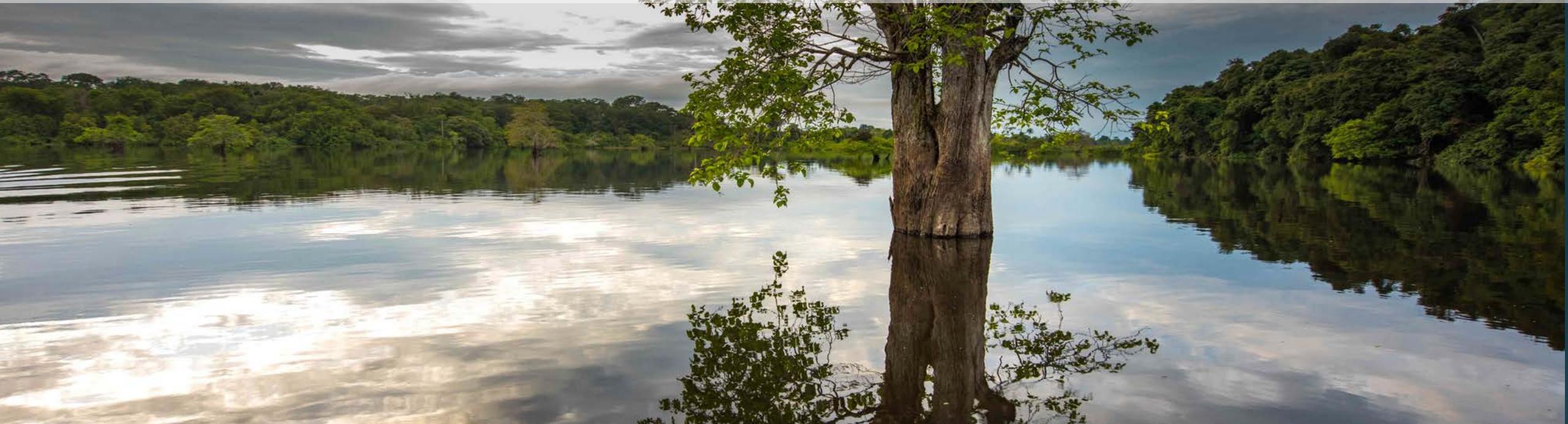


Les services hydrométéos pour la protection de la biodiversité



Emmanuel Mambela
Spatial Info Analyst
Gabon Program

The Nature
Conservancy
Africa



RLC©

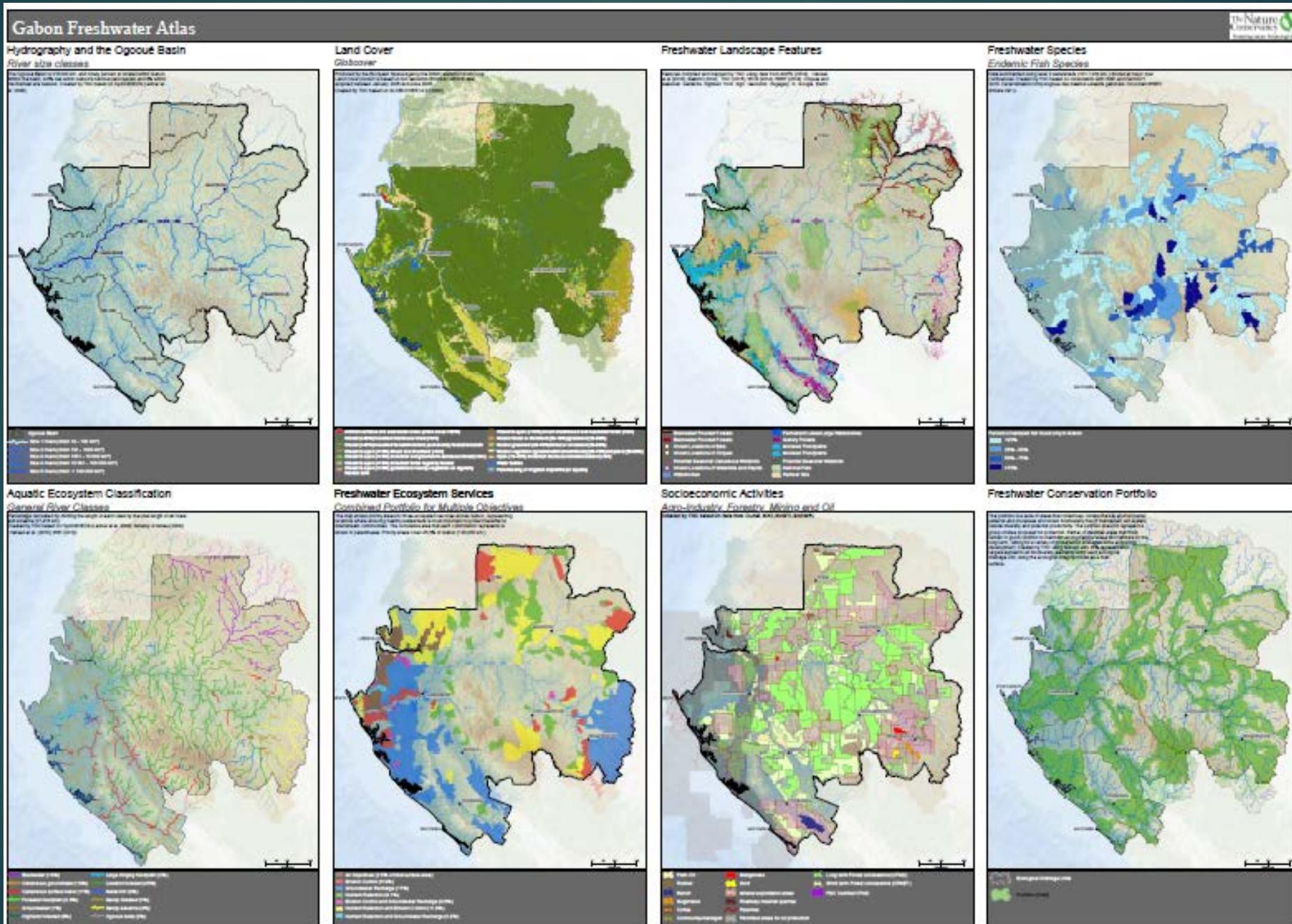
Photo: Karine Anger



Au Gabon, notre stratégie consiste à:

- Utiliser la science comme base de la planification de l'utilisation des terres
- Aider à la gestion durable de la pêche en eau douce
- Aider à pratiquer l'Hydroélectricité durable

