Geospatial information for SDG indicators

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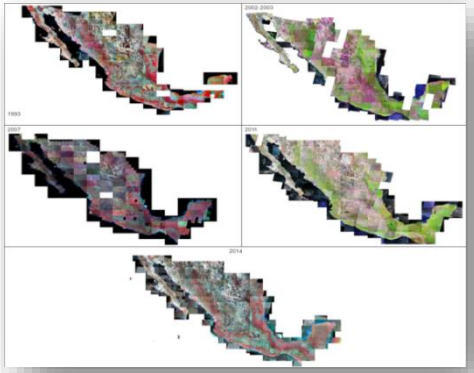
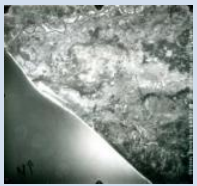
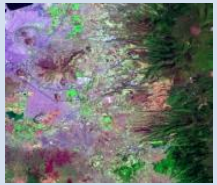
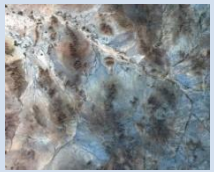
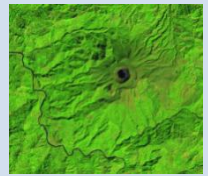
Objective

Identifying and selecting the best practices in terms of monitoring water related issues.

