





A Botanical Journey

Flowers and Trees Around the World

Lyn Mair







The Indian Ocean Madagascar Seychelles









Orchids 900 sp Madagascar

Tropical rainforest species



Ile aux Nattes




Angraecum sp



Angraecum sesquipidalae



Darwin’s orchid

Special hawk moth for pollination




Madagascar periwinkle
Catharanthus roseus

Ravenala / Travellers Palm *Ravenala madagascariensis*



Raffia Palm
Raphia sp



Dry Spiny Forest of Southern Madagascar





Allaudia procera







Oustalet’s Chameleon



Ring-tailed Lemur



Baobabs of Madagascar

6 endemic sp

Adansonia grandidieri



A. madagascariensis

Three-cornered Palm *Dypsis decaryi* en route to Berenty in the SW



Cloves Flower buds from *Syzigium aromaticum*





Vanilla Orchid

Vanilla planifolia

Mexican Bee
The pollinator



Edmond Albius a slave from Réunion discovered the secret of hand pollination in 1841. He was only 12.







Nepenthes ~ Pitcher plants

Madagascar



Seychelles



Seychelles Praslin Vallée de Mai WHS Coco de Mer palm



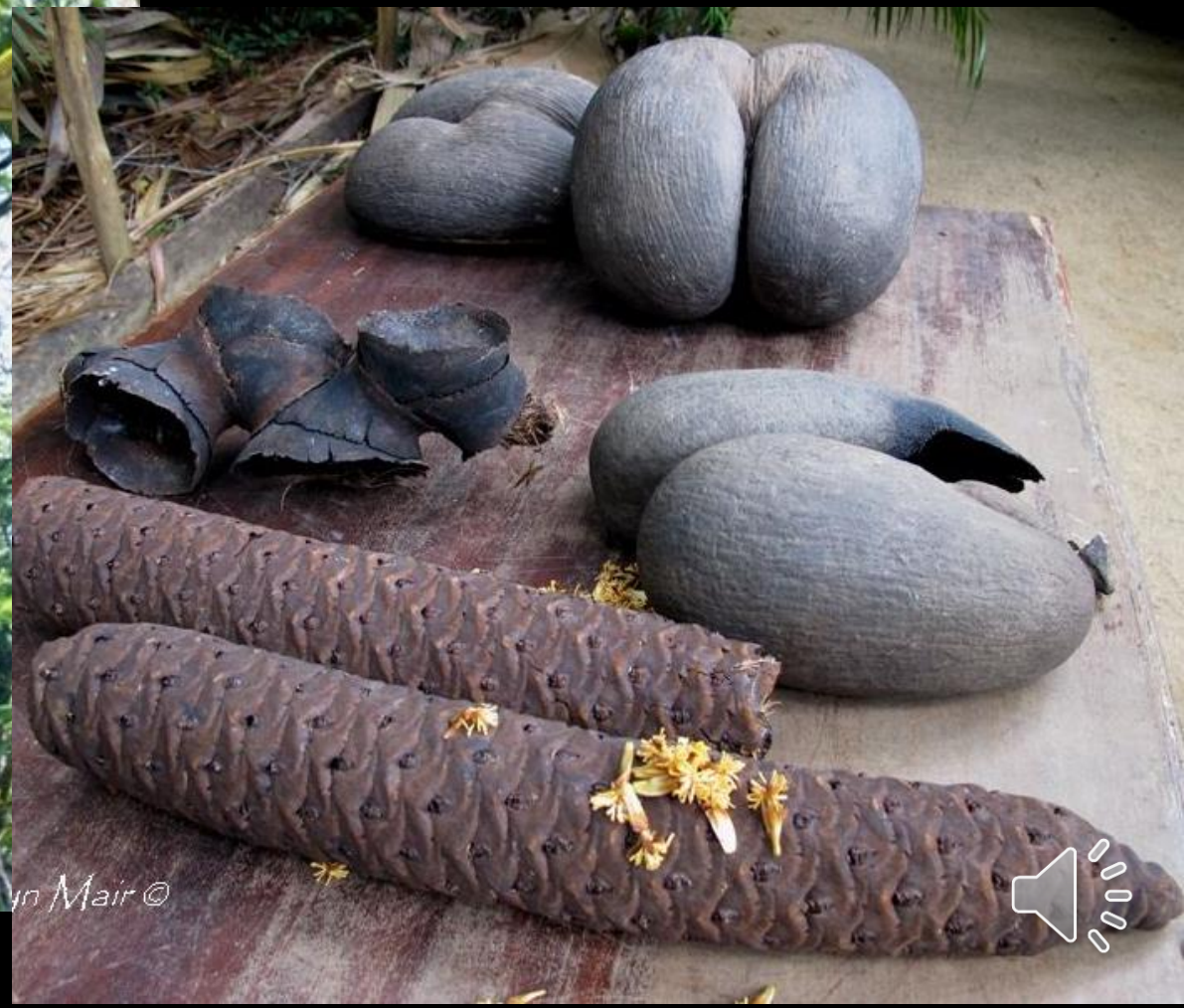


Coco de Mer *Lodoicea maldivica*

Female
24 m tall



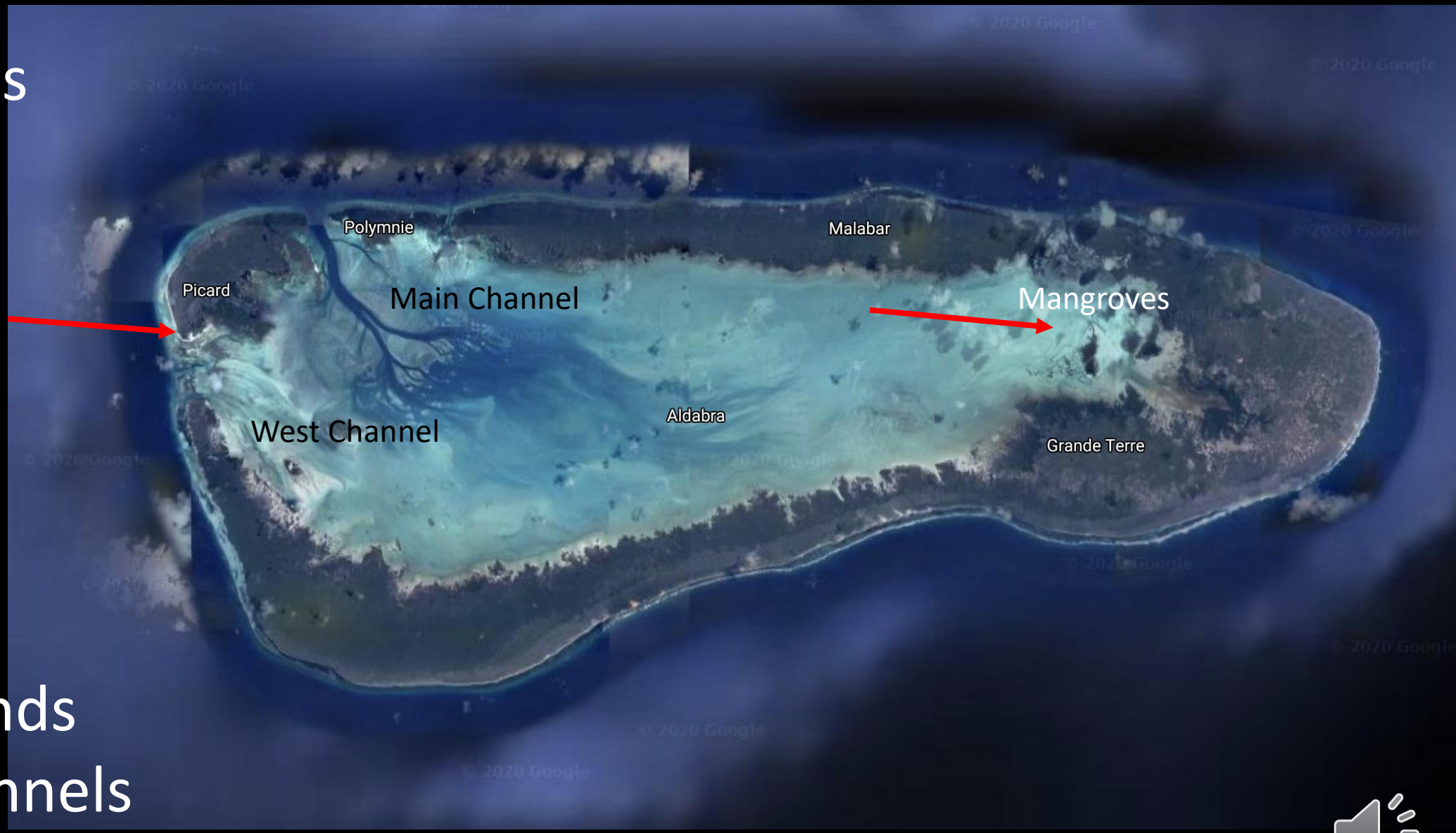
Female double nut



Aldabra Atoll Seychelles

34km long
14km across
154km²

My house



4 main islands
4 main channels


Flightless Rail






Red-footed Boobies and Frigate Birds
In the mangroves


Mangroves at low tide

Associated trees and shrubs

- Salt marshes, sarcornia, salicornia
- Phragmites
- Barringtonia sp
- Hibiscus tilaceus
- Entada rheedii - sea bean