Contexte



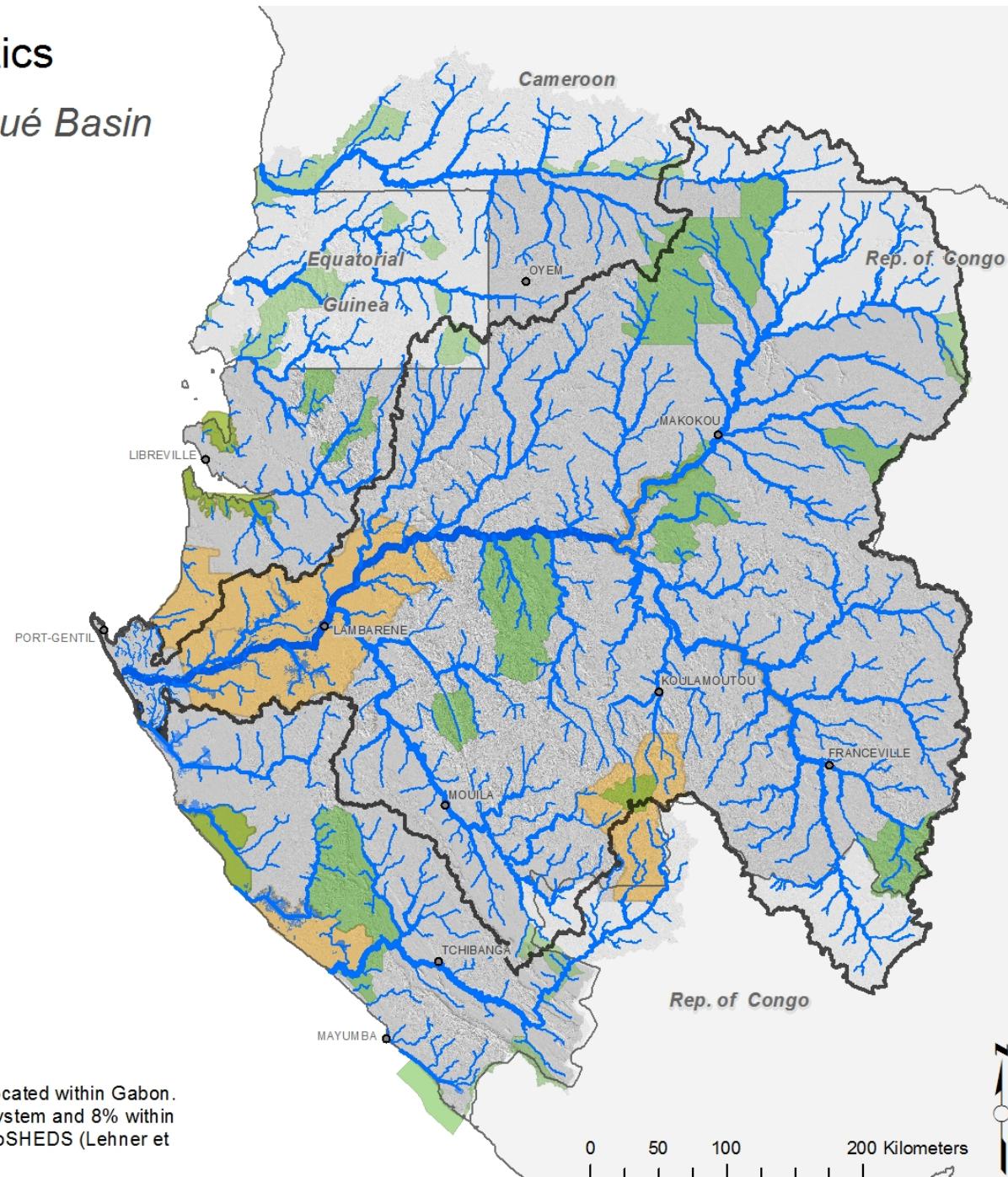
Contexte

Geophysical Characteristics

Hydrography and the Ogooué Basin

-  Ogooué Basin
-  National Park
-  Ramsar sites
-  1 River size class
-  2
-  3
-  4
-  5

The Ogooué Basin is 218,000 km² and ninety percent is located within Gabon. Within the basin, 9.6% lies within Gabon's national park system and 8% within the Ramsar site network. Created by TNC based on HydroSHEDS (Lehner et al. 2008).



Contexte

23 stations de mesure réparties dans tout le Gabon dès 1965.

À notre connaissance, toutes les stations sont inactives depuis 1989, à l'exception de celle de Lamberené, qui continue de collecter des données quotidiennes.

