

2008-2012: 1st National Action Plan > 5 years

The second (and current) National Action Plan has been written in concertation with all structures gathered in the MT network, through several thematic workshops in 2013

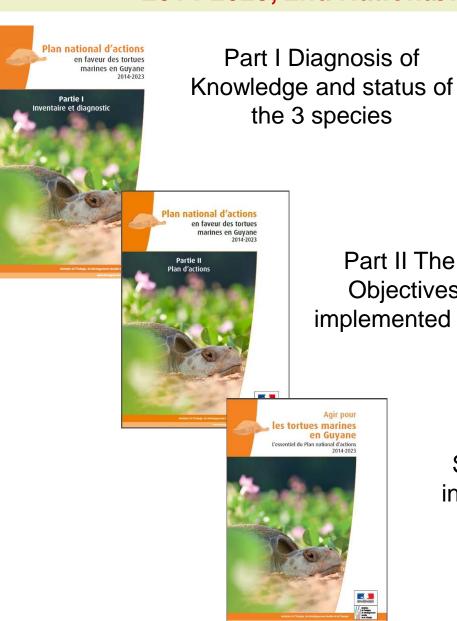






Workshops to determine actions to implement, priorities, leaders of actions and partnerships

2014-2023, 2nd National Action Plan > 10 years



Part II The Action Plan:
Objectives and Actions
implemented by priority order

Summary version in French & English

http://www.tortuesmarinesguyane.org

2014-2023, 2nd National Action Plan > 10 years

Main objective: Improve the conservation status of the marine turtles

5 main components:

- 1- Alleviating threats (at sea and on land)
- 2- Research for conservation
- 3- Transboundary cooperation
- 4- Environmental education
- 5- Promoting as social and economical asset

A total of 95 action sheets prioritized by the MT network







MT NETWORK (around 25 structures)

Protected areas



Collectivité

Territoriale de Guyane DEAL: The contracting authority of the NPA









National Authorities

Research organisms



State organisms (Regional Ministry of Environnement, ONCFS...)

> Transboundary partners

Division, Suriname



Users (fishermen, tourism office...)

PA DE CONSERVATION 201





NGOs (KWATA,...)







