

Lien entre les zones de développement des immatures en Martinique et les habitats des adultes en Guyane révélés par le suivi satellitaire et la génétique



Philippine CHAMBAULT

Laboratoire « Halieutique et Méditerranée »

GTMF 2018



© CNRS



BENJEN STARK



EDDARD STARK

MARRIED



CATELYN STARK



EDMURE TULLY

HOUSE ARRYN

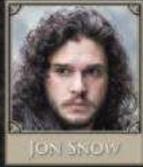


LYSA ARRYN

MARRIED



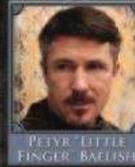
JON ARRYN



JON SNOW

HOUSE STARK

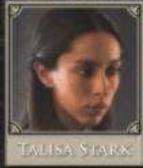
MARRIED



PETYR 'LITTLE FINGER' BAEISH

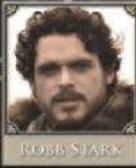


ROBIN ARRYN



TALISA STARK

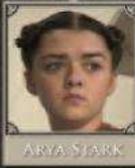
MARRIED



ROBB STARK



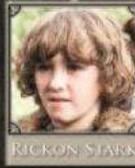
SANSA STARK



ARYA STARK

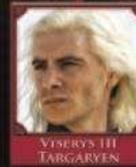


BRAN STARK

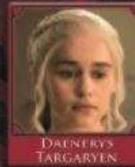


RICKON STARK

HOUSE TARGARYEN



VISERYS III TARGARYEN



DAENERYS TARGARYEN



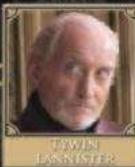
KHAL DROGO

GAME OF THRONES



JOANNA LANNISTER

MARRIED



TYWIN LANNISTER



TYRION LANNISTER

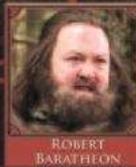


JAIMÉ LANNISTER

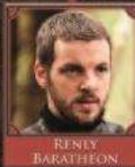


CERSEI LANNISTER

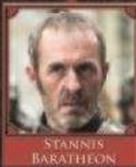
MARRIED



ROBERT BARATHEON

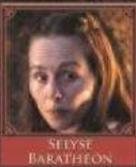


RENLY BARATHEON



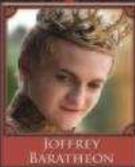
STANNIS BARATHEON

MARRIED



SEELYE BARATHEON

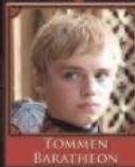
HOUSE LANNISTER



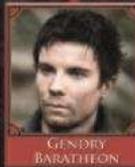
JOFFREY BARATHEON



MYRCELLA BARATHEON



TOMMEN BARATHEON



GENDRY BARATHEON

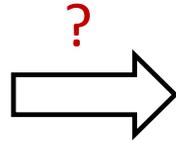


SHIREEN BARATHEON

HOUSE BARATHEON

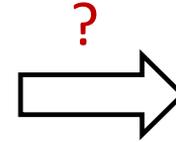
Océanique

Habitat des
'Années
perdues'



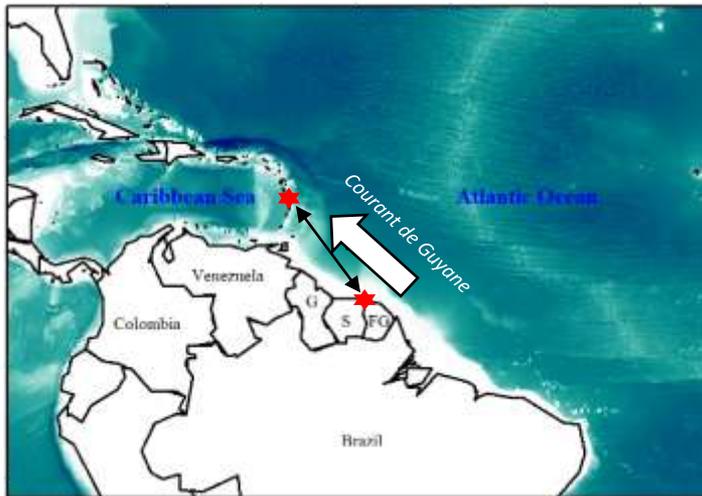
Néritique

Habitat de
« développement »