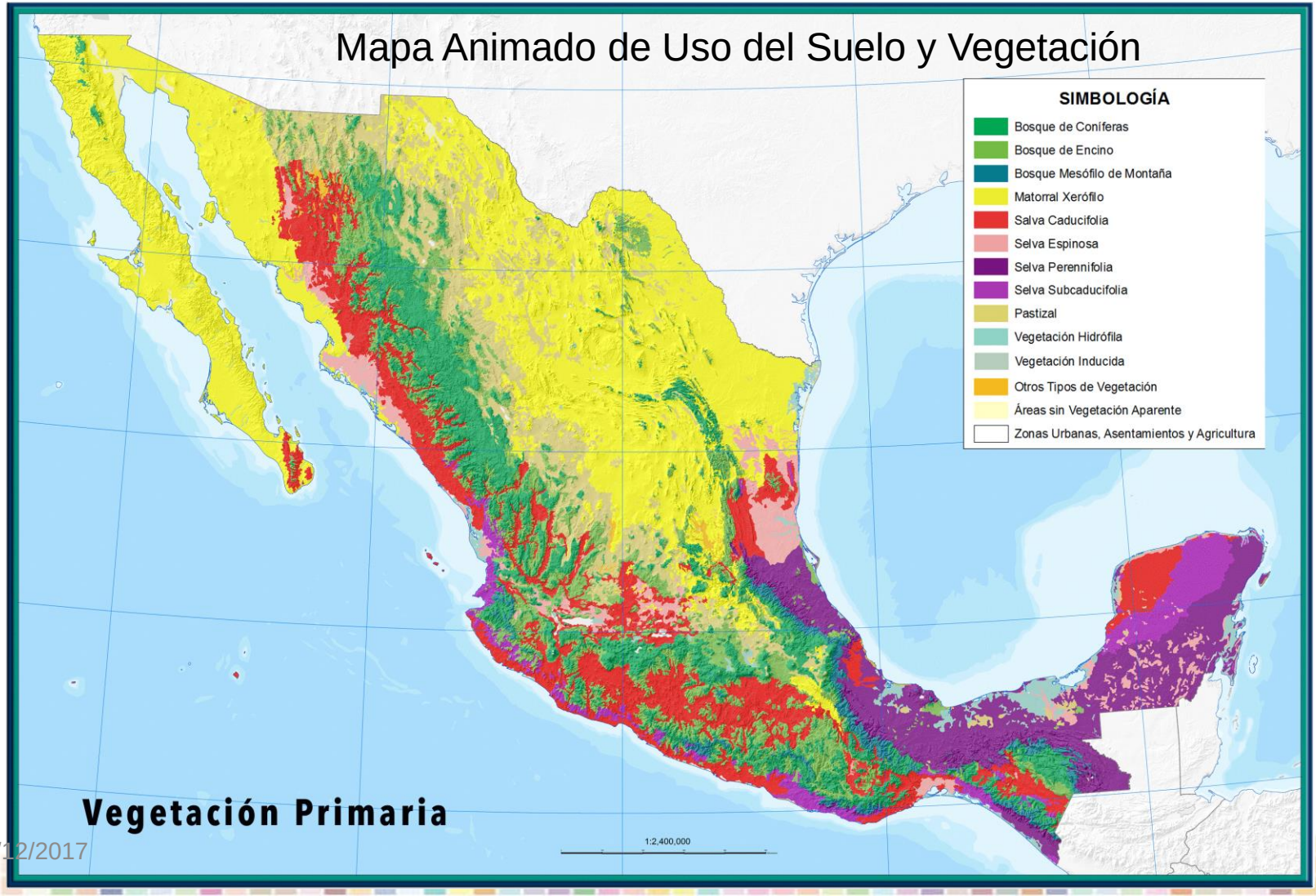
Land Use and Vegetation Information



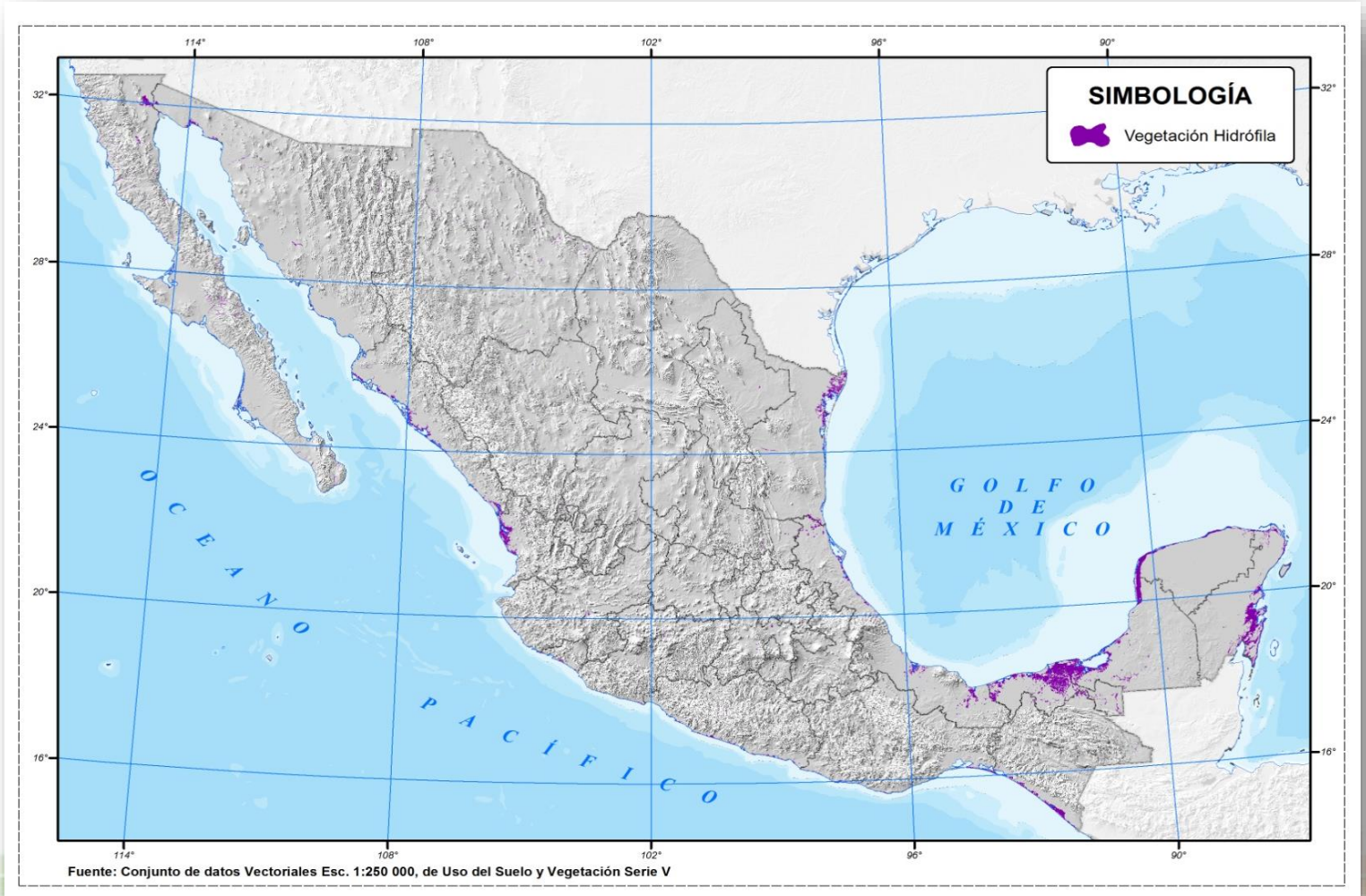
Land Use and Vegetation Series - Scale 1: 250,000.