City halls

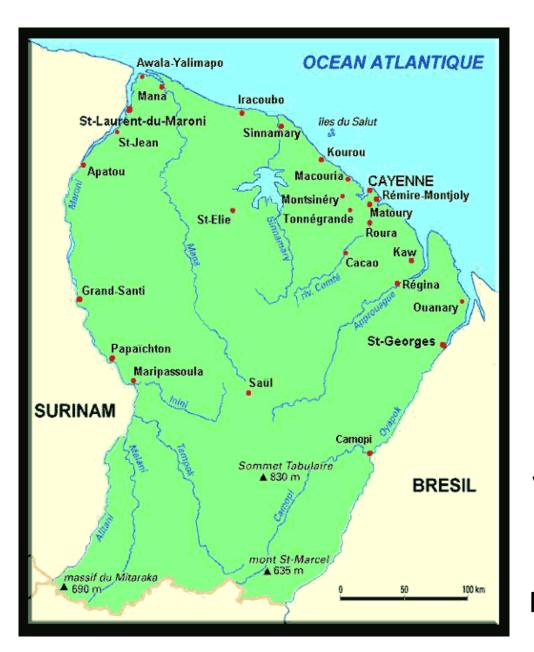












No more than 30km of nesting beaches on the 300km of coast

Coast: highly dynamic under the Amazon influence



Some beaches appear / disappear

Variability of the accessibility to the beaches

Mud banks could be an obstacle for MT

Marine Turtles in French Guiana



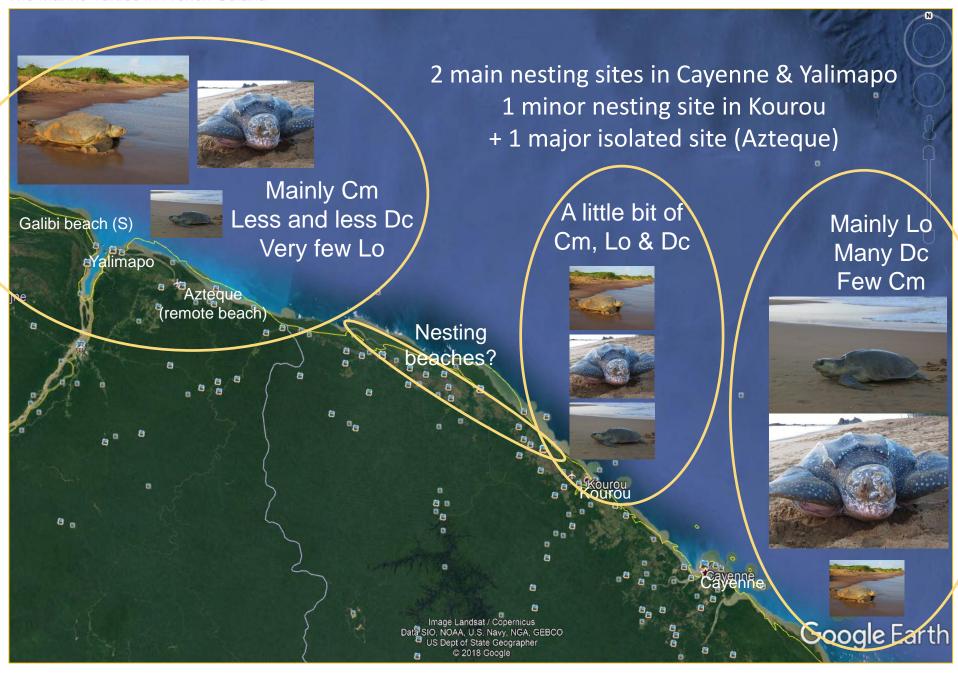




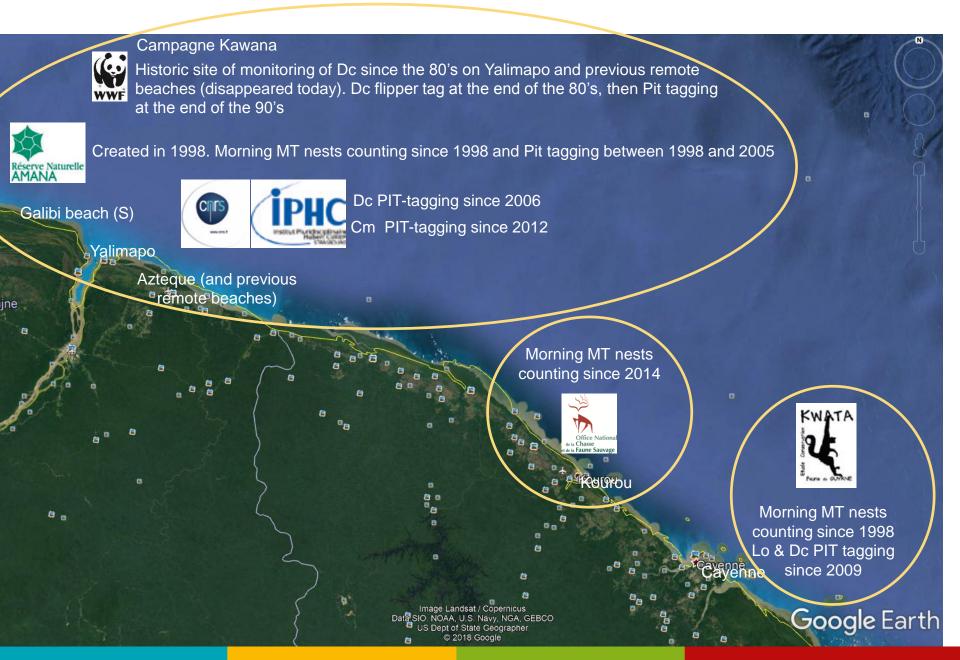
Monitoring:

