Zonele umede

HOTSPOT-URI DE BIODIVERSITATE

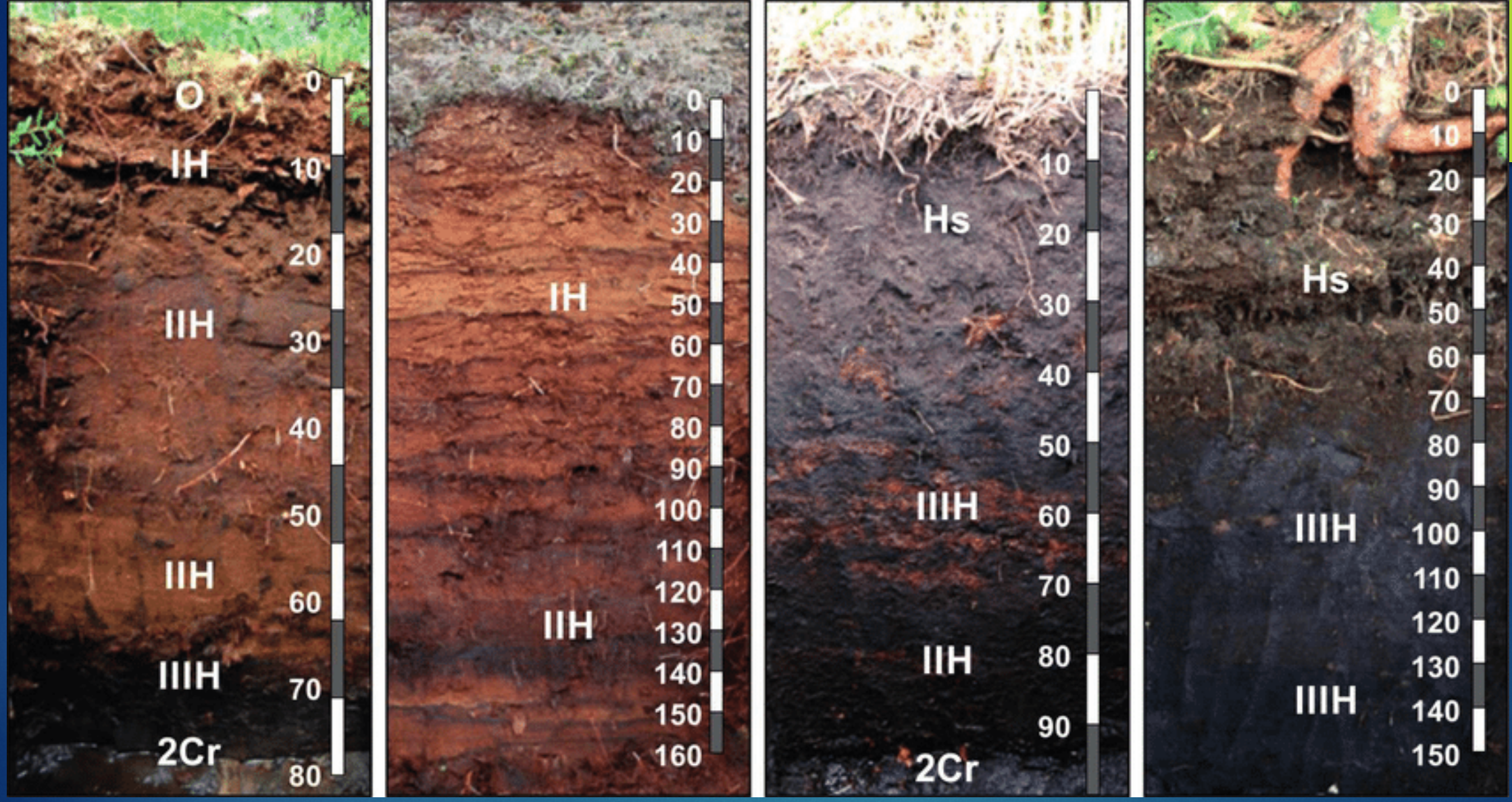
CONF. UNIV. DR. SABIN BĂDĂRĂU, LECTOR UNIV. DR. CRISTIAN MALOȘ,
LECTOR UNIV. DR. VLAD MĂCICĂȘAN

Situația mondială

- Ecosisteme cu caracter intrazonal (depind de o anumită situație geologică și geomorfologică)
- Creează propriile tipuri de soluri intrazonale – gleisoluri, stagnosoluri, histosoluri



gleisol



histosol

Pădurile tropicale umede

- Există subtipuri speciale de păduri tropicale umede cu substrat mlăștinos sau chiar turbos, total distincte de celelalte tipuri „zonale”. Flora și fauna lor sunt foarte distincte.

America de Sud „varzea”

Africa

Indo-Malaya „kerapah” (cu suprafețe convexe de turbă), „empran” (gleisoluri, păduri mlăștinoase)