	SERIES I	SERIES II	SERIES III	SERIES IV	SERIES V	SERIE S VI
Processing Period	1978-1991	1995-2000	2002-2005	2007-2010	2011-2014	2015-2017
Date of field data	1978-1990	1996 - 1999	2002-2003	2007-2008	2012-2013	2015
Reference date	1985	1993	2002	2007	2011	2014
Imagery						
	Aerial Photographs	Paper Imagemaps	LANDSAT TM (30m)	SPOT 5 (10m)	LANDSAT 5 TM (30m)	LANDSAT 8 (30m)
Product type	Analogic Map	Digital data	Digital data	Digital data	Digital data	Digital data
Information	Printed map	5 layers	14 layers	13 layers	13 layers	15 layers

Dynamic Map

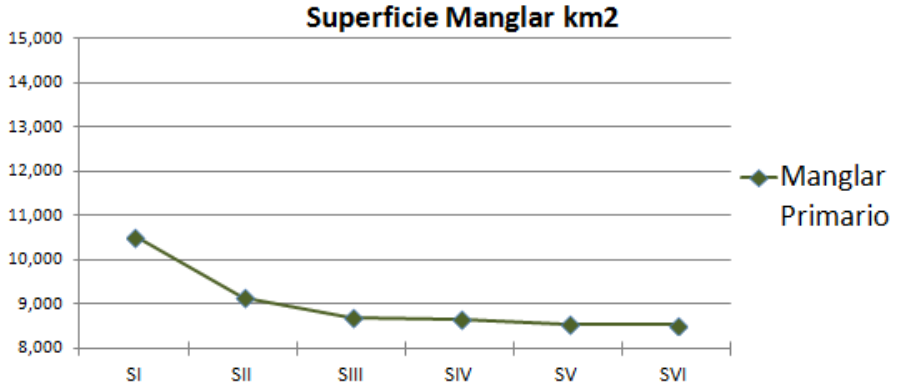

Mapa Animado de Uso del Suelo y Vegetación
SIMBOLOGÍA
Bosque de Coníferas
Bosque de Encino
Bosque Mesófilo de Montaña
Matorral Xerófilo
Salva Caducifolia
Selva Espinosa
Selva Perennifolia
Selva Subcaducifolia
Pastizal
Vegetación Hidrófila
Vegetación Inducida
Otros Tipos de Vegetación
Áreas sin Vegetación Aparente
Zonas Urbanas, Asentamientos y Agricultura
Vegetación Primaria
1:2,400,000

Hydrophilic vegetation



MANGROVE (Km²)

	SI	SII	SIII	SIV	SV	SVI
Manglar Primario	10,530.81	9,152.95	8,692.81	8,649.86	8,554.93	8,528.07
Manglar Secundario Arbóreo	46.67	9.56	147.07	150.00	161.66	157.05
Manglar Primario y Secundaria Arbóreo	10,577.48	9,162.51	8,839.88	8,799.85	8,716.59	8,685.12
Manglar Secundario Arbustivo	-	88.17	508.71	768.86	810.83	820.69

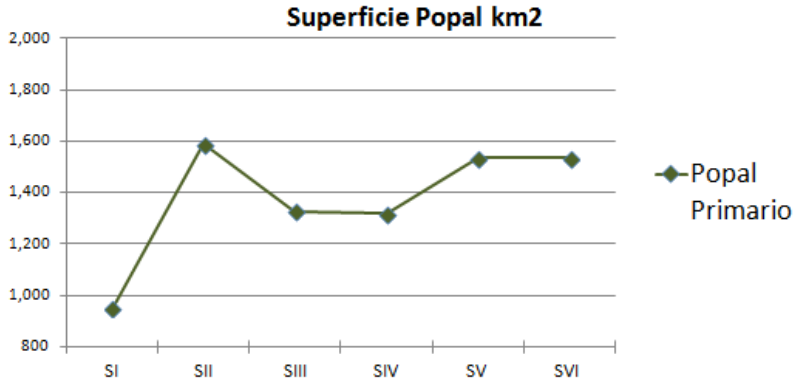


Celestún, Yucatán.

POPAL (Km²)

Wetland vegetation with *Thalia geniculata*

	SI	SII	SIII	SIV	SV	SVI
Popal Primario	948.02	1,587.49	1,326.79	1,316.07	1,533.33	1,532.84

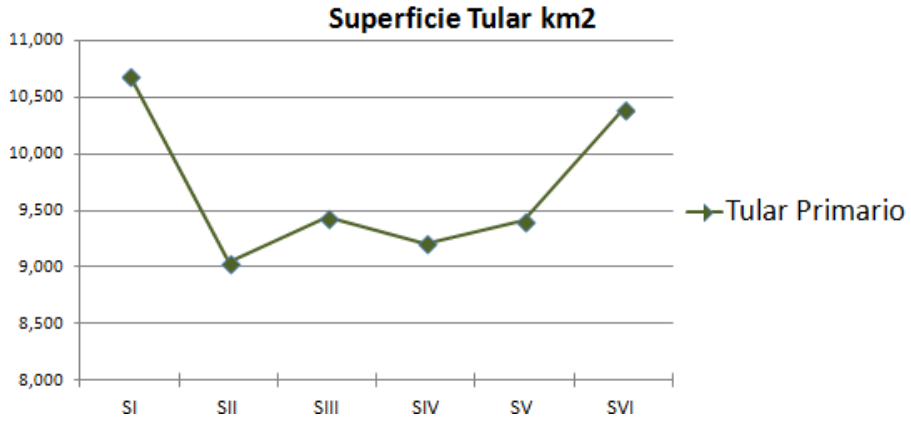


José Asmitia, Tabasco.