Since the end of the 70's **in the West** (mainly the leatherback in Yalimapo/Les Hattes beach, one of the major nesting site for leatherback in the world)

Since the end of the 90's **in the East** (mainly Olive Ridley)

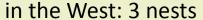


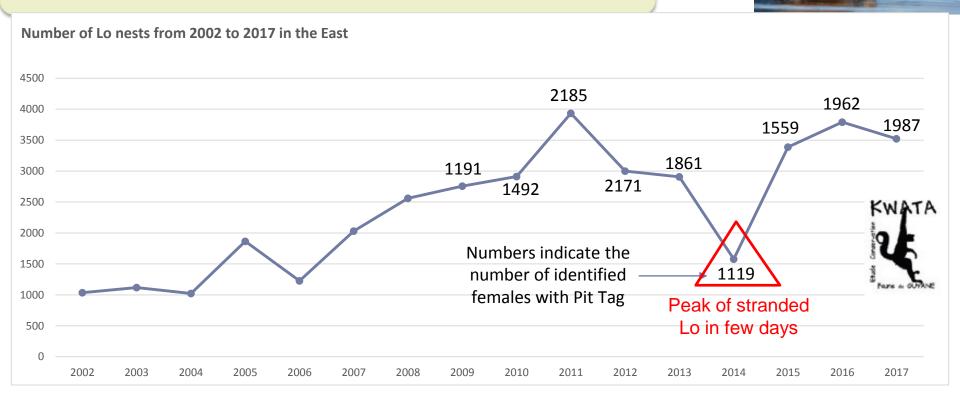
Partners of the MT monitoring



How many Olive ridley in French Guiana?

In 2017: in the East 3848 nests / 1987 Lo identified

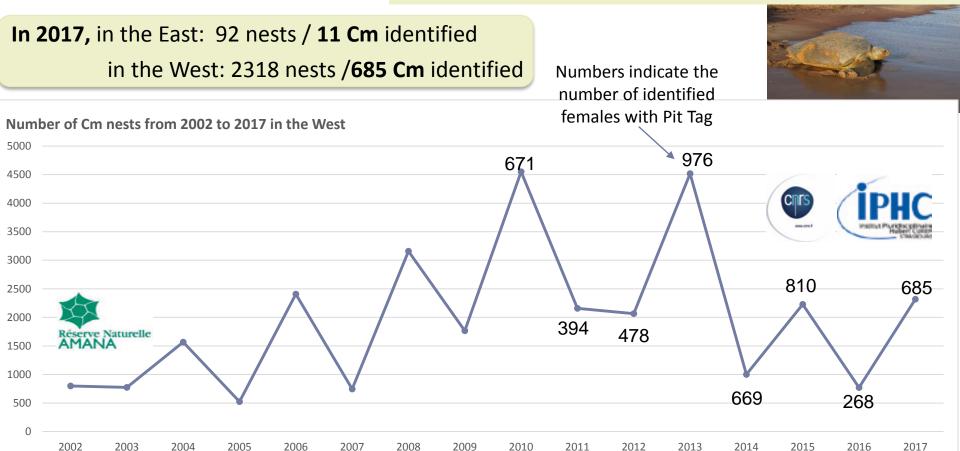




The counting monitoring effort is exactly the same year after year

The number of identified females (pit-tagging by night) is mostly exhaustive year after year (depending of the task force until the end of the season)

How many Green turtle in French Guiana?