Pădurile tropicale xerofile și savanele

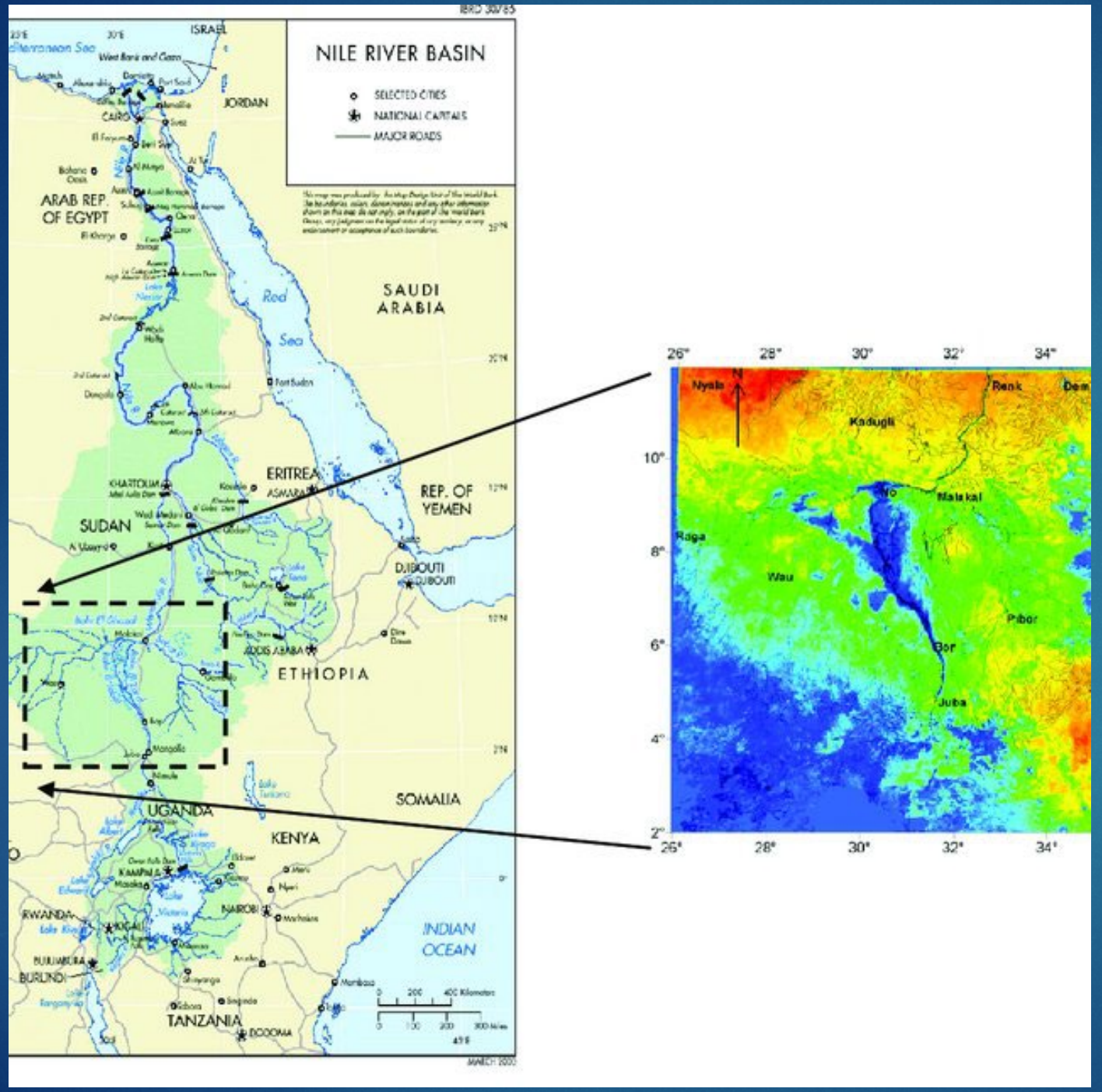
- Mlaștini cu un caracter foarte aparte față de ecosistemele zonale
- Pădurile ripariene galerii





Mlaștinile de pe cursul Nilului Alb în Sudan




NILE RIVER BASIN
SELECTED CITIES
NATIONAL CAPITALS
MAJOR ROADS
ISRAEL
JORDAN
CAIRO
ARAB REP. OF EGYPT
SAUDI ARABIA
Red Sea
ERITREA
ASMARA
REP. OF YEMEN
KHARTOUM
SUDAN
DJIBOUTI
ADDIS ABABA
ETHIOPIA
SOMALIA
UGANDA
KENYA
KAMPALA
NAIROBI
RWANDA
KIGALI
BURUNDI
BUJUMBURA
TANZANIA
DODOMA
INDIAN OCEAN
Nyala
Renk
Kadugli
Malakal
Raga
Wau
Pibor
Bor
Juba
26°
28°
30°
32°
34°
10°
8°
6°
4°
2°