TULAR (Km²)

Wetland vegetation with *Typha spp*

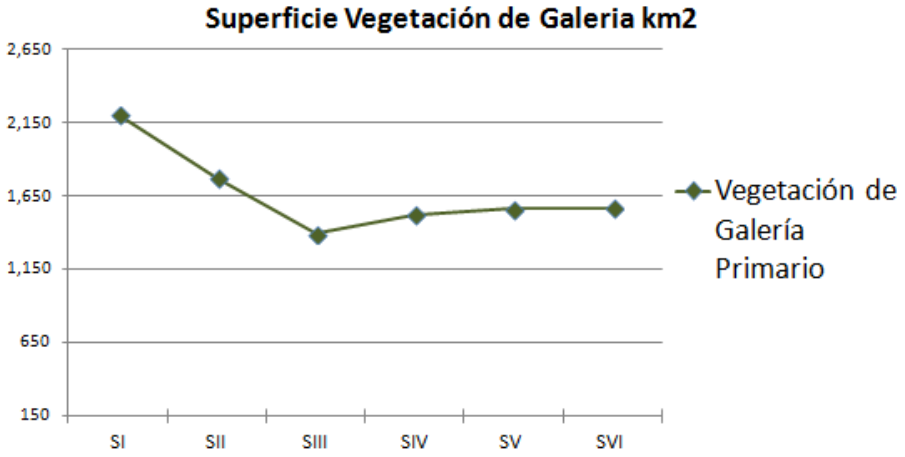
	SI	SII	SIII	SIV	SV	SVI
Tular Primario	10,687.51	9,042.22	9,443.97	9,212.66	9,415.37	10,402.89



Tizimín, Yucatán.

GALLERY VEGETATION (Km²)

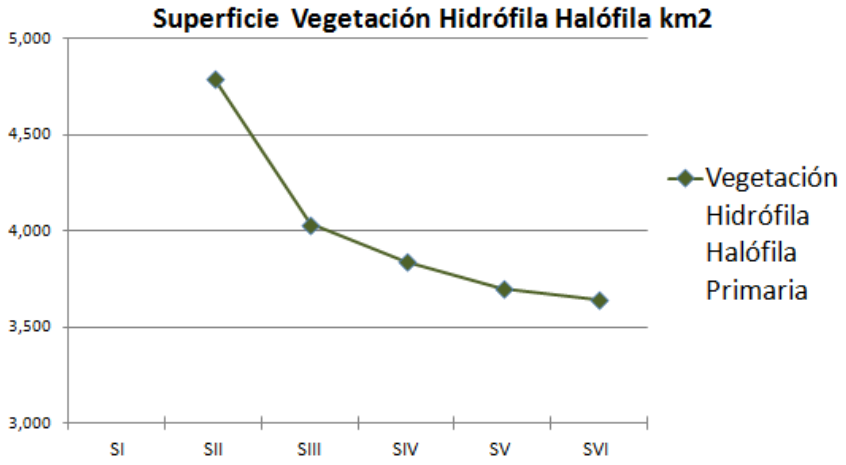
	SI	SII	SIII	SIV	SV	SVI
Vegetación de Galería Primario	2,200.63	1,770.56	1,390.83	1,519.14	1,561.17	1,563.44
Vegetación de Galería Primario y Secundaria Arbóreo	2,200.63	1,770.56	1,390.83	1,519.14	1,561.17	1,563.44
Vegetación de Galería Secundario Arbustivo	-	-	-	2.94	15.75	17.10



Temosachic, Chihuahua.

HALOPHILE VEGETATION (Km²)

	SI	SII	SIII	SIV	SV	SVI
Vegetación Hidrófila Halófila Primaria		4,798.22	4,035.99	3,841.24	3,701.24	3,643.55
Vegetación Hidrófila Halófila Secundario Arbustivo		3.24	3.24	3.47	54.39	55.21

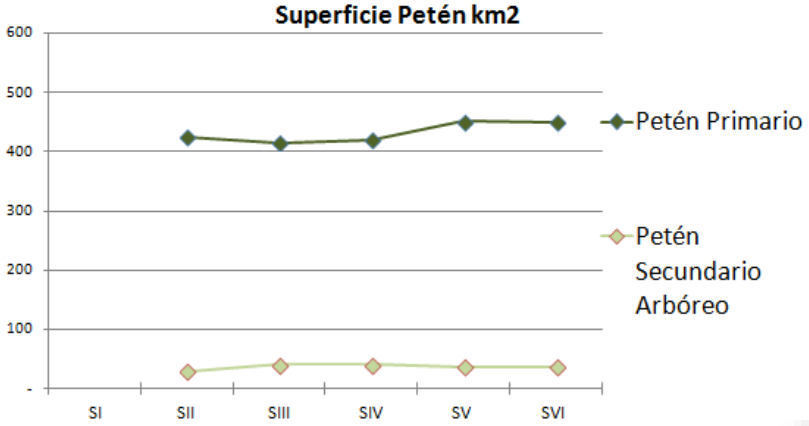


Atoyac, Jalisco.