Néritique

Habitat des
adultes



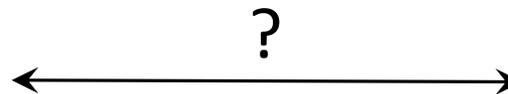
- Origine & destination post-développement?
- Tortues vertes immatures en Martinique
- Tortues vertes adultes en Guyane française

**Lien génétique entre les tortues vertes de
Guyane et celles de Martinique?**

Martinique



Immatures



Guyane



Adultes

1) Capture



1) Capture (CMR)



$n=425$

2) Mesures & Pesées



$n=425$

3) Biopsies



$n=425$

4) Pose de balise



$n=31$

D'où viennent-elles?

Analyses génétiques
 $n=40$

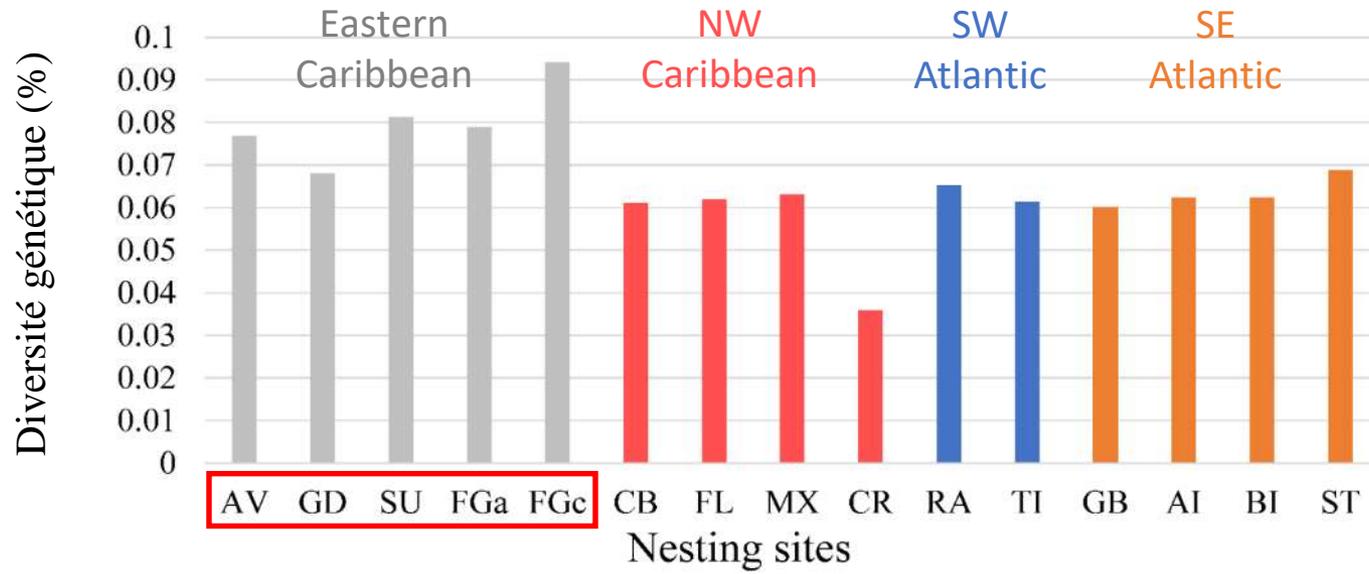


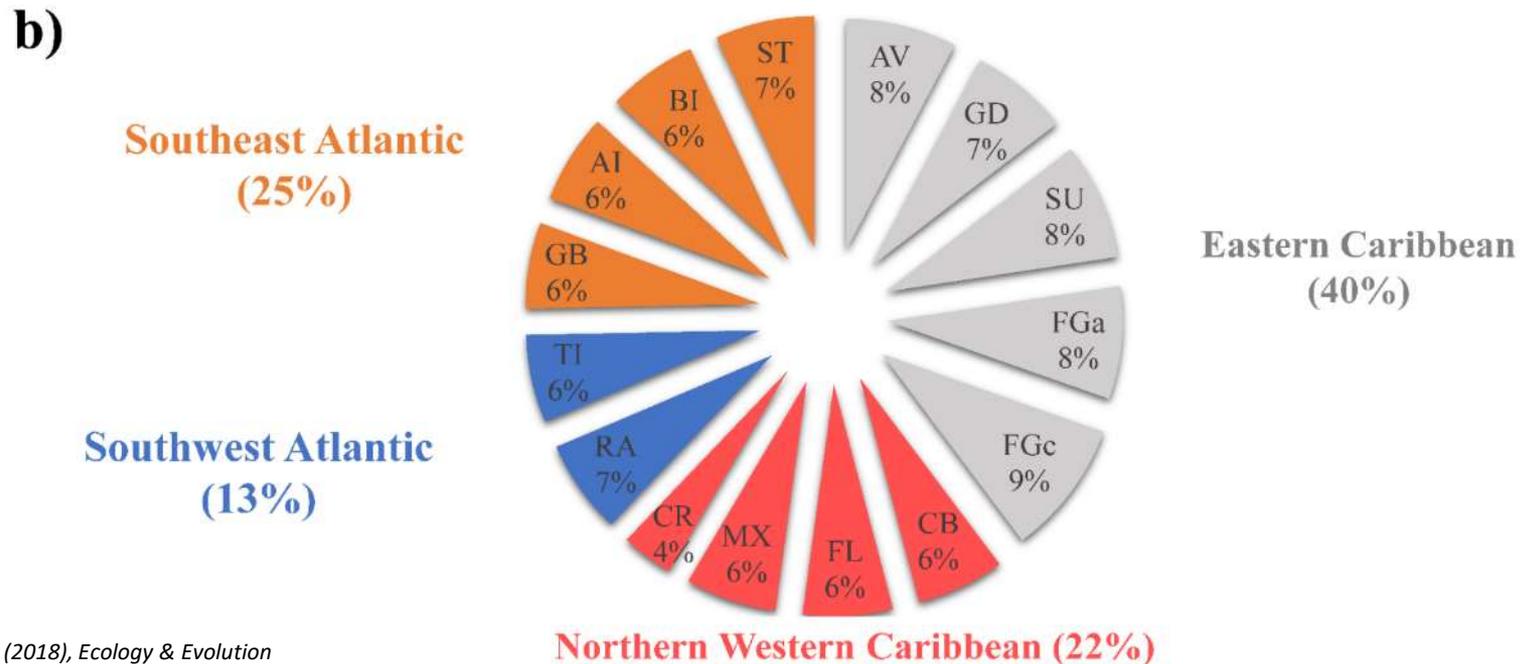
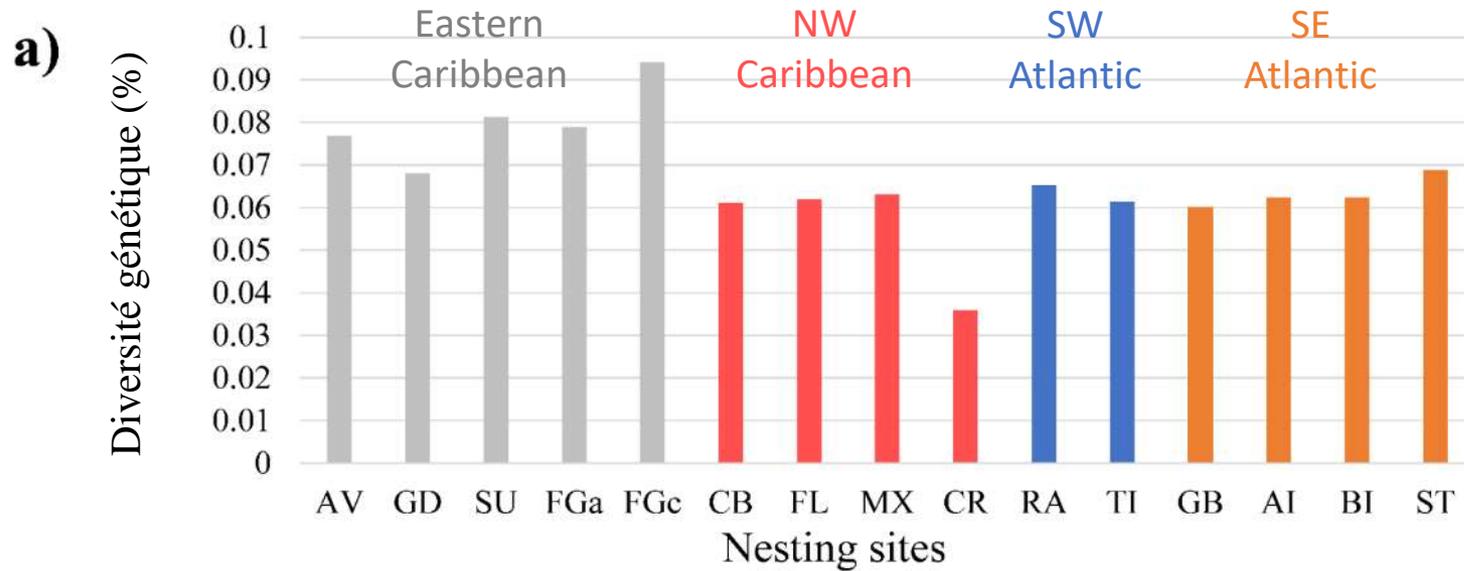
Où vont-elles?