Pădurile xerofile de tip Miombo, sudul Africii

- Arii umede dispersate





pantanal

- Cea mai mare zonă umedă compactă din savanele sud-americane

wildbrazil.com.br/pantanal.php

ABOUT DESTINATIONS FOCUS MAP CONTACT US

PANTANAL

WETLANDS

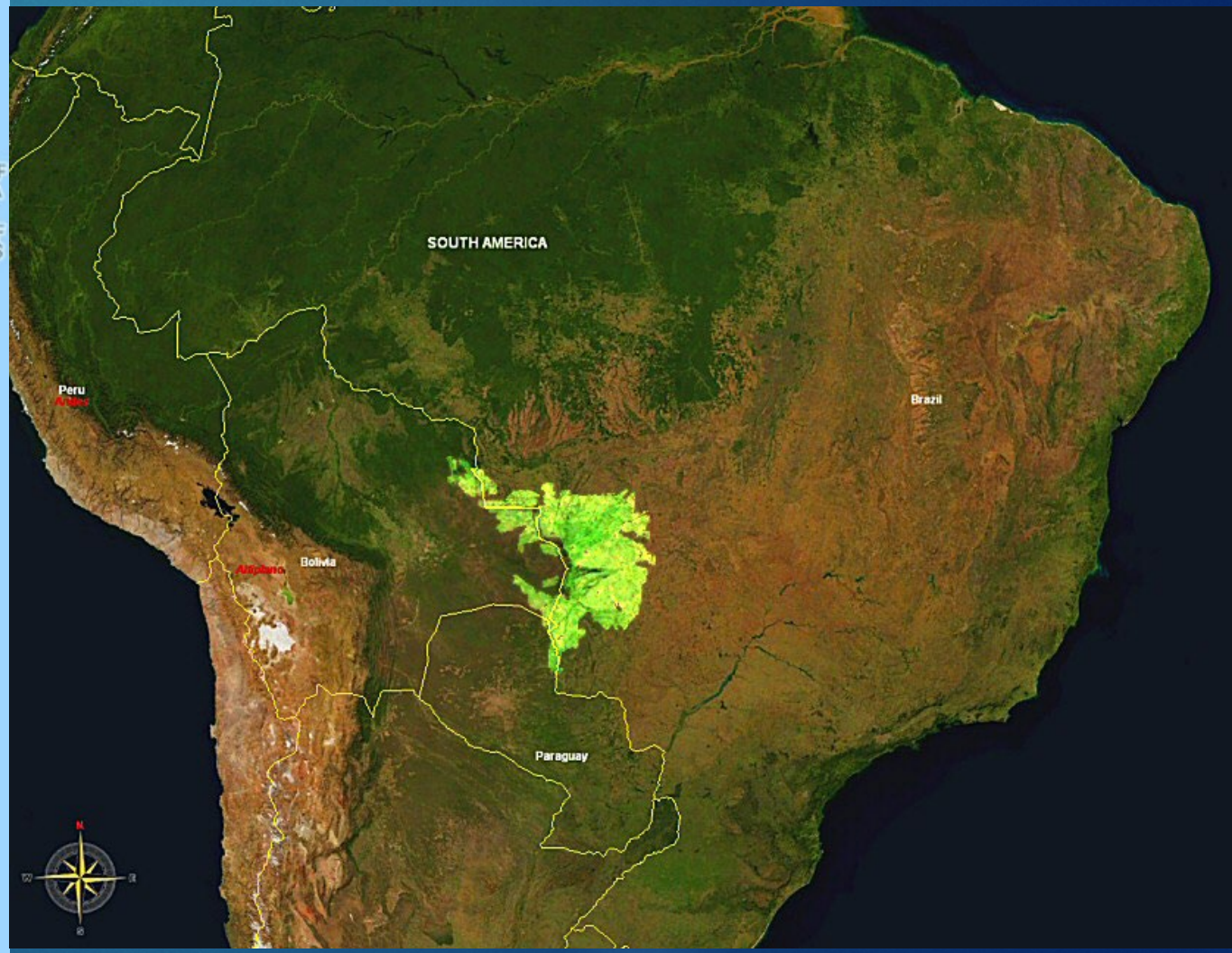
HOME / **Pantanal** | Atlantic Rainforest | Amazon Rainforest | Cerrado

The Pantanal

The Pantanal is the largest freshwater wetland on Earth, spanning an area of about 40 million acres (160000 km^2). It has been recognized by UNESCO as a Biosphere Reserve and World Heritage Site. In Brazil, the Pantanal sprawls across the Mato Grosso State and the Mato Grosso do Sul State.




Caracas
Panama
Venezuela
Bogotá
Colombia
Cali
Guyana
French Guiana
Suriname
STATE OF RORAIMA
STATE OF AMAPÁ
Quito
Ecuador
STATE OF AMAZONAS
STATE OF PARÁ
STATE OF MARANHÃO
STATE OF CEARÁ
STATE OF PIAUÍ
STATE OF PARAÍBA
STATE OF ACRE
Brazil
STATE OF ALAGOAS
Peru
STATE OF RONDÔNIA
STATE OF TOCANTINS
STATE OF MATO GROSSO
STATE OF BAHIA
Lima District
Salvador
STATE OF GOIÁS
Bolivia
PANTANAL
STATE OF MINAS GERAIS
STATE OF MATO GROSSO DO SUL
Belo Horizonte
STATE OF RIO DE JANEIRO
STATE OF SÃO PAULO
Paraguay
Asuncion
São Paulo
STATE OF PARANÁ
Chile
STATE OF SANTA CATARINA
STATE OF RIO GRANDE DO SUL
Córdoba
Uruguay
Santiago
Buenos Aires
Argentina
Montevideo


SOUTH AMERICA
Peru
Brazil
Bolivia
Paraguay





Deșerturi tropicale și temperate

- Oazele
- Deltele continentale

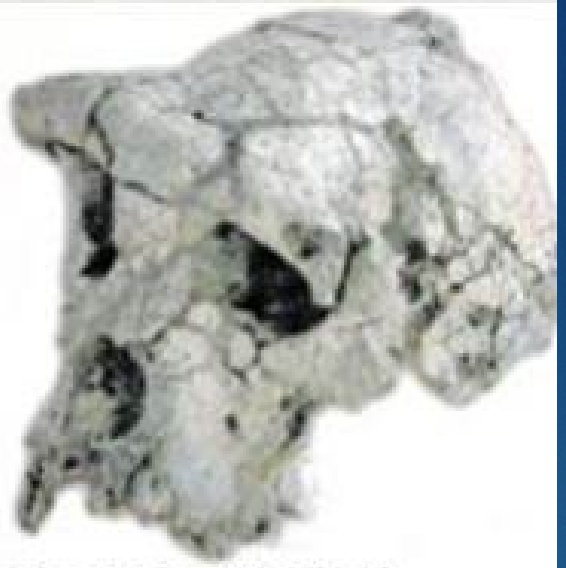








« Premier visage de l'humanité »
Sculpture réalisée par Elisabeth Daynès, montrant Toumaï sur fond de paysage de l'Okavango évoquant son habitat sur les bords du lac Tchad, il y a 7 millions d'années.