PETÉN (Km²)

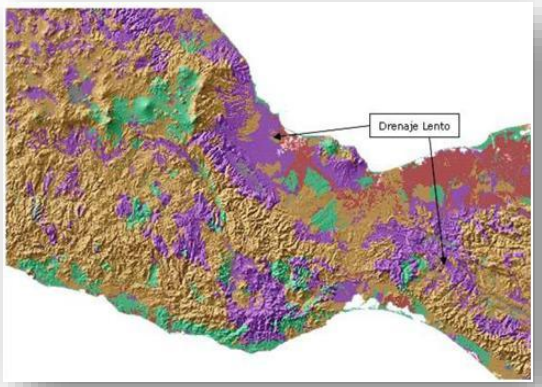
Wetland tropical forest

	SI	SII	SIII	SIV	SV	SVI
Petén Primario		424.39	415.57	419.61	451.00	449.33
Petén Secundario Arbóreo		29.10	40.91	40.92	37.91	37.80
Petén Primario y Secundario Arbóreo		453.49	456.48	460.53	488.91	487.13

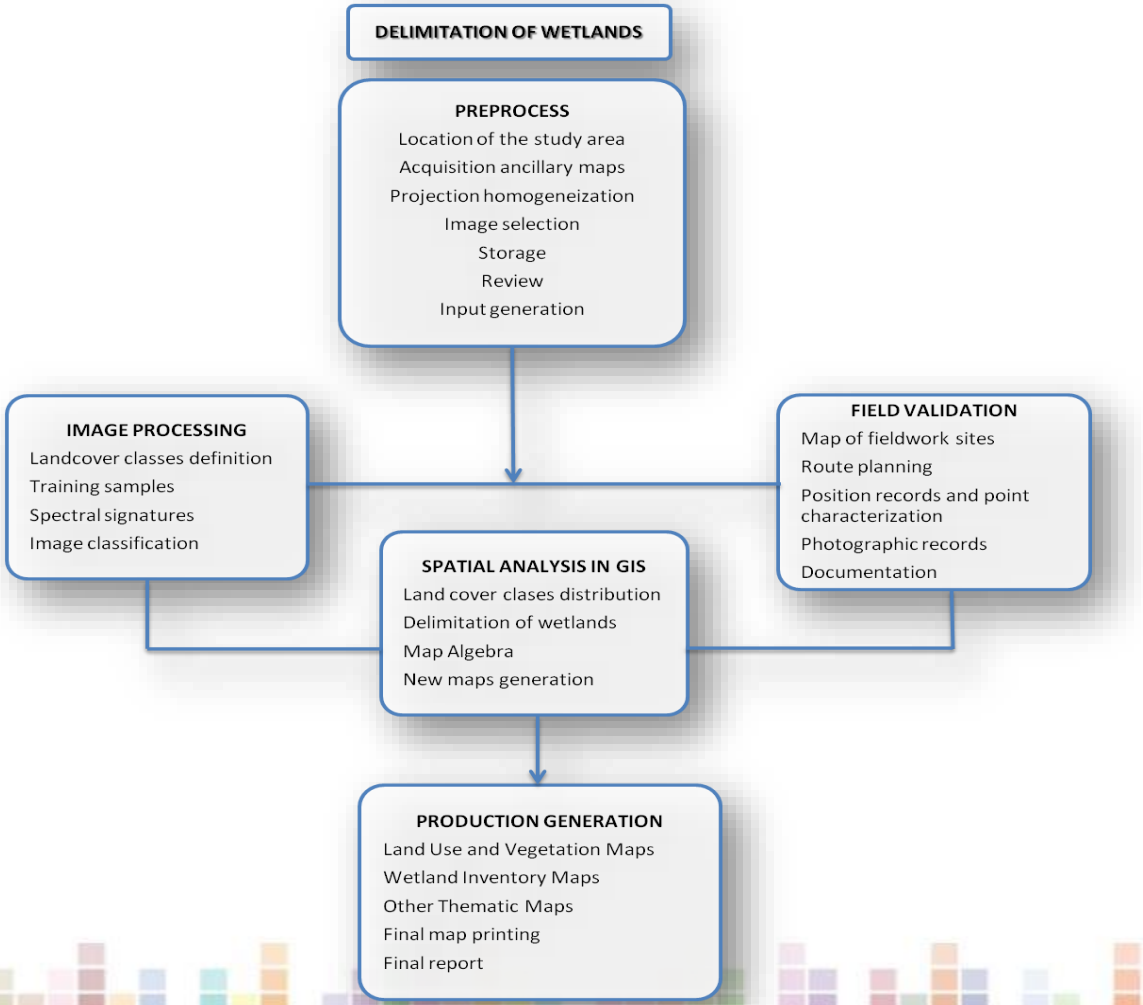


Felipe Carrillo Puerto, Quintana Roo

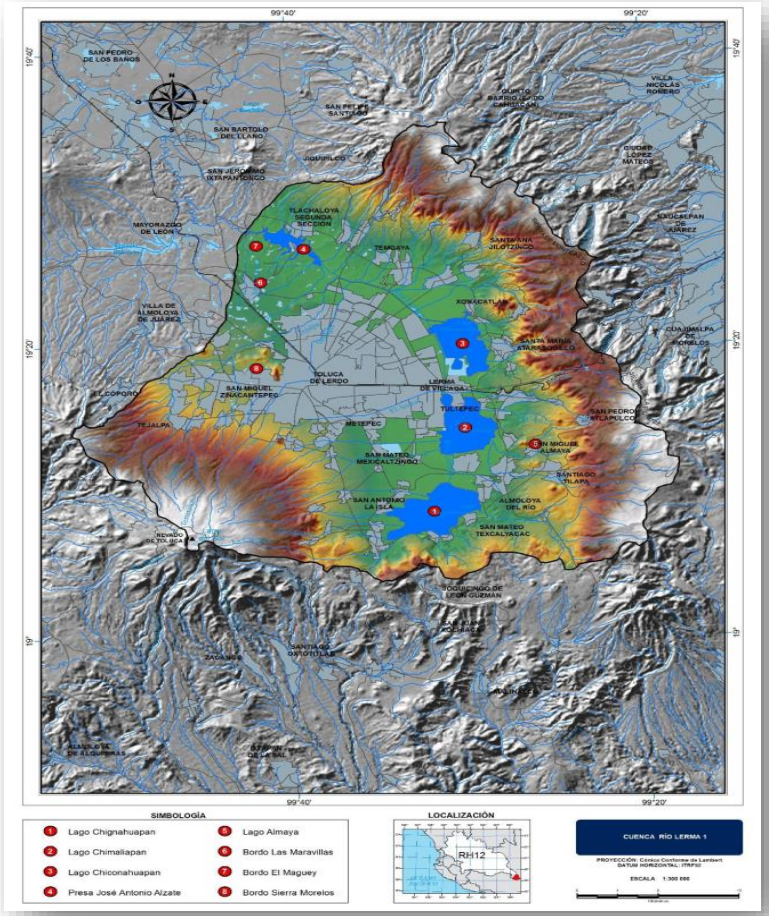