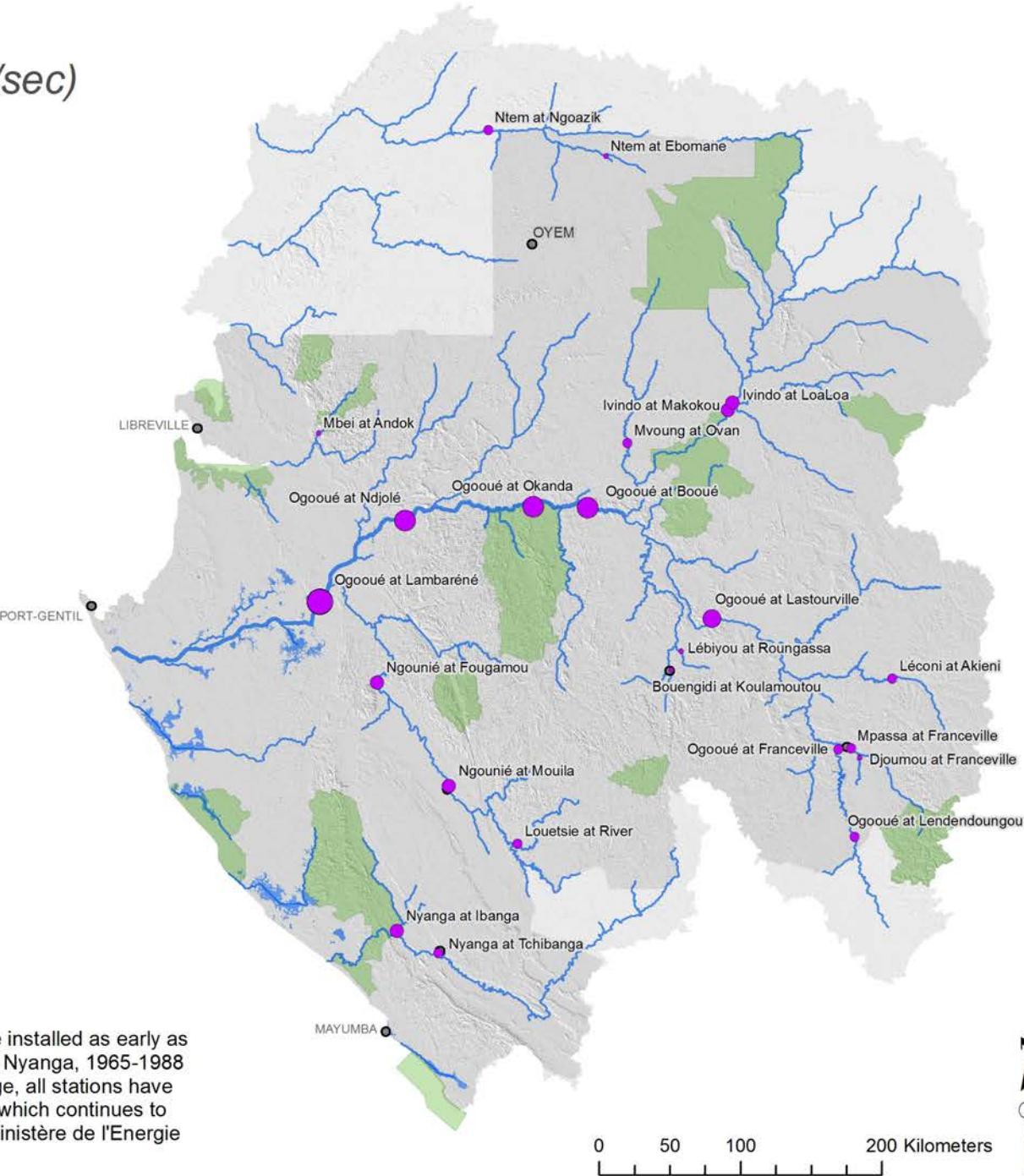
Gauge Stations

Mean Annual Discharge (m^3/sec)

- < 100
- 100 - 350
- 350 - 1,000
- 1,000 - 2,000
- 2,000 - 3,500
- 3,500 - 5,000

 National Park

Locations for 23 gauge stations throughout Gabon that were installed as early as 1965. Data were recorded for the periods 1965-1973 for the Nyanga, 1965-1988 for the Ivindo, and 1980-1986 for the Ntem. To our knowledge, all stations have been inactive since 1989, except the station at Lamberené, which continues to collect daily data. Created by TNC based on data from Le Ministère de l'Energie et des Ressources Hydrauliques.



