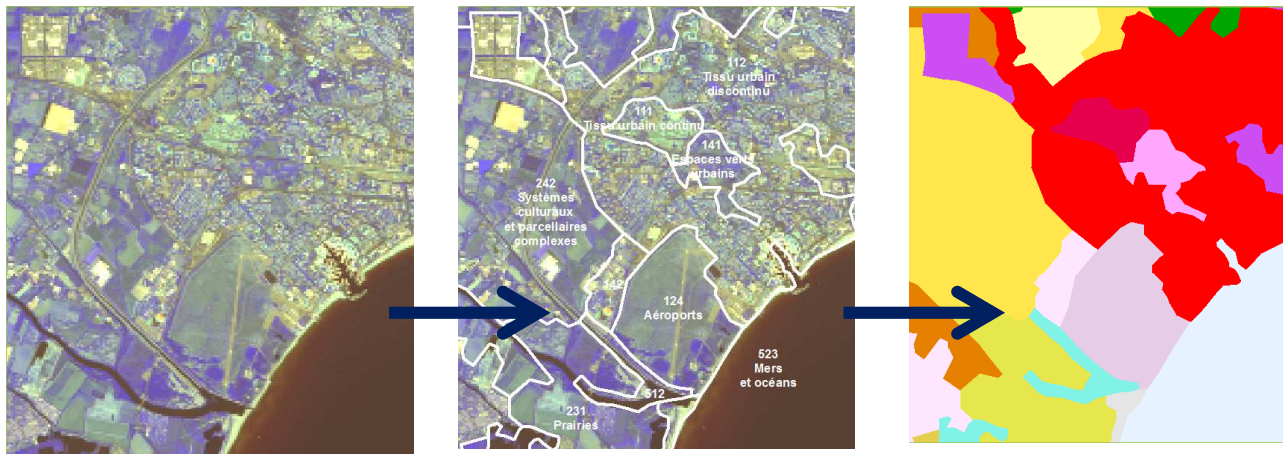


Method 1 : CORINE Land Cover

- ❑ **Geographic database.**
- ❑ Service of the **European Copernicus program** (EEA).
- ❑ **Photo-interpretation of satellite images.**
- ❑ **Scale : 1:100 000** – Land cover represented by polygons of 25 ha.
- ❑ Nomenclature : **44 categories** of land cover.
- ❑ **Every 6 years** (2000, 2006 and 2012).



Artificialization rate
: 5,6 %

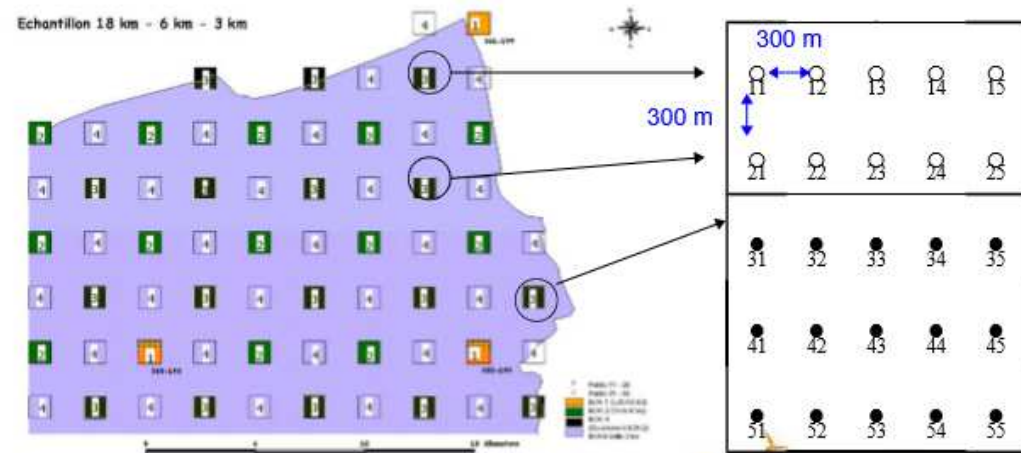




Method 2 : Teruti-Lucas survey

- ❑ **Annual statistical survey** (Ministry in charge of agriculture) and articulated with the **European LUCAS survey**.
- ❑ Observation in the field of a **sample of points distributed all over the territory** (equidistributed points and systematic draw).
- ❑ Sample of 309 000 location-based measurement points.
- ❑ **Disaggregation at regional level** (loss precision).
- ❑ Nomenclature : **57 categories** combining land cover and land use.
- ❑ High cost.