Télémétrie satellitaire
 $n=31$

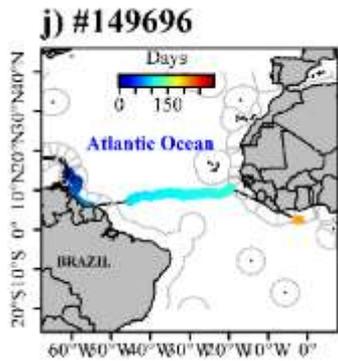
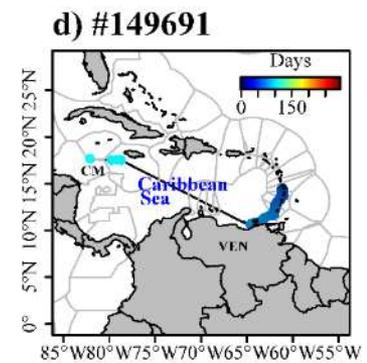
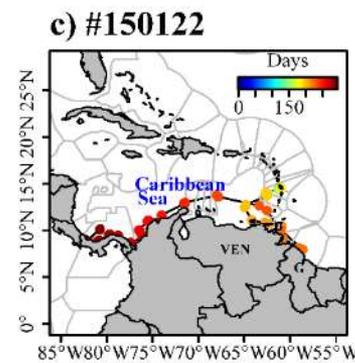
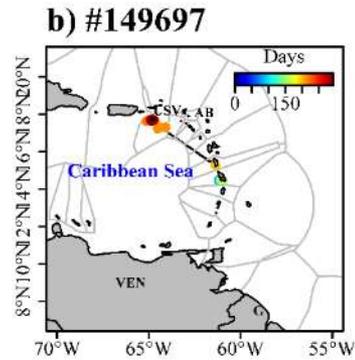
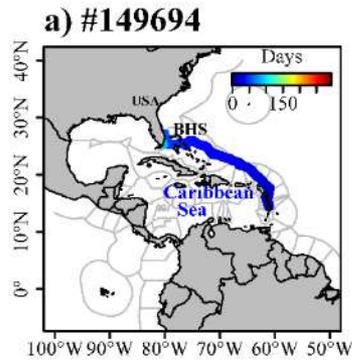


a)