Stations Pilotes

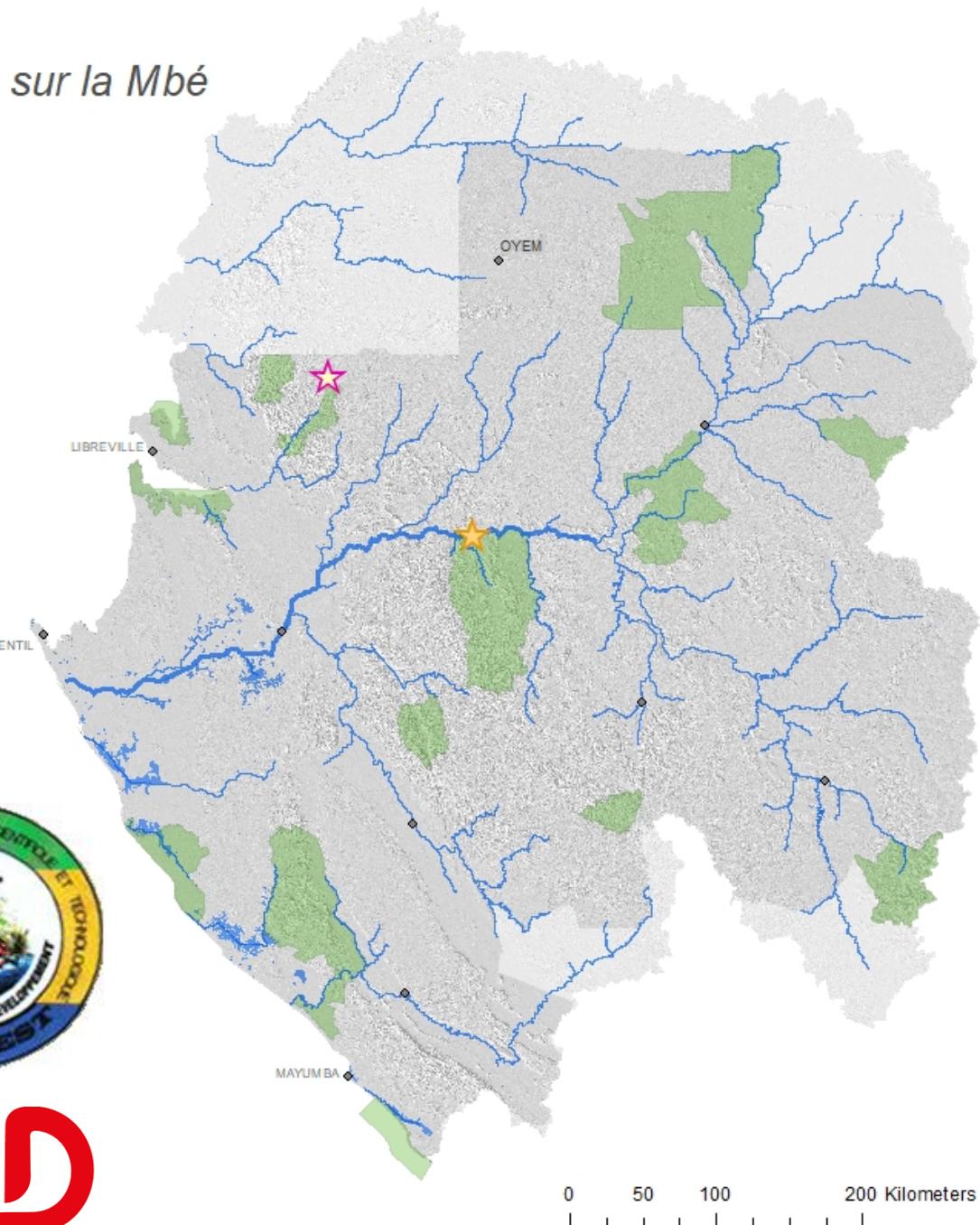
But

Servir de base pour le rétablissement d'un système de mesures hydrométriques.