Wetlands



National Inventory of Wetlands 1:50,000 Process diagram.



Wetlands National Inventory.



Includes:

- Study, characterization,
- Cataloging,
- Quantification
- Mapping of entities such as populated places, vegetation, soils, habitat, ecosystems and landscapes .

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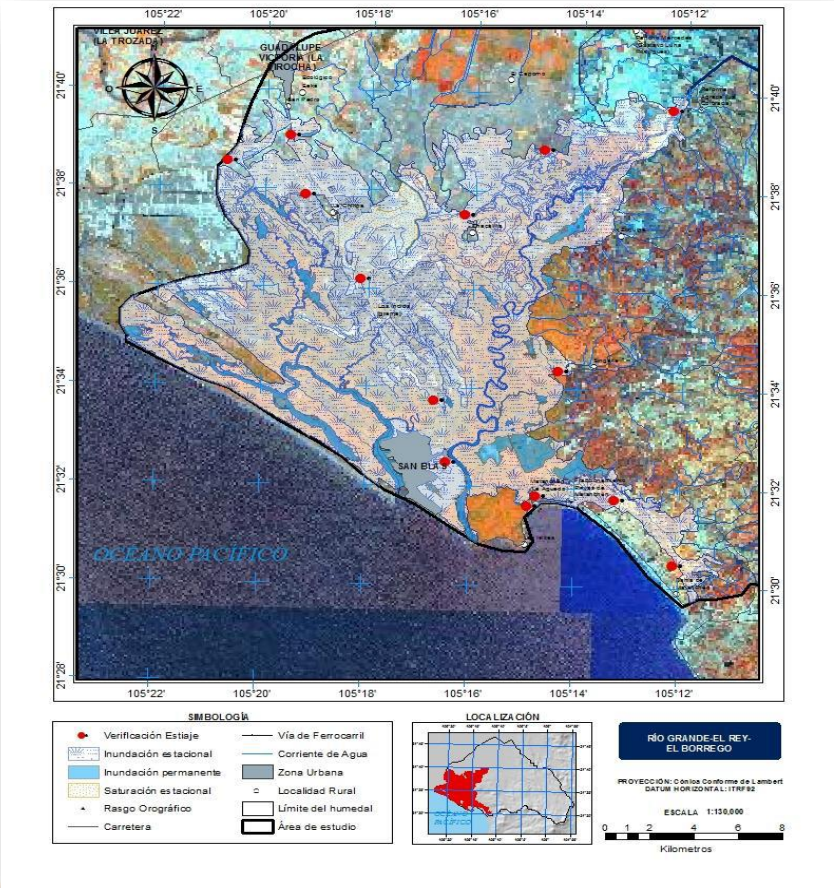
Spatial distribution of wetlands in Mexico.