Artificialization rate
: 9,1 %

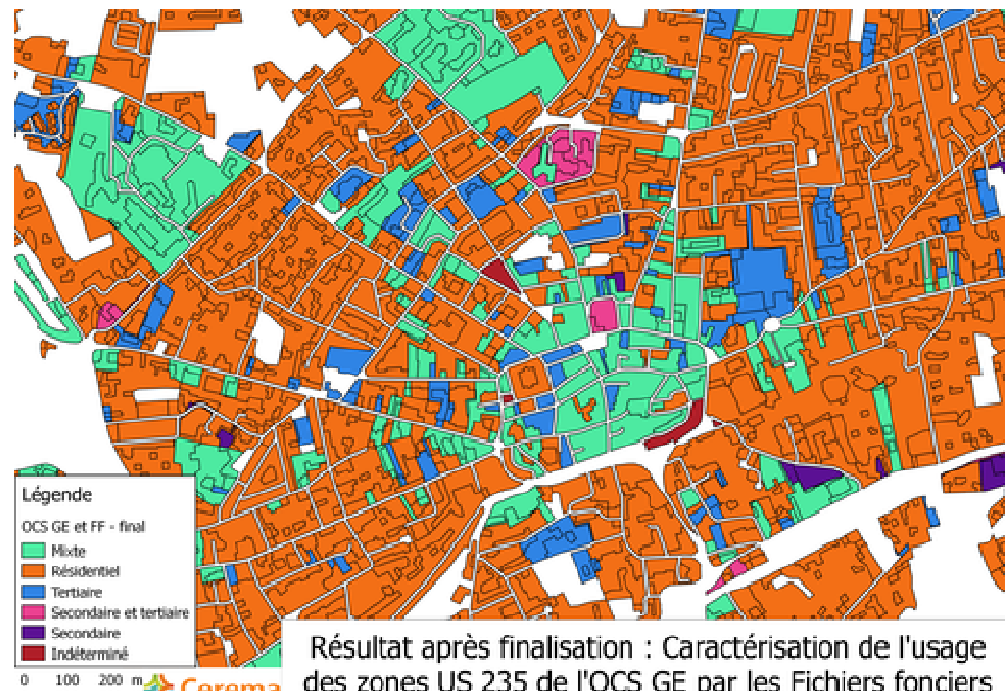




Method 3 : Land files (tax database)

- ❑ Method based on data from **tax declarations** (built and unbuilt properties).
- ❑ Private land properties. Not concern the public domain.
- ❑ Evolution of built-up areas (excluding transport infrastructures).
- ❑ Nomenclature : **13 categories** of land cover.

Artificialization rate
: 9,4 %





Comparison of the 3 methods

	Corine Land Cover	Teruti-Lucas survey	Land files
Artificialization rate	5,6 %	9,1 %	9,4 %
Positive points	<ul style="list-style-type: none"> > Completeness > OK for disaggregation at fine level 	<ul style="list-style-type: none"> > Quality of data (field observations) > Precision 	<ul style="list-style-type: none"> > Cost independent > Availability of data > Accurate to the plot
Negative Points	<ul style="list-style-type: none"> > Data's frequency > High cost > Low resolution (20 m) > Large observation units (25 ha) 	<ul style="list-style-type: none"> > Angle > High cost > Disaggregation at regional level, but not less 	<ul style="list-style-type: none"> > Undifferentiated agricultural area / natural area > Not taking into account non-registered areas



What are the issues and challenges for monitoring SDG indicators ?

Issues :

- 1. Coordination (national statistical offices) and consultation (civil society...).**
- 2. Impact of national indicators lists (alternative and complementary indicators) ? It does not replace the reporting requirements on the 232 UN indicators.**
- 3. Nomenclatures and classifications of datas (15.3.1).**

Challenges :

- 1. Selection of a list of indicators adapted to the national situation.**
- 2. Expertise on UN Metadata and Tier reclassification proposals.**



Thank you

Website of Ministry ecology and solidarity transition :

www.ecologique-solidaire.gouv.fr

Website of Service of Data and Statistics:

www.statistiques.developpement-durable.gouv.fr

Website of INSEE :

<https://www.insee.fr/fr/statistiques/2654964>