Stations hydrométriques

Stations pilotes sur l'Ogooué et sur la Mbé

- ★ Stations hydrométéo
- ★ Station hydrométrique
- National Park



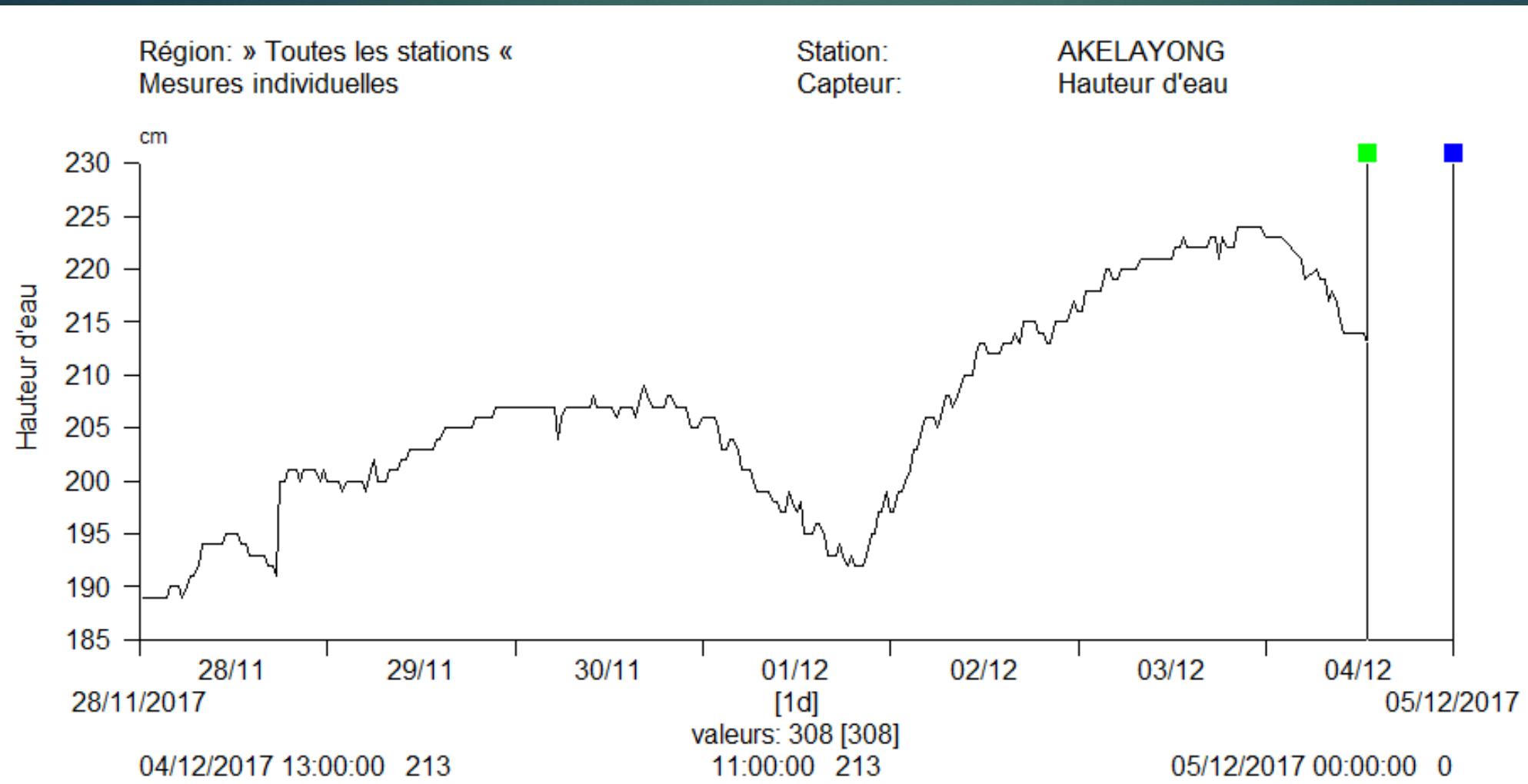
Les Stations pilotes

Mesure	Fréquence
Hauteur d'eau	60
Pluie	6
Turbidité	60
MeS	60
Tension de Batterie	720
Température de l'air	60
Humidité de l'air	60
Pression Atm	60
Vitesse du Vent	60
Direction du Vent	60
Radiation Solaire	60