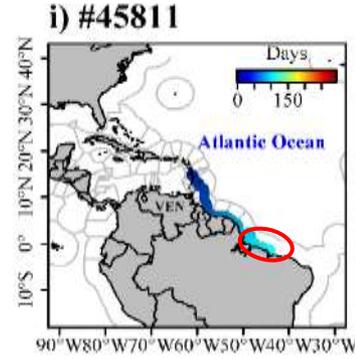
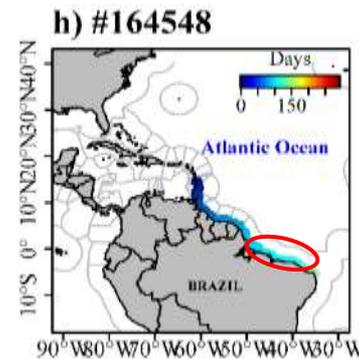
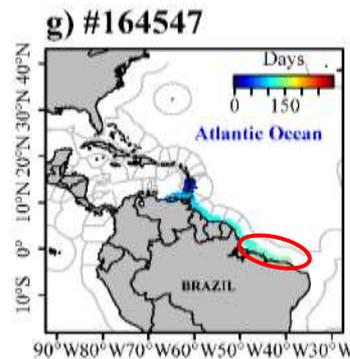
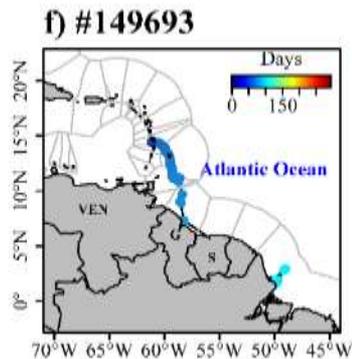
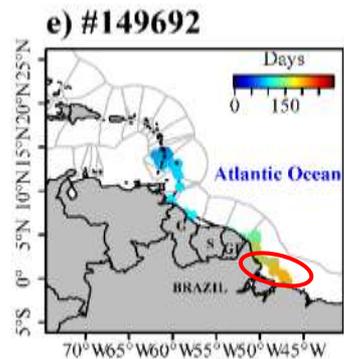




