







Review of existing Repositories & Inventories of Species and Habitats in French Outermost Regions

Guillaume Gigot & Julien Touroult (Muséum national d'Histoire naturelle, UMS Patrimoine naturel, Paris)







French Outermost Regions (ORs)







What do we do

Species taxonomic repository (TAXREF)

Habitats repository (HABREF)

Inventory of Natural Areas of Ecological, Fauna and Flora Interest (ZNIEFF)

Species and ecosystems conservation status (Red Lists)

National inventory of species (Atlas, inventories ...)

National Inventory of the Natural Heritage (INPN)

for overseas territories:

~ 600 000 species distribution data

~ 3000 species in national Red List

~ 260 protected areas

37 habitats classification systems









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French Version Login Create an account?



ABOUT

LATEST NEWS

CONTEXT

* > Programmes











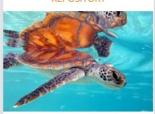
PROGRAMS

TAXONOMIC REPOSITORY (TAXREF)



Taxonomic repositories for flora and fauna of metropolitan France and overseas territories

REGULATED SPECIES REPOSITORY



Repository on the regulation of species in metropolitan France and overseas territories.





















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and















PROTECTED AREAS



National basis of the areas providing protection or management of natural heritage.

ZNIEFF



O Inventory of Natural Areas of Ecological, Fauna and Flora Interest (ZNIEFF).

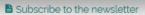


National basis of the Natura 2000 network.









email@exemple.com

Ok

How we did it

Short but detailed study (2017)

Collective expertise / reviewing existing information

Datasets, repositories, classification systems

already available at national level





ZONE¤	TERRITOIRE	VÉGÉTATIONS¤	HABITATS#	FORMATIONS: VÉGÉTALES¤	OCCUPATION:DU-SOL¤	UNITES- PAYSAGÈRES¤
Atlantique-nord- ouest¤	Saint-Pierre-et- Miquelon¤	°g	MULLER: et: gl., 2011°: 118¤	BOSSEAUX,·1965°.·~10¤	°t	AUBERT-DE-LA-RÜB 1951°:-n.c.¤
Caraïbess	Guadeloupe¤	ROUSTEAU, 1996*-57# STEHLE, 1936-&-1937*- 37#	HOFF-(coord.),-1997-:- 515¤	IGN, ONF, CG971, FEDER, 2010': 17#	CORINE-Land-Cover::50 CHEULA-et-al2012::-7	Atlas-des paysages 25¤
	Martinique¤	PORTÉCOP, 1979 % 80 %	HOFF- (coord.),· 1997- :- 515#	<u>IFN,-2004-:-10</u> ⊭	CORINE-Land-Cover-:-50¤	LAUNE, 2012:-27
	Saint-Martin-&- Saint-Barthélemy¤	'n	HOFF- (coord.),- 1997- :- 515¤	⁹ #	CHEULA-et-al.,-2012:-7	⁹ d
Côte-atlantique- d'Amérique-du- sud-équatorialex	Guyane¤	HOFF, 1993 : 170¤	HOFF- (coord.),· 1997- :- 515¤	GOND: et: al.,: 20115:	CORINE·Land·Cover·:·50¤	GUITET-et-al.,-201 &-2015*:-25¤
			<u>GUITET· et· al.,· 2015*:</u> · <u>41</u> ¤	<u>12(331</u> µ	ONF,·2013°:·61¤	DEAL, 2009 :- 11 #
Océan-Indienਸ਼	Mayotte¤	BOULLET,∙2005a°:- ~200⊭	BOULLET, 2005b°:-379¤ FADUL, 2011-:-210¤	LAINE,·2010°:·26¤	CORINE·Land·Cover·:·50¤	Ħ
	La-Réunion¤	DELBOSC·et·al.,·2011·;· LACOSTE· et· al.,· 2011a,b·et·2014··261¤	LACOSTE-et-al., 2014* 373¤	'n	CORINE·Land·Cover·:·50¤	DIREN- RÉUNION
		CADET,-1980°:-n.c.¤	STRASBERG, et al.,			







Knowledge of habitats



Some tools and mapping for almost all ORs

Heterogeneous, no commun language between classification systems and mapping

Priorities: marine habitats / a general classification system?

		Région Caraïbe	е	Région Amazonie	Région Océan Indien		
	Martinique	Guadeloupe	Saint-Martin	Guyane	La Réunion	Mayotte	
Référentiel	T C	T C	T C	T C	T C	T C	
Végétation							
Habitats							
Formations							
végétales							
Occupation							
du sol							
Unités							
paysagères							

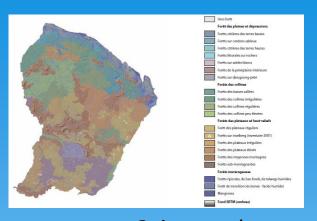
Terrestrial













Guitet et al. 2015

Legrand, 2010





Portecop, 1979

AAMP, 2013





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Habitats and conservation issues

- Ongoing work in ORs / quite good coverage
- Implementation rate too moderate /needs updating / lack of a shared classification system