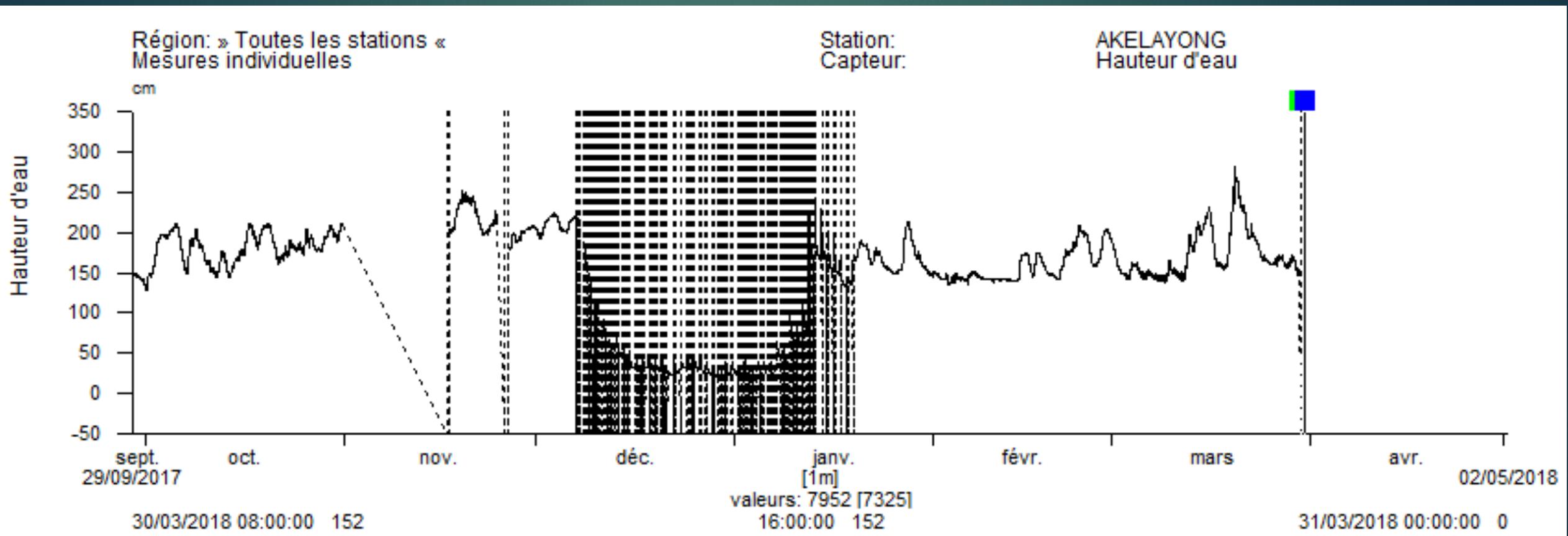
Les stations pilotes

Akelayong



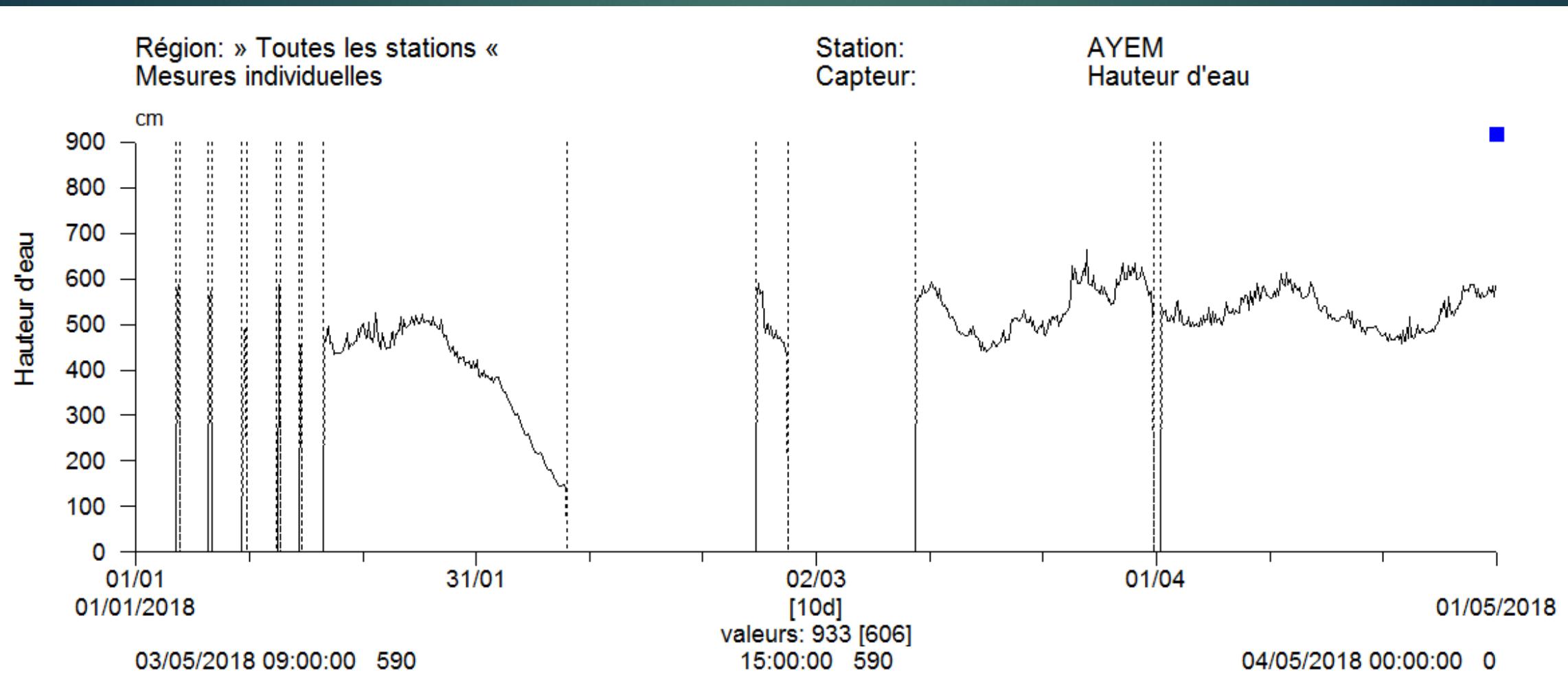