Destinations

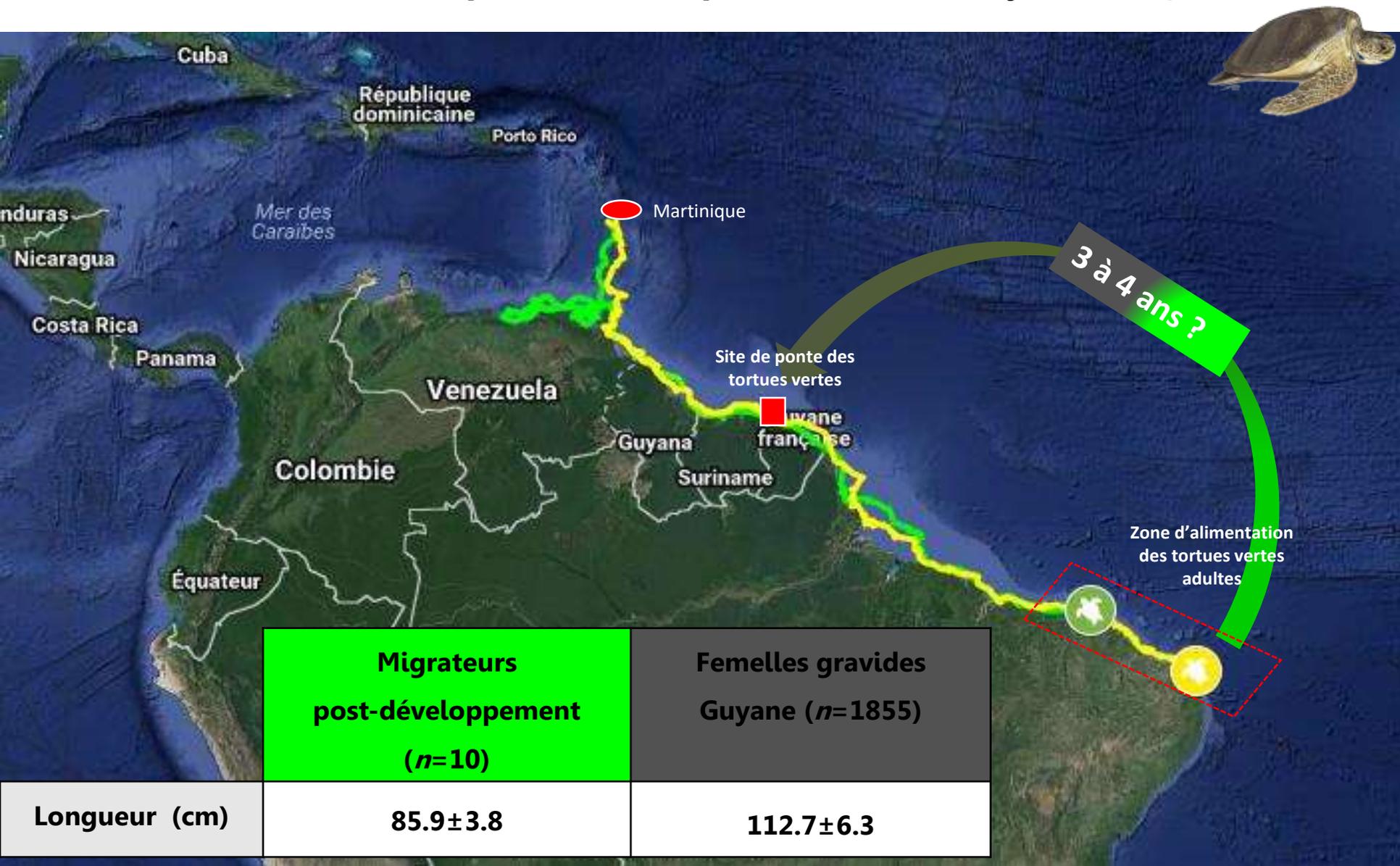


- 10 tortues ont quitté la Martinique
- 6 directions différentes
- 1^{ère} traversée transatlantique
- 50% ont rejoint les zones d'alimentation des adultes de Guyane



Conclusions

Tortues vertes de Martinique = futurs reproducteurs de Guyane française ?



Comment la recherche d'aujourd'hui peut améliorer la gestion des tortues marines de demain ?

Ifremer



1. Dynamique spatiale côtière

- Déplacements
- Habitat
- Comportement

2. Technologie LoRA

- Balises « low cost »
- IoT Ifremer-Interreg-Réunion
- PloT Ifremer-TAAF

Projet NeXT

4. Contaminants

- Sang, écaille, muscle
- Organique & inorganique
- 3 océans

3. Génétique

- Structuration
- Connectivité



ifremer

Merci de votre attention



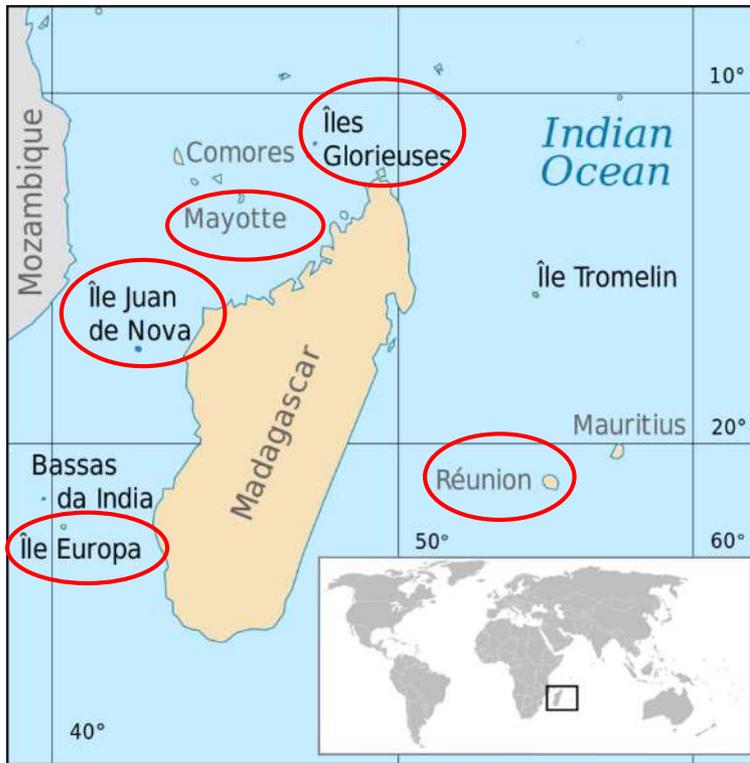
Philippine.Chabault@ifremer.fr

Chambault P, ..., Chevallier D, 2018, Ecology and Evolution

Volet 1: Dynamique spatiale & comportement



Quelle est la dynamique spatiale et l'utilisation de l'habitat à fine échelle des juvéniles sur leurs sites de développement ?