Natural Areas of Ecological, Fauna and Flora Interest (ZNIEFF)



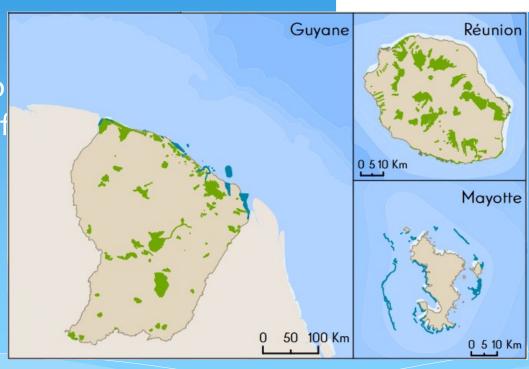


Habitats and conservation issues

Ongoing work in ORs / quite good

coverage

Implementation rate to needs updating / lack of classification system



ZNIEFF de type I

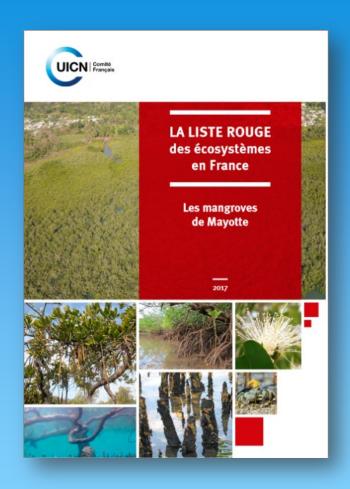
ZNIEFF marine

ZNIEFF continentale









- Ongoing project with first results
- Difficult to connector associate with other geographical levels

Priorities: complete Mangroves, carry on with new assessments





Species and taxonomic repository

Quite well up-todate for main groups

> need for continuous updating / Fungi, algae, some invertébrates...

	Région Caraïbe			Région	Région Océan Indien	
	9			Amazonie		
N b total d'esoèces	Martinique 4730	Guadeloupe 7343	Saint-Martin 1186	Guyane 25969	La Réunion 7193	Mayotte 2312
No d'espèces endémiques et sub- endémiques	605	1327	62	1894	1457	2512
N b d'espèces introduite ou envahissantes	359	418	122	323	1783	205
Nb d'espèces décrites de puis 2000	93	138	12	1944	350	94
Angiospermes	1621	1730	485	5016	2160	786
Fougères	246	296	2	343	276	76
Mousses	155	244	0	1	289	5
Oiseaux	172	288	136	807	134	128
Mammifères	20	24	22	196	18	15
Herpétofaune	40	72	27	290	33	28
Poissons	46	35	6	440	68	48
Lépidoptères	307	458	128	6090	624	153
Odonates	30	39	9	244	23	34
Coléoptères	383	1406	74	6211	973	167
Hyménoptères Apoidea	18	21	7	320	17	10
Trichoptères, Plécoptères, Ephéméroptères	24	52	0	58	11	9
Gastéropodes	86	87	52	94	117	88
Arachnides	81	200	36	511	121	26
Champignons	4	9	0	829	0	0

TAXREF V 10.0 Terrestrial





Species and conservation status

Thousands of assessments available

Invertebrates, Fungi, Marine species





Species National Red List

	Caribbean reg.			Amazon reg.	Indian Ocean reg.	
	Martinique	Guadeloupe	St Martin	Guyane	La Réunion	Mayotte
Vertebrates						
Invertebrates						
Vasc. Flora						
Bryo. & Algae						
Fungi						

Mainly terrestrial species





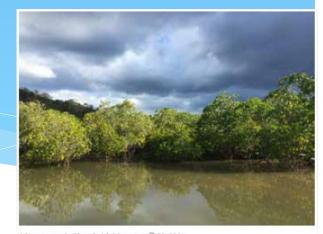


Conclusions

- i) Lists and inventories exist in almost all the ORs
- ii) Already **identified and available** in a national framework
- iii) **Heterogeneity** between ORs & some tools are missing to support conservation strategies







Mangrove de Kawéni à Mayotte © H. Udo

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To go further

Combine a habitat approach with data on species at stake to define complementary key sites for biodiversity



Antilles / F. Mazea

- Represent all "natural" ecological compartments
- Reactive (threatened species) & pro-active (endemic species)
- Adaptation and potential resilience to global change
- "Less natural spaces" as part of a green infrastructure approach





In practice

- 1) Digitizing / sharing of available habitat/vegetation maps
- 2) Re-launch regional expert groups on habitats
- 3) Strengthen the knowledge base on Saint-Martin
- 4) Implement a standardized knowledge acquisition strategy
- 5) Continue / strengthen the development of **Red Lists**
- 6) Carry out major inventory operations







Thank you

Species repository Olivier Gargominy, Claire Régnier Red Lists

Guillaume Gigot

Habitats

Rémy Poncet, Vincent Gaudillat, Noémie Michez ,Stéphane Guitet

ZNIEFF projects

Fanny Lepareur

Inventories

Pascal Dupont, Jeanne de Mazière, Thomas Milon

The INPN team and all the partners