Barringtonia asiatica

Champignon limestone formation at low tide



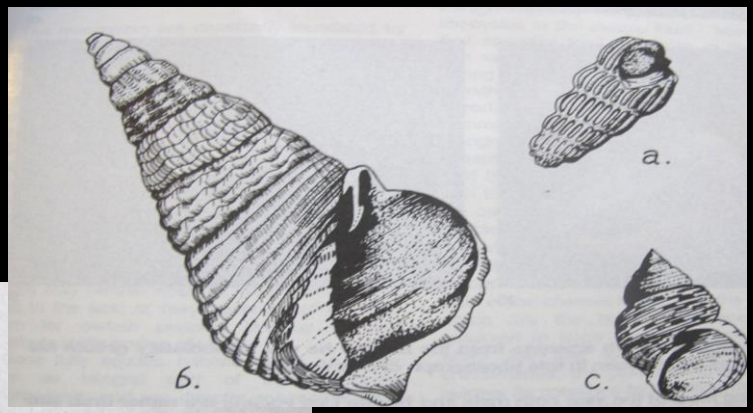
Angraecum eberneum

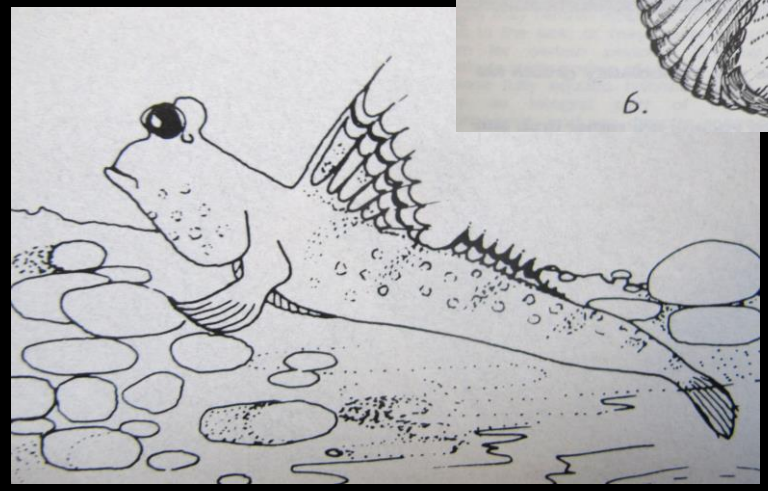


Uses of Mangroves

- Civil Engineers of the plant world
- Protect coastal plains from erosion
- Building up shore line or river banks
- Nursery areas for turtles and fish
- Protects coral reefs

Whelks





Mudskipper



- Beautiful hard wood termite resistant
- Used for building houses and bridges
- Cleared for agriculture,
- Housing and tourist development
- Rice fields, prawn and oyster farming
- Fishing