Example of Coastal Wetland.



Río Grande Wetland Complex - El Rey-El Borrego.
San Blas watershed, Nayarit.

Zoning: (permanent flood, seasonal flood or seasonal saturation) on 2012 RapidEye imagery.

Band combination 5, 4, 3.

Spatial resolution 6 m.

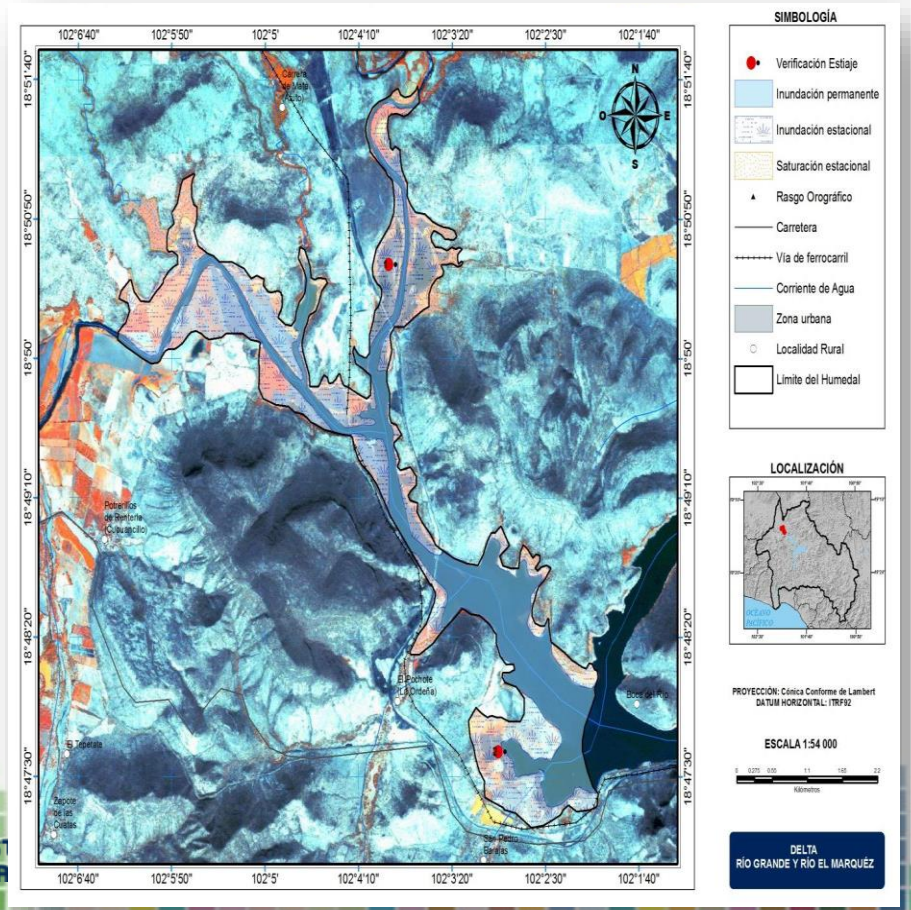
Example of Continental Wetland.

Wetland classified as fluvial in Michoacán.