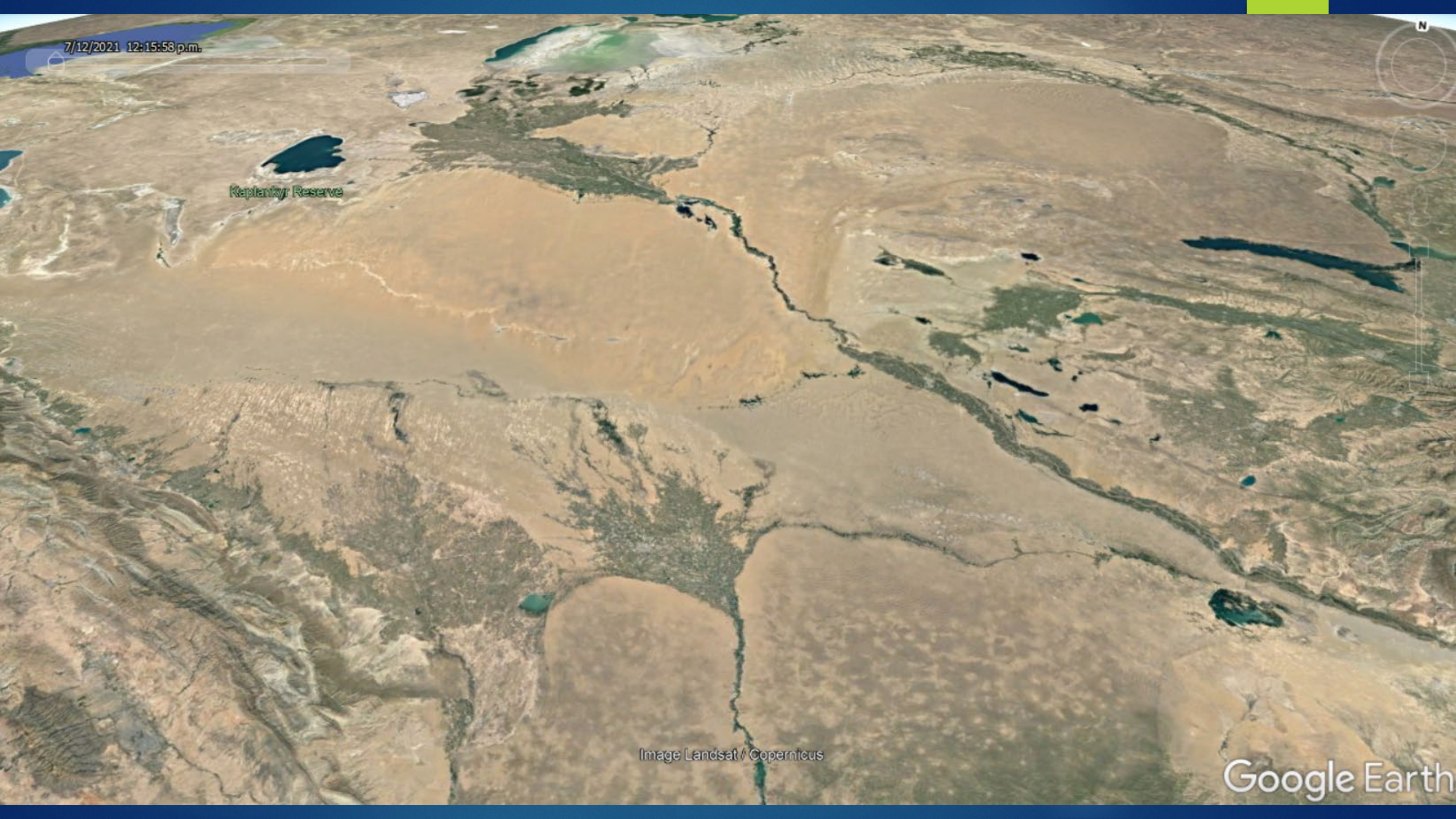
Le crâne de Toumaï (original), découvert en 2001 dans le désert du Djourab, au Tchad