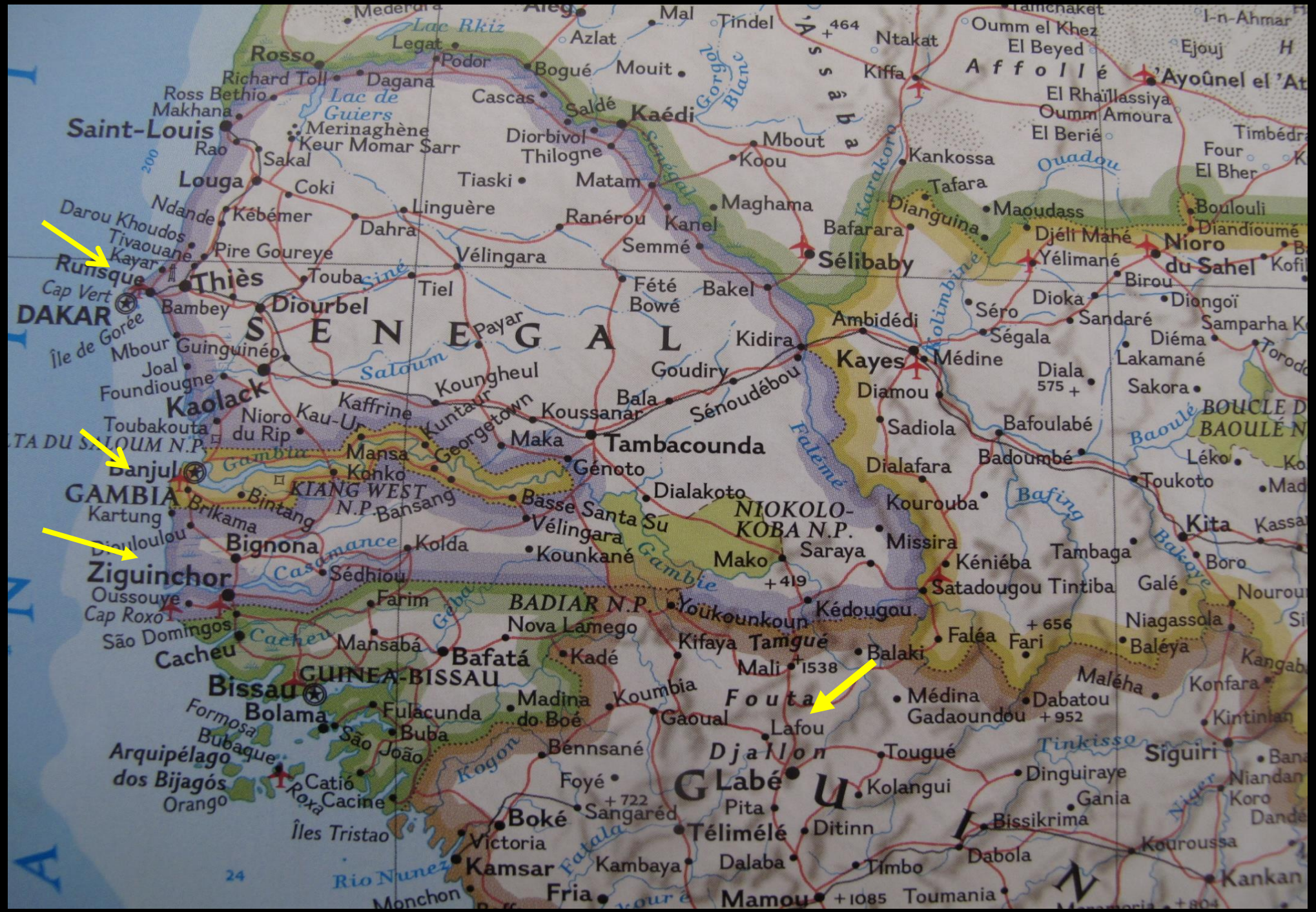

Sapele
Warri
Onitsha
Umuahia
Aba
Calabar
Port Harcourt
Oloibiri
Opobo
Kumba
Limbe
Malabo
BIOKO
EQUATORIAL GUINEA
Príncipe
SAO TOME & PRINCIPE
São Tomé
São Tomé
Annobón
Eq. Guinea
Cap Lopez
Port-Gentil
Omboué
(Fernan Vaz)
Iguéla
Setté Cama
Mayumba
Pointe Banda
Pointe-Noire
Angola
CABINDA
Cabinda
Loubomo
Dschang
Nkongsamba
Foumban
Garoua Boulaï
Yoko
Bafia
Douala
Bertoua
CAMEROON
Yaoundé
Eséka
Edéa
Mbalmayo
Ebolowa
Kribi
Campo
Djoum
Bata
RIO MUNI
Bitam
Oyem
Souanké
Sembé
Mékambo
Mitzic
Libreville
Kango
Makokou
Booué
GABON
Lambaréné
Lastoursville
Koulamoutou
Franceville
Mouila
M'Binda
Ndendé
Mossendjo
Tchibanga
Zanaga
Sibiti
BRAZZAVILLE
Mindouli
Kayes
Tshela
Madimba
Mbanza-Ngungu
Boma
Matadi
Congo River
Soyo
Noqui
Maquela do Zombo
M'banza Congo
Bembe
Tôto
N'zeto
Ambriz
Uíge
Baía do Bengo
Caxito
Camabatela
LUANDA
Catete
Ponta das Palmeirinhas
N'dalatando
Gamboula
Batouri
Yokadouma
Nola
Bayanga
Berbérati
Bangui
Mbaïki
Carnot
Bossembélé
Baoro
Bouar
Bossangoa
Bétou
Libenge
Zongo
Mogalo
Dongo
Gemena
Budjala
Businga
Dongou
Impfondo
Ouesso
Epéna
Imese
Bomongo
Basankusu
Mbandaka
Ingende
Boende
Bikoro
Etoumbi
Owando
Makoua
Ewo
Oyo
Okoyo
Mossaka
Lukolela
Gamboma
Djambala
Bolobo
Inongo
Kiri
Lac Ntomba
Mai-Ndombe
Kutu
Mushie
Bandundu
Dekese
Lokolama
Oshwe
Ilebo
Sibut
Kouango
Bambari
Sibut
Kikwit
Idiofa
Masi-Manimba
KINSHASA
(LÉOPOLDVILLE)
Pool Malebo
Popokabaka
Kasongo-Lunda
Feshi
Gungu
Luebo
Tshikapa
Mwene-Ditu
Luiza
Kahemba
Chitato
Camissombo
Caungula
Mbuji-Mayi
Mweka
Lisala
Bongandanga
Monveda
Busu-Djanoa