Imbriquée



Verte

Pressions anthropiques :

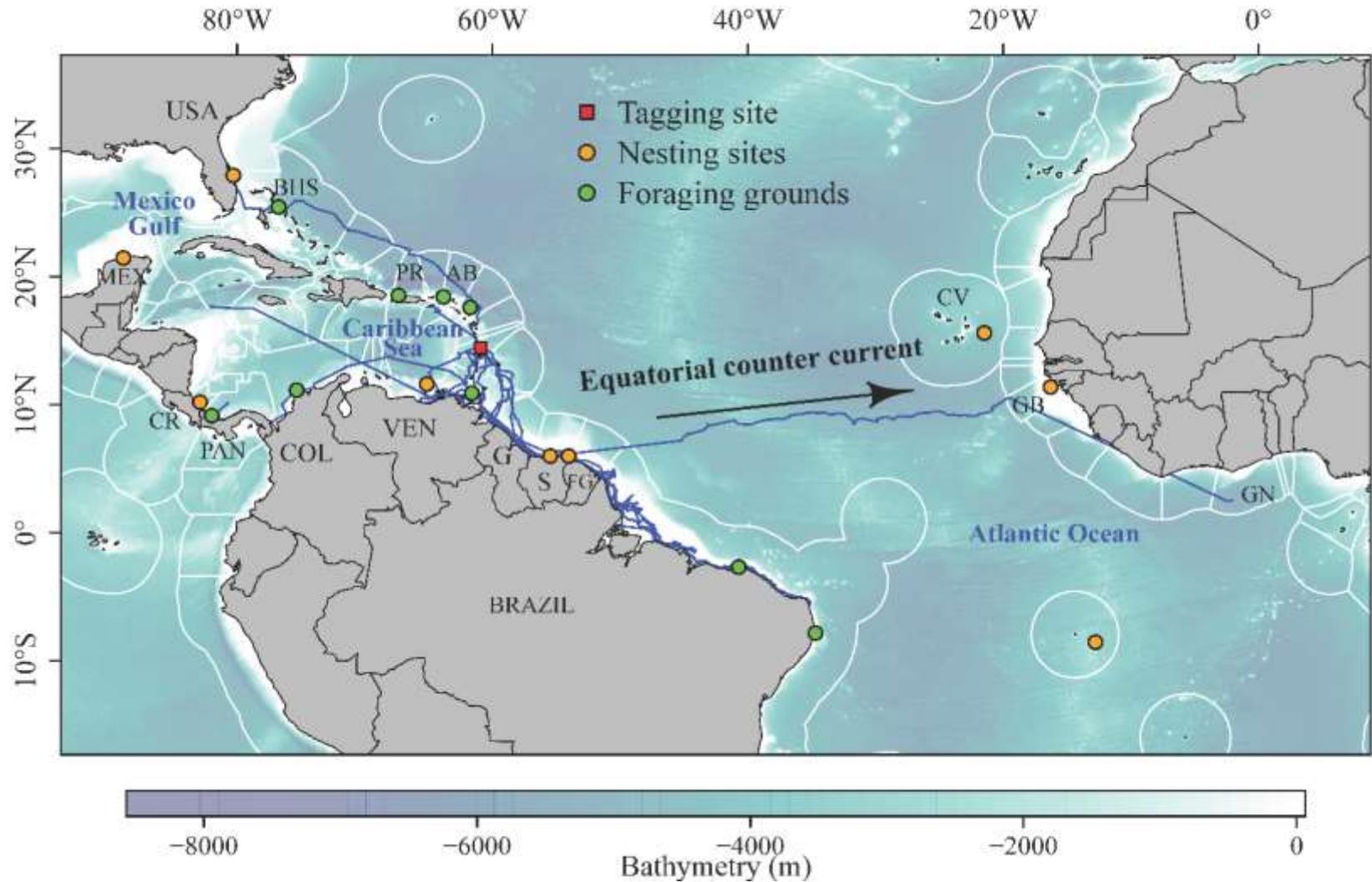
Sanctuaire marin > AMP > Anthropisé

Ecosystèmes contrastés :

Mangrove, herbiers, coraux...



Destinations



- 10 tortues ont quitté la Martinique
- 50% ont rejoint les zones d'alimentation des adultes de Guyane