Moulage stéréolithographique

Photos : Ph. Plailly / MPFT - Montage : A. Garaudel



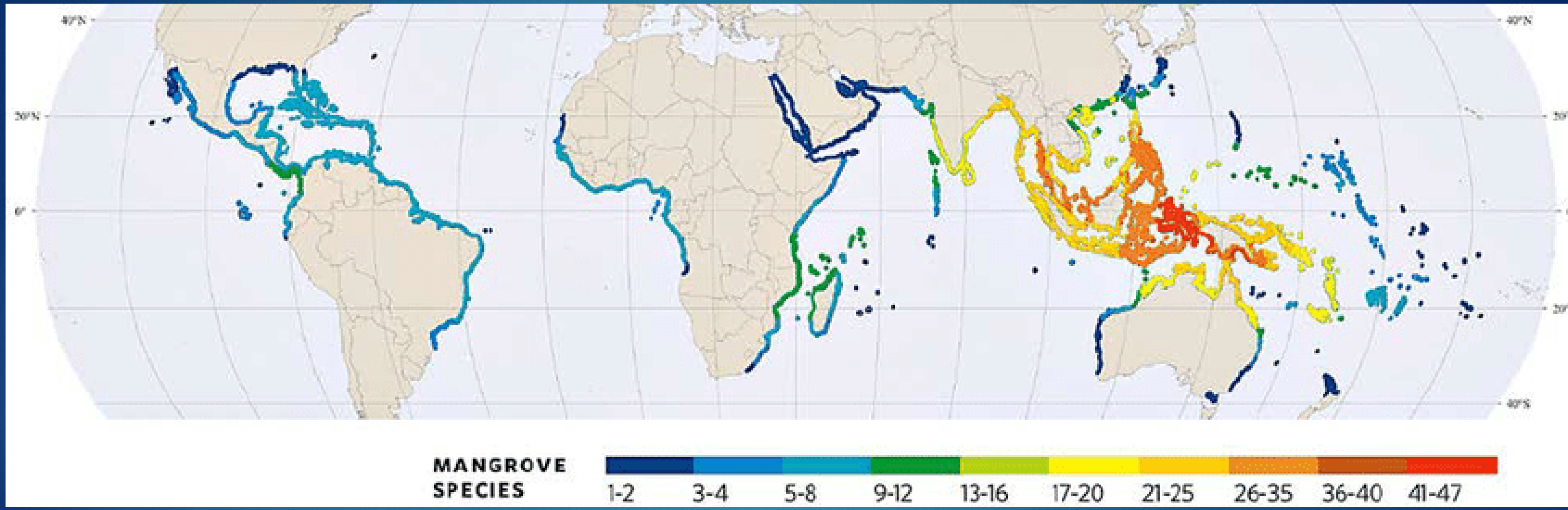

7/12/2021 12:15:58 p.m.
Kaplankyr Reserve
Image Landsat / Copernicus
Google Earth

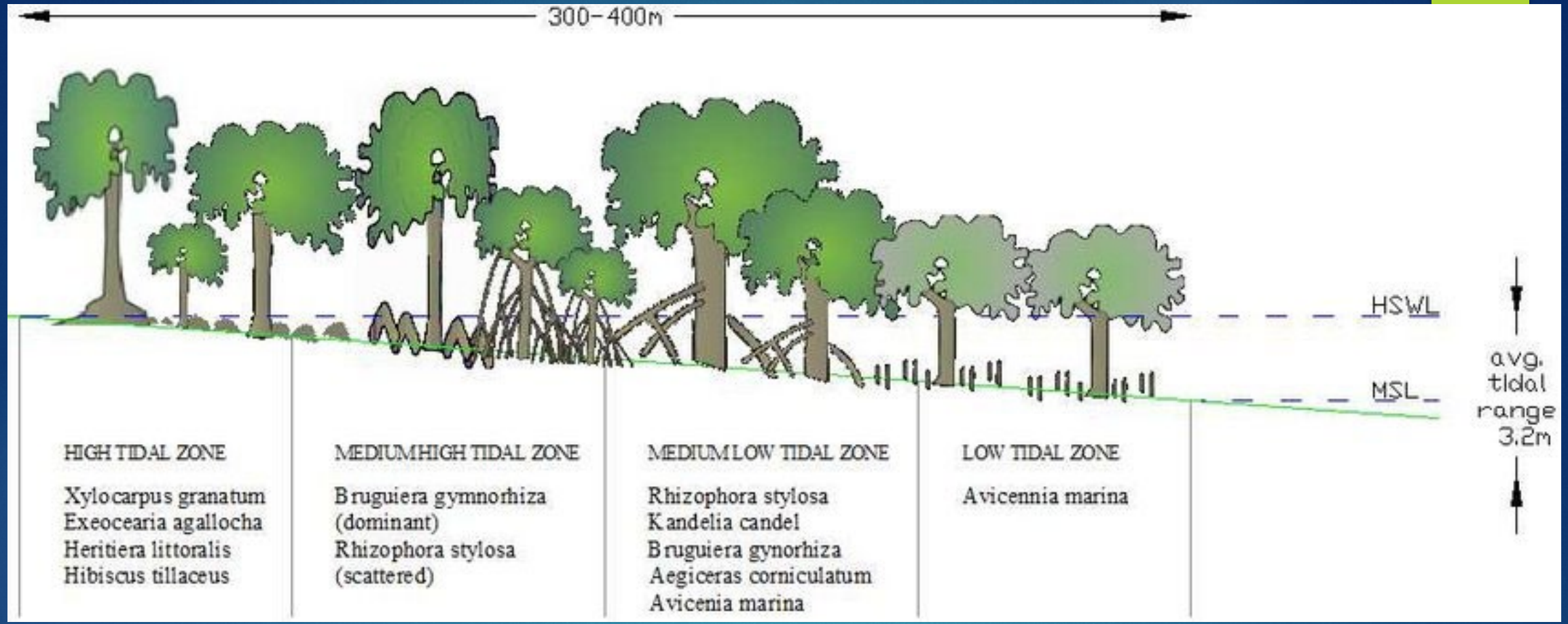




Mangrovele

- Ecosisteme de interferență continental - marină
- Dintre toate tipurile de zone umede, au cea mai particulară floră și faună