Gbadolite
Mobayi-Mbongo
Bangassou
Nzara
Yambio
Maridi
Tambura
Wau
Raga
Kuajok
Gogrial
Aweil
Abyei
Abyei
Kadugli
Dilling
Rashad
Babanusa
Muglad
Meiram
Abu Zabad
Sodiri
Umm Ruwaba
Ed Dueim
Kosti
Rabak
Sennar
Singa
Wad Medani
Gedaref
Kassala
Tokar
Port Sudan
Suakin
Halaib
Shalatein
Abu Ramad
Kufra
Oases
Jalu
Al Jaghbub
Siwa
Marsa Matruh
Alexandria
Rosetta
Cairo
Giza
Beni Suef
Minya
Asyut
Sohag
Qena
Luxor
Aswan
Abu Simbel
Wadi Halfa
Dongola
Karima
Abu Hamed
Atbara
Shendi
Omdurman
Khartoum
Khartoum North
Al Ubayyid
Kordofan
Darfur
Nyala
Al Fashir
Kutum
Mellit
Al Qadarif
Ad Damazin
Ar Rusayris
Malakal
Renk
Paloich
Upper Nile
Jonglei
Bor
Pibor Post
Akobo
Nasir
Gambela
Gambela Peoples
Itang
Pinyudo
Jikawo
Gog
Abobo
Nasir
Maban
Melut
Kodok
Fashoda
Kaka
Kapoeta
Narus
Lokichoggio
Lodwar
Kitale
Eldoret
Kisumu
Kericho
Nakuru
Nairobi
Kisii
Kisii
Kericho
Kisumu
Eldoret
Kitale
Lodwar
Lokichoggio
Narus
Kapoeta
Kaka
Fashoda
Kodok
Melut
Maban
Nasir
Akobo
Pibor Post
Bor
Jonglei
Upper Nile
Paloich
Renk
Malakal
Ar Rusayris
Ad Damazin
Al Qadarif
Kutum
Mellit
Al Fashir
Nyala
Darfur
Kordofan
Al Ubayyid
Khartoum North
Khartoum
Omdurman
Shendi
Atbara
Abu Hamed
Karima
Dongola
Wadi Halfa
Abu Simbel
Aswan
Luxor
Qena
Sohag
Asyut
Minya
Beni Suef
Giza
Cairo
Rosetta
Alexandria
Marsa Matruh
Siwa
Al Jaghbub
Jalu
Oases
Kufra
Abu Ramad
Shalatein
Halaib
Suakin
Port Sudan
Tokar
Kassala
Gedaref
Wad Medani
Singa
Sennar
Rabak
Kosti
Ed Dueim
Umm Ruwaba
Sodiri
Abu Zabad
Meiram
Muglad
Babanusa
Rashad
Dilling
Kadugli
Abyei
Abyei
Gogrial
Aweil
Kuajok
Raga
Wau
Tambura
Maridi
Yambio
Nzara