Number of nests is not corrected by the monitoring effort which is variable from year to year

The number of identified females is exhaustive since 2012

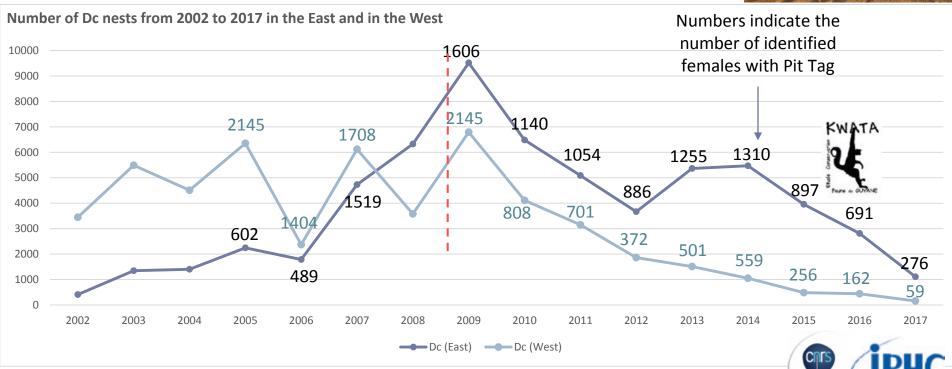
It is highly probable that a part of this population nests in Suriname > importance of transboundary cooperation to have a exhaustive situation

How many leatherback in French Guiana?

In 2017: in the East: 1106 nests / 276 Dc identified

in the West: 156 nests / 59 Dc identified





Heterogeneity of the nest counting effort between the East and the West

It is highly probable that a part of West population nests in Suriname

Diminution of the number of nests in the East and in the West since 2009

All marine turtles are protected in France



Recent regional evaluation of FG Species (2016)

Species	Mondial Red List	Regional Red List	Tendency
Chelonia Mydas	EN	VU	`
Dermochelys coriacea	VU	VU	1
Lepidochelys olivacea	VU	NT	\rightarrow

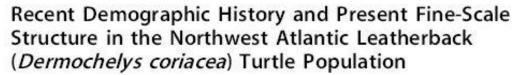
Particular evaluation of the Dc (distinction from West and East)

Species	Population	Regional Red List	Tendency
Dermochelys coriacea	West	EN	\
Dermochelys coriacea	East	NT	\longrightarrow

Focus on genetic studies led by Kwata (Benoît de Thoisy)

OPEN & ACCESS Freely available online





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Genetic structure between the Dc in the East and in the West

Genetic signature nearer between Dc from Antilles/Cayenne than between Cayenne/ Yalimapo



Mitochondrial DNA

The Journal of DNA Mapping, Sequencing, and Analysis

ISSN: 1940-1736 (Print) 1940-1744 (Online) Journal homepage: http://www.tandfonline.com/loi/imdn20

Taylor & Francis
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Taylor & Francis Group

Two others studies on the Cm genetic are in course

Mixed-stock analysis in green turtles Chelonia mydas: mtDNA decipher current connections among west Atlantic populations

Juliana Costa Jordao, Ana Cristina Vigliar Bondioli, Lurdes Foresti de Almeida-Toledo, Karin Bilo, Rachel Berzins, Yvon Le Maho, Damien Chevallier & Benoit de Thoisy

Contact: benoit@kwata.net

Focus on the satellite tracking led by CNRS-IPHC (Damien Chevallier)



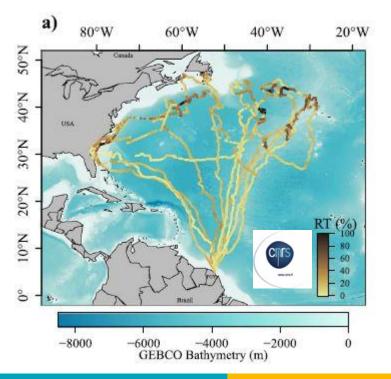
On Green turtles

Baudouin et al. 2015. Biol.Cons Chambault et al. 2015. PlosOne Chambault et al. 2016 Mar Ecol Prog Ser









On Olive ridley

Chambault et al. 2016. Progress in oceanography

On Leatherback

Chambault et al. 2017. Deep Sea research

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Thank you for your attention! Special thanks to Hanneke from WWF Suriname for the presentation