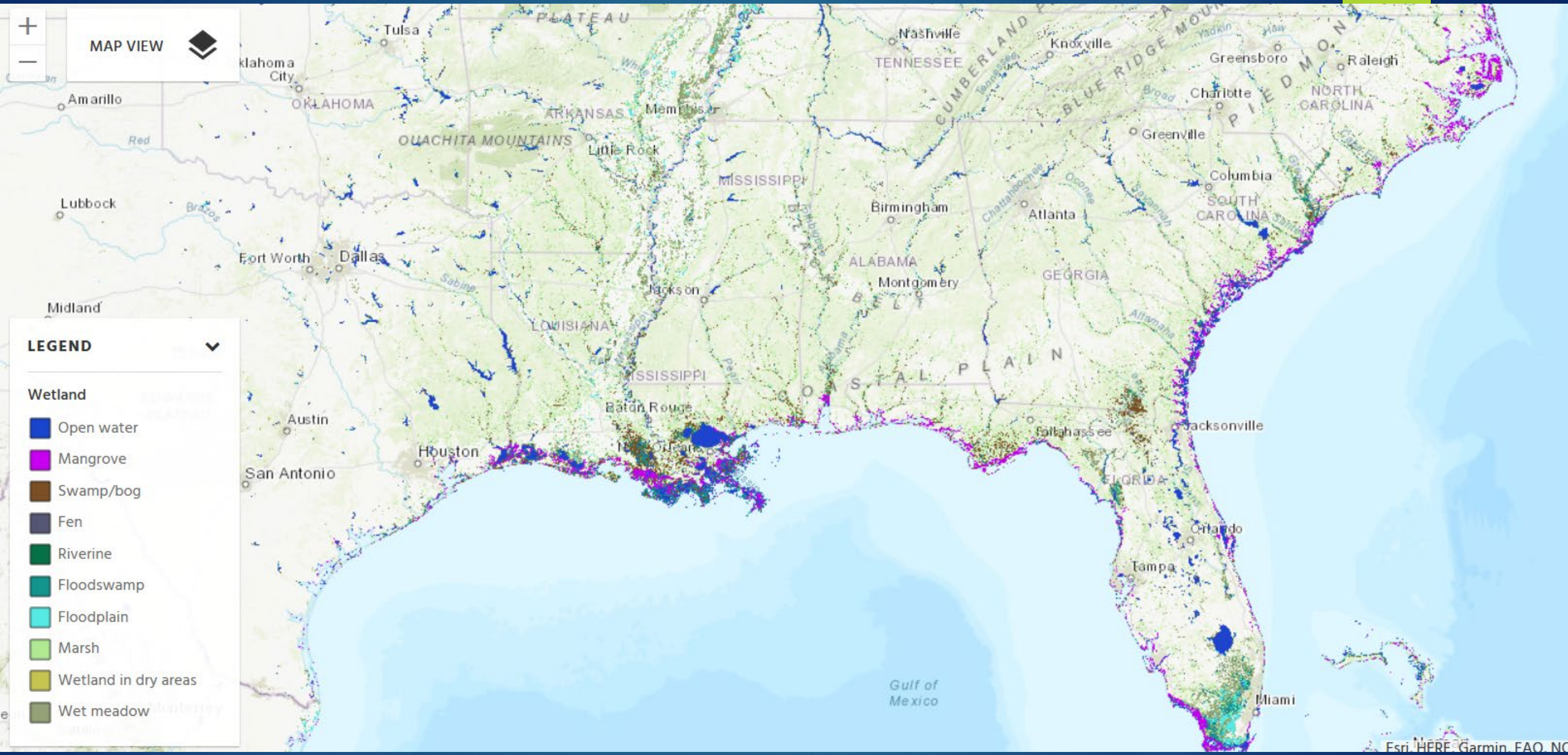

MANGROVE SPECIES
1-2
3-4
5-8
9-12
13-16
17-20
21-25
26-35
36-40
41-47

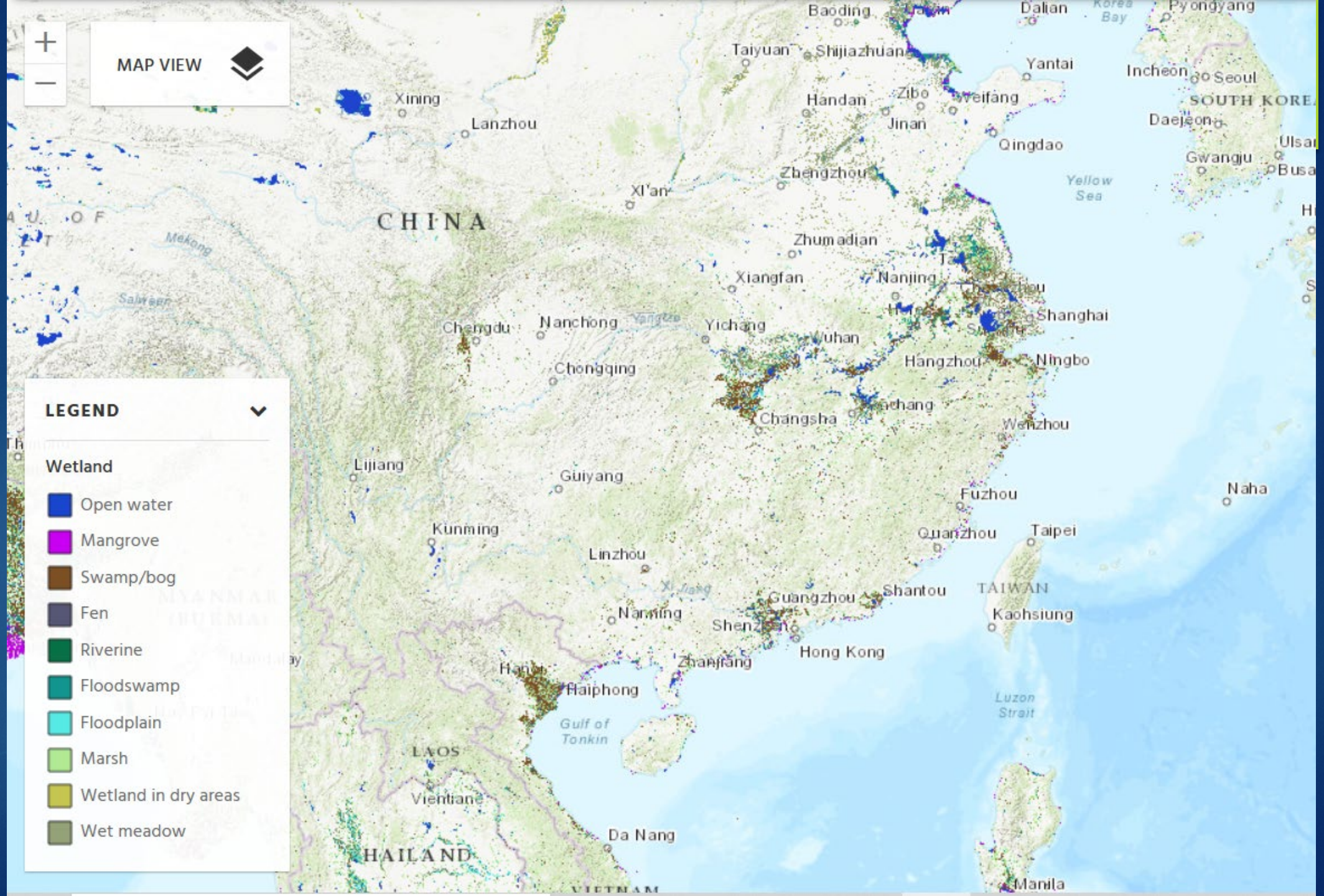

300-400m
HSWL
MSL
avg. tidal range 3.2m
HIGH TIDAL ZONE
Xylocarpus granatum
Exeocearia agallocha
Heritiera littoralis
Hibiscus tillaceus
MEDIUMHIGH TIDAL ZONE
Bruguiera gymnorhiza (dominant)
Rhizophora stylosa (scattered)
MEDIUMLOW TIDAL ZONE
Rhizophora stylosa
Kandelia candel
Bruguiera gynorhiza
Aegiceras corniculatum
Avicenia marina
LOW TIDAL ZONE
Avicennia marina



Pădurile subtropicale și nemorale

- Ecosisteme luxuriante de mlaștini în arealele depresionare și câmpiile de subsidență


MAP VIEW
LEGEND
Wetland
Open water
Mangrove
Swamp/bog
Fen
Riverine
Floodswamp
Floodplain
Marsh
Wetland in dry areas
Wet meadow
Tulsa
Amarillo
Lubbock
Fort Worth
Dallas
Midland
Austin
Houston
San Antonio
Baton Rouge
Jackson
Memphis
Little Rock
Nashville
Knoxville
Birmingham
Montgomery
Atlanta
Greenville
Charlotte
Greensboro
Raleigh
Columbia
Tallahassee
Jacksonville
Orlando
Tampa
Miami
Gulf of Mexico
OKLAHOMA
ARKANSAS
MISSISSIPPI
LOUISIANA
ALABAMA
GEORGIA
TENNESSEE
NORTH CAROLINA
SOUTH CAROLINA
FLORIDA
OUACHITA MOUNTAINS
CUMBERLAND PLATEAU
BLUE RIDGE MOUNTAINS
PIEDMONT
COASTAL PLAIN
Esri, HERE, Garmin, FAO, NO


MAP VIEW
LEGEND
Wetland
Open water
Mangrove
Swamp/bog
Fen
Riverine
Floodswamp
Floodplain
Marsh
Wetland in dry areas
Wet meadow
CHINA
Baoding
Taiyuan
Shijiazhuang
Dalian
Pyongyang
Yantai
Incheon
Seoul
SOUTH KOREA
Daejeon
Gwangju
Ulsan
Busan
Xining
Lanzhou
Handan
Zibo
Weifang
Jinan
Qingdao
Zhengzhou
Xi'an
Yellow Sea
Zhumadian
Xiangfan
Nanjing
Shanghai
Chengdu
Nanchong
Yichang
Wuhan
Hangzhou
Ningbo
Chongqing
Changsha
Wenzhou
Lijiang
Guiyang
Fuzhou
Naha
Kunming
Quanzhou
Taipei
Linzhou
Shantou
TAIWAN
Guangzhou
Nanning
Kaohsiung
Shenzhen
Hong Kong
Zhanjiang
Haiphong
Luzon Strait
Gulf of Tonkin
LAOS
Vientiane
Da Nang
Manila
Mekong
Salween
Yangtze
Xi Jiang





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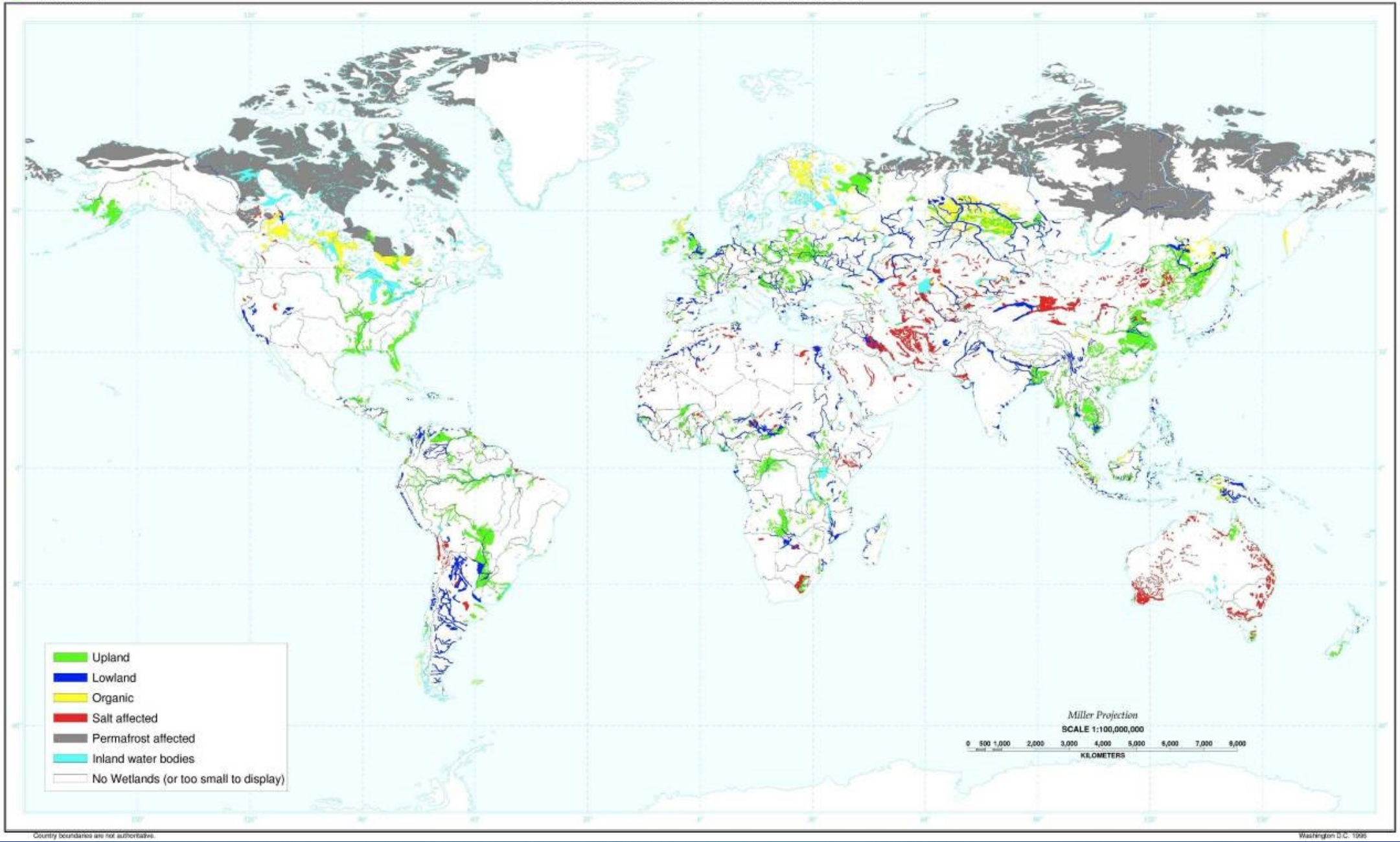