Les stations pilotes

Akelayong



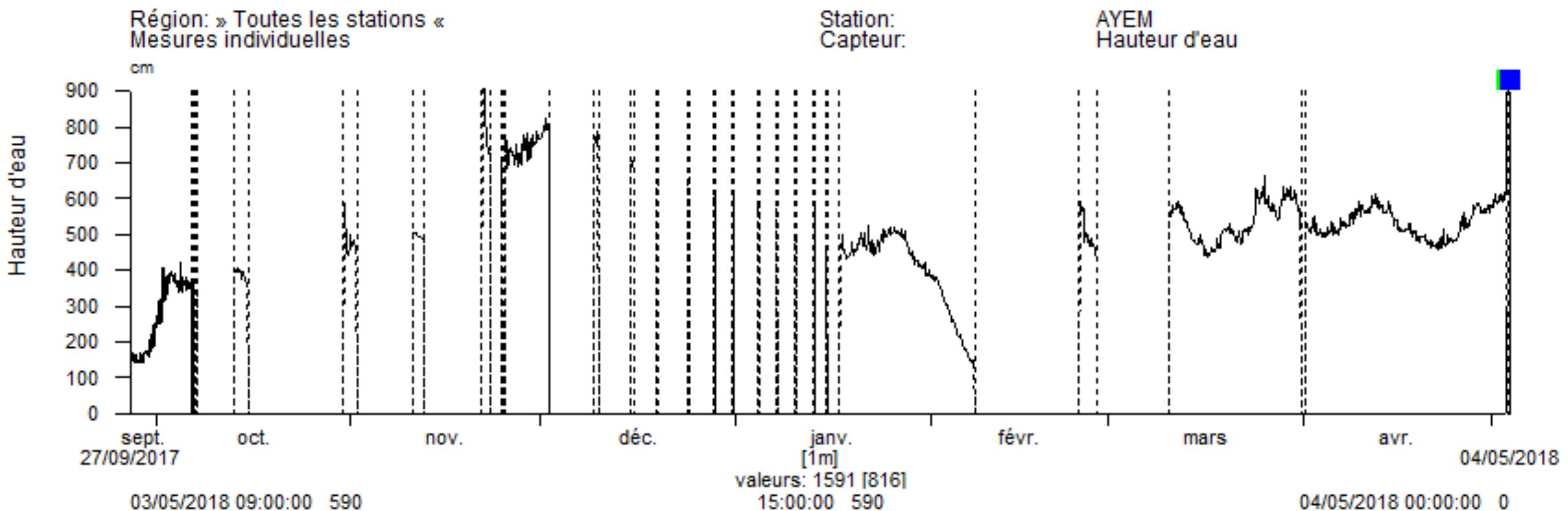
Les stations pilotes

Ayem



Les stations pilotes