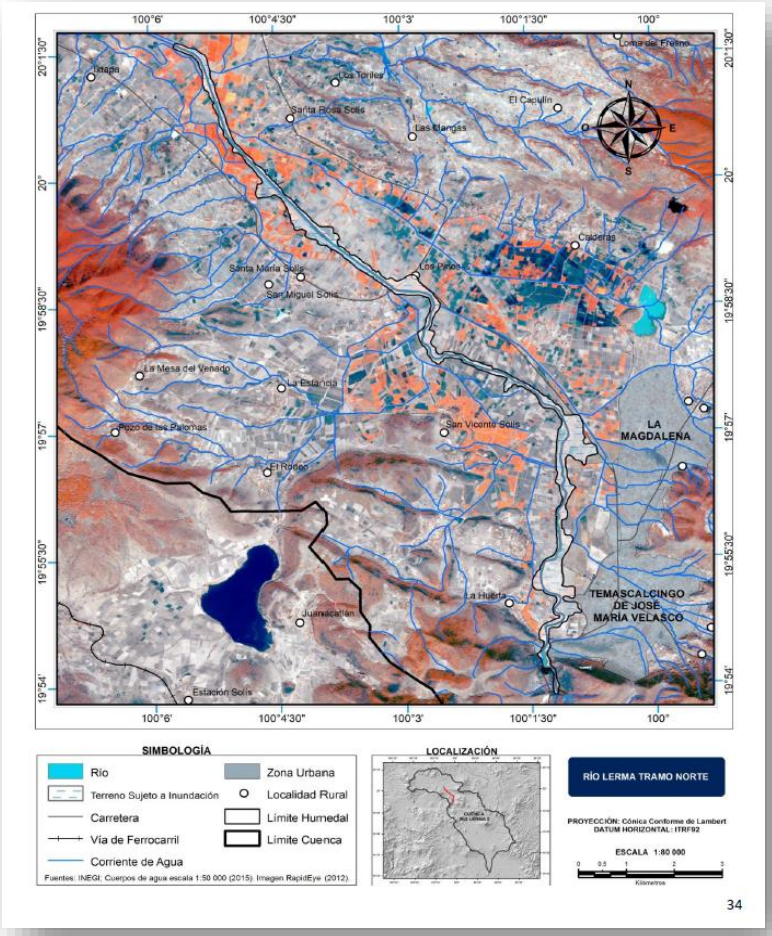
Delimited zoning (permanent flood, seasonal or seasonal saturation) on 2012 RapidEye imagery

Band combination 5, 4, 3.

Spatial resolution 6 m.



Final product.



Based on the analysis of ancillary maps and data and satellite imagery, the final product includes:

- Wetland Map (pdf).
- GIS data layers.
- Technical report with:
  - Summarized description of the wetland area; climate, soils, vegetation, relief, human population.
  - Data tables with several statistics.

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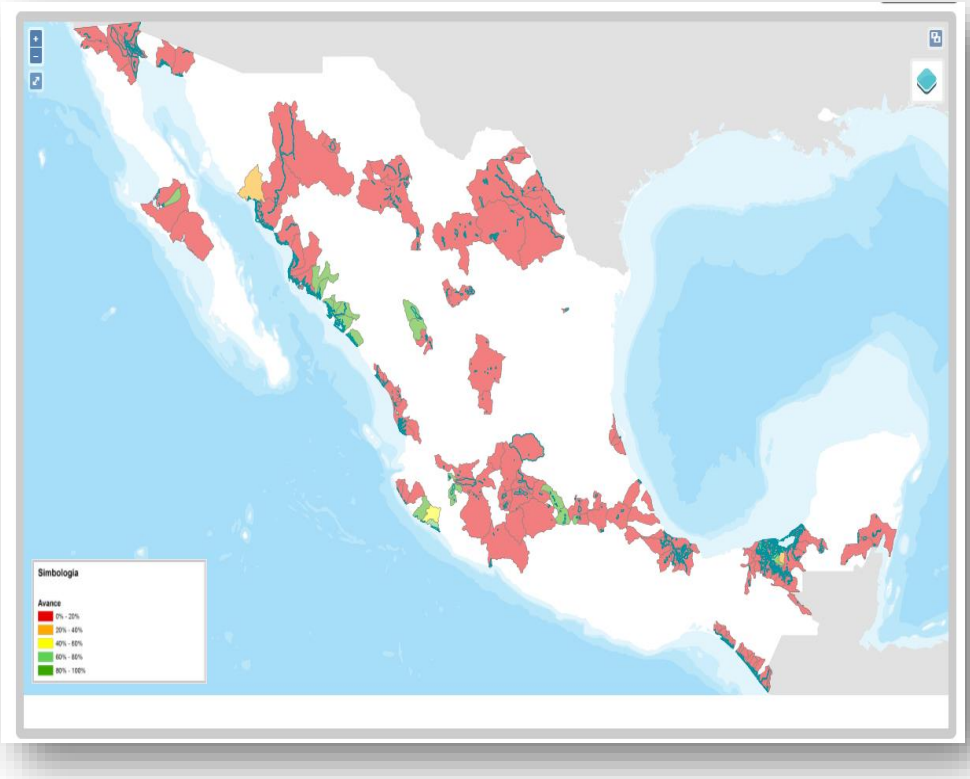
Progress.

Considering the hydrographic watershed as a unit for mapping, 140 watersheds are programmed to work on at the beginning of February 2018 from a universe of 754 watersheds.



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