Pădurile boreale, silvotundra și tundra

- Turbăriile
- Deltele fluvio – marine arctice și boreale

U.S. Dept. of Agriculture
Natural Resources Conservation Service
Soil Survey Division
World Soil Resources

Distribution of Wetlands



Country boundaries are not authoritative.

Washington D.C. 1998

Turbăriile



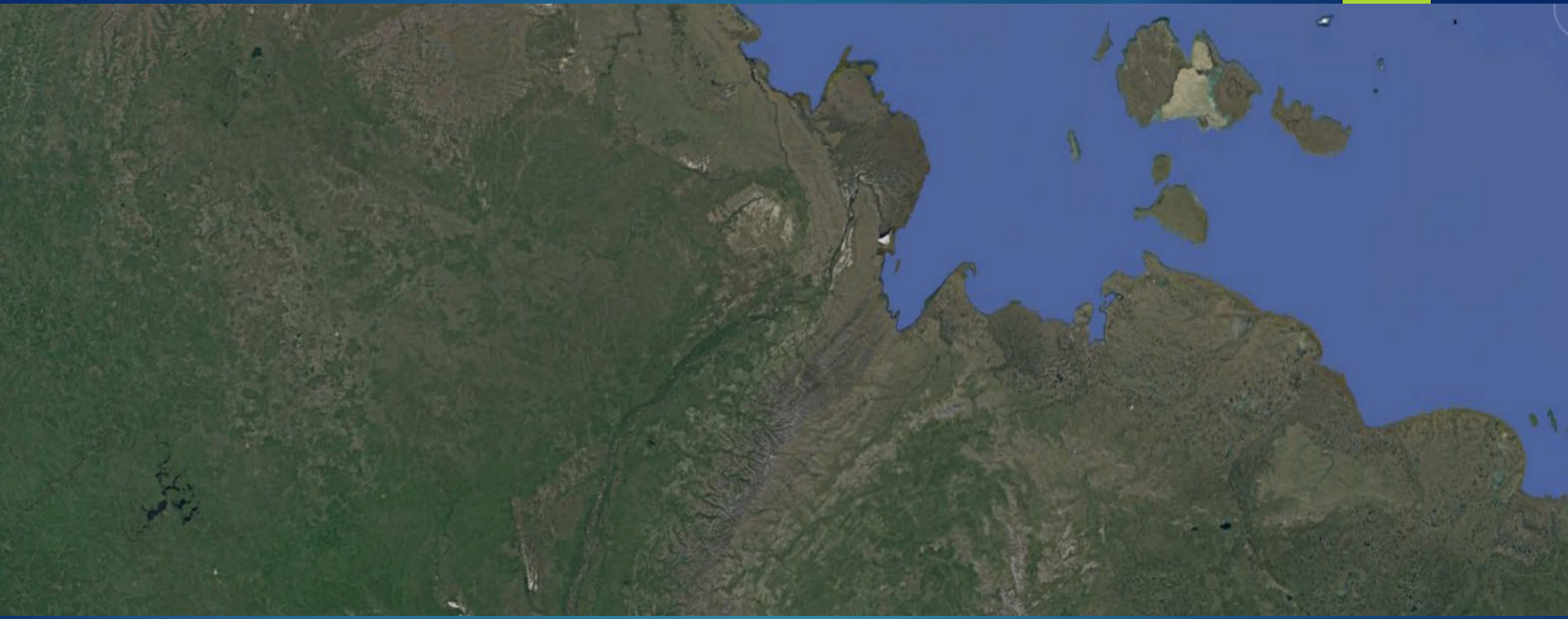
Deltele fluvio-marine boreale și arctice

Deltele boreale și arctice






Fluviul Mackenzie



Delta fluviului Lena



Delta fluviului Lena



Delta fluviului Lena



Delta fluviului MacKenzie