Mangroves Loango, Gabon






TR-LHE
AFRICA'S CONNECTION

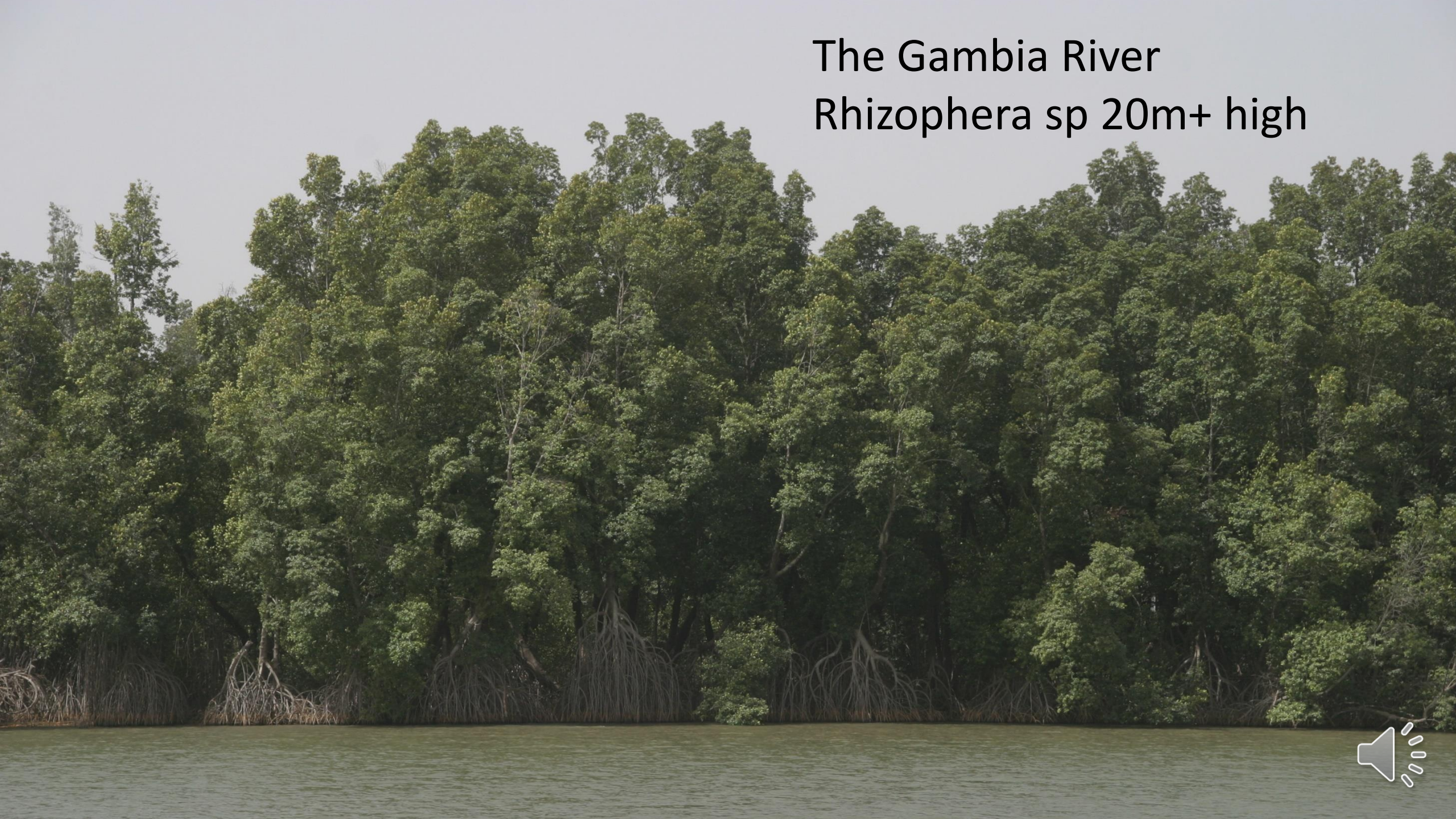

Rosso
Richard Toll
Dagana
Podor
Bogué
Mouit
Azlat
Tindel
Ntakat
Oumm el Khez
El Beyed
Kiffa
Affollé
'Ayoûnel el 'At
Ejouj
Lac Rkiz
Legat
Ross Bethio
Makhana
Lac de Guiers
Merinaghène
Keur Momar Sarr
Cascas
Saldé
Kaédi
Gorgol Blanc
Saint-Louis
Rao
Sakal
Diorbivol
Thilogne
Mbout
Koou
Kankossa
El Rhaïllassiya
Oumm Amoura
El Berié
Timbédra
Four
El Bher
Louga
Coki
Tiaski
Matam
Tafara
Ouadou
Ndande
Kébémer
Linguère
Maghama
Dianguina
Maoudass
Boulouli
Darou Khoudos
Tivaouane
Dahra
Ranérou
Kanel
Bafarara
Djéli Mahé
Diandioumé
Kayar
Pire Goureye
Vélingara
Semmé
Sélibaby
Yélimané
Nioro du Sahel
Birou
Runisque
Thiès
Touba
Tiel
Fété Bowé
Bakel
Dioka
Diongoï
Cap Vert
DAKAR
Bambey
Diourbel
Séro
Sandaré
Samparha
Île de Gorée
Mbour
Guinguinéo
Payar
Kidira
Ambidédi
Ségala
Diéma
Joal
Foundiougne
Kaolack
Koungheul
Goudiry
Kayes
Médine
Lakamané
Toroda
Saloum
Sénoudébou
Diamou
Diala
575 +
Sakora
Toubakouta
Nioro du Rip
Kau-Ur
Kaffrine
Kuntaur
Georgetown
Koussanar
Bala
Sadiola
Bafoulabé
BOUCLE D
BAOULÉ N
Baoulé
Maka
Tambacounda
Falémé
Mansa Konko
Génoto
Dialafara
Badoumbé
Léko
Banjul
GAMBIA
KIANG WEST N.P.
Bintang
Brikama
Bansang
Dialakoto
Basse Santa Su
Kourouba
Toukoto
Kartung
Bignona
Vélingara
NIOKOLO-KOBA N.P.
Missira
Kita
Kassa
Casamance
Kolda
Kounkané
Mako
Saraya
Kéniéba
Tambaga
Bafing
Bakoye
Ziguinchor
Sédhiou
Gambie
+ 419
Satadougou
Tintiba
Galé
Boro
Oussouye
Farim
BADIAR N.P.
Youkounkoun
Kédougou
Cap Roxo
São Domingos
Nova Lamego
Niagassola
+ 656
Faléa
Fari
Baléya
Geba
Cacheu
Mansabá
Kifaya
Tamgué
Balaki
Mali
+ 1538
Cacheu
Bafatá
Kadé
Maléha
Konfara
GUINEA-BISSAU
Bissau
Madina do Boé
Koumbia
Fouta
Médina Gadaoundou
Dabatou
+ 952
Kintinian
Bolama
Fulacunda
Gaoual
Lafou
Formosa
Bubaque
São João
Buba
Bennsané
Djallon
Tougué
Tinkisso
Siguiri
Arquipélago dos Bijagós
Orango
Catió
Roxa
Cacine
Kogon
Foyé
Labé
Dinguiraye
Niandan
Koro
Dandé
Gania
Boké
+ 722
Sangaréd
Pita
Kolangui
Bissikrima
Îles Tristao
Victoria
Télimélé
Ditinn
Kouroussa
Fatala
Kambaya
Dalaba
Dabola
Kamsar
Timbo
Kankan
Rio Nunez
Fria
Mamou
+ 1085
Toumania
24



James Island in The Gambia River mouth


Baobab *Adansonia digitata*
in the Sahel N Senegal


KILLER
MANAGER
MOMS


The Gambia River
Rhizophera sp 20m+ high

Borassus Palms

About 150kms from the coast




The Gambia River
Bolong or creek



African Fish Eagle







African Finfoot


Oysters on the mangrove roots
and a Malachite Kingfisher


Casamance River
S. Senegal
Silk Cotton Tree
Ceiba pentandra
Kapok 60m tall




Auckland, New Zealand
Southernmost mangroves
Avicinnia marina


Bom Bom
Resort Principí

San Antonio, Principe

Traveller's Palms



São Tomé begonia

Begonia baccata

Can grow to 4m tall




Porcelain Rose *Etingera elatior*
Torch ginger


Coffee flowers
Caffea arabica

São Joao Coco plantation



Unripe coco pods






Marjorelle Gardens Marrakech Morocco





Ancient olive trees in Ein Kerem, Jerusalem

The Rose Garden near The Knesset, Jerusalem












Capers
Capparis spinosa


The Common Globe Thistle
Echinops adenocaulos


Wild Hollyhock
Alcea setosa


CAMBODIA
LOW / HILLS / MOUNTAINS
© WorldAtlas.com
Mekong River
Laos
100 mi
100 km
Thailand
DANGRET MTS.
EASTERN HIGHLANDS
Cambodia
Angkor
Poipet
Siemreab
Stung Treng
Batdambang
Tonle Sap Lake
Mekong River
Kratie
CARDAMOM MTS.
Kompong Luong
Kampong Cham
Udong
N
Krong Koh Kong
Phnom Penh
Vietnam
Kampot
Sihanouville
Bokor N.P.
Ho Chi Minh City
Mekong Delta
S. China Sea
Gulf of Thailand


Angkor Wat
Cambodia


Banyan tree



Nypa Palm
Kinabangtan River Borneo


Proboscis monkey, Borneo



WHERE IS BHUTAN?





Wandering Albatross

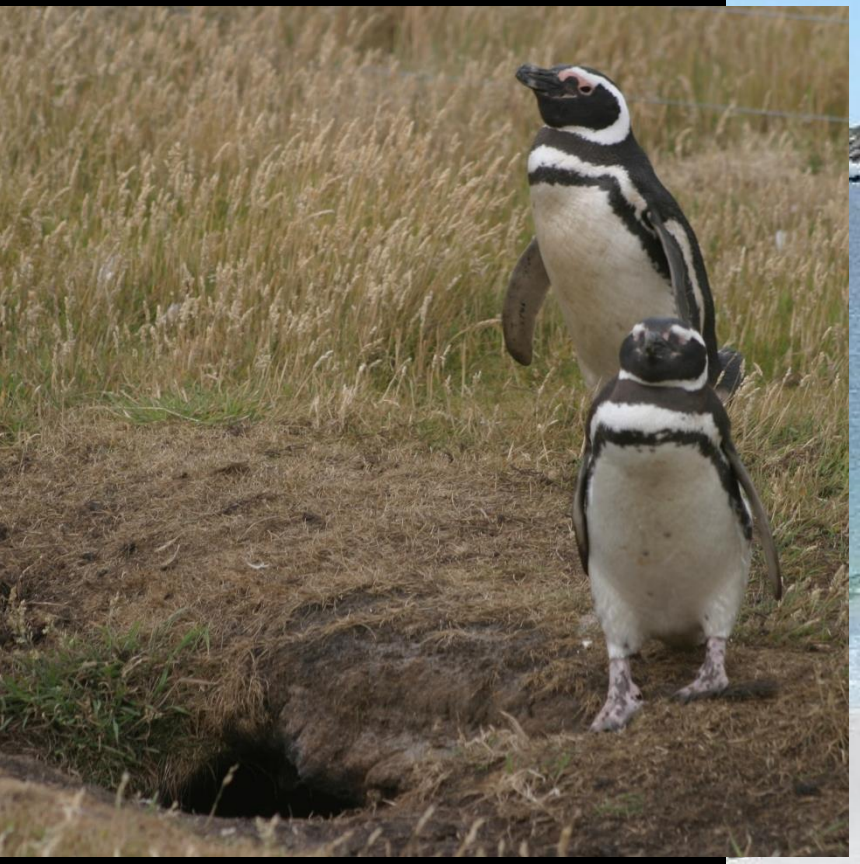




Stanley The Falklands 51°41’ S



Magellanic Penguins



Gypsy Cove


Diddle Dee



Falkland Lady's Slipper



Flowers Dec and Jan

Pale Maiden *Sisyrinchium filofolium*



National Flower

Flowers mainly in spring



On your knees to look at the tiny Pearlwort at 62°S Elephant Point
Livingston Island, South Shetlands









Norway and Svalbard

Finally to UK






Vega Island Norway 65.7°N
UNESCO World Heritage site
Eider ducks


Early Spring Orchids

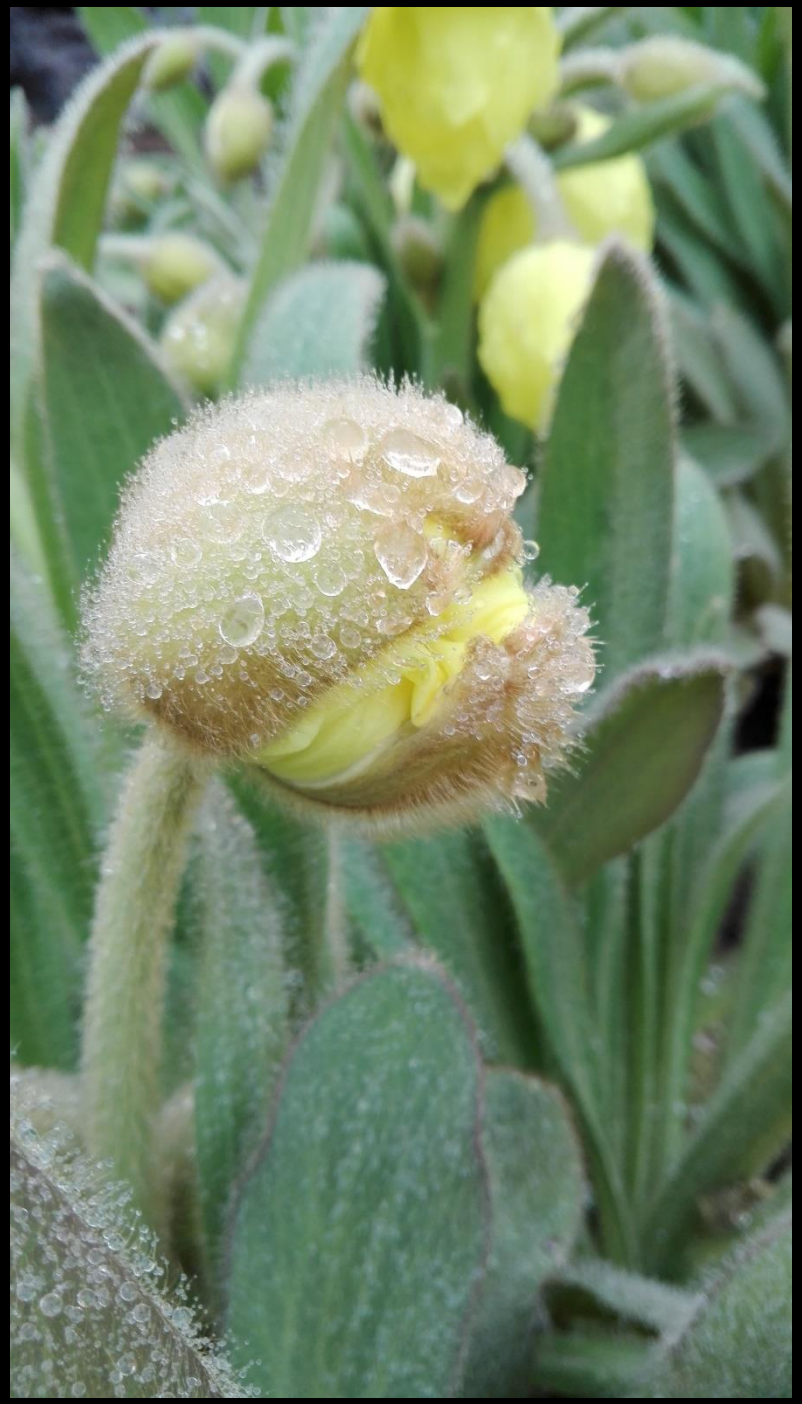







Tromsø Botanical Gardens Norway 69°40’N







Ymerbukta Glacier 73°N






Arctic Poppy
Papaver radicatum


Purple Saxifrage *Saxifraga oppositifolium*


Scotland

Himalayan Blue Poppy *Meconopsis baileyi*
Growing in the walled garden



Dale Chihuly
Glass sculptures at
Kew Gardens







Namibia

The Orange River at Norotshama Lodge







Wild Sesame

Sesamum capense




Welwitschia mirabilis



Hoodia currori






Quiver Tree
Aloe dichotoma





The End
Thank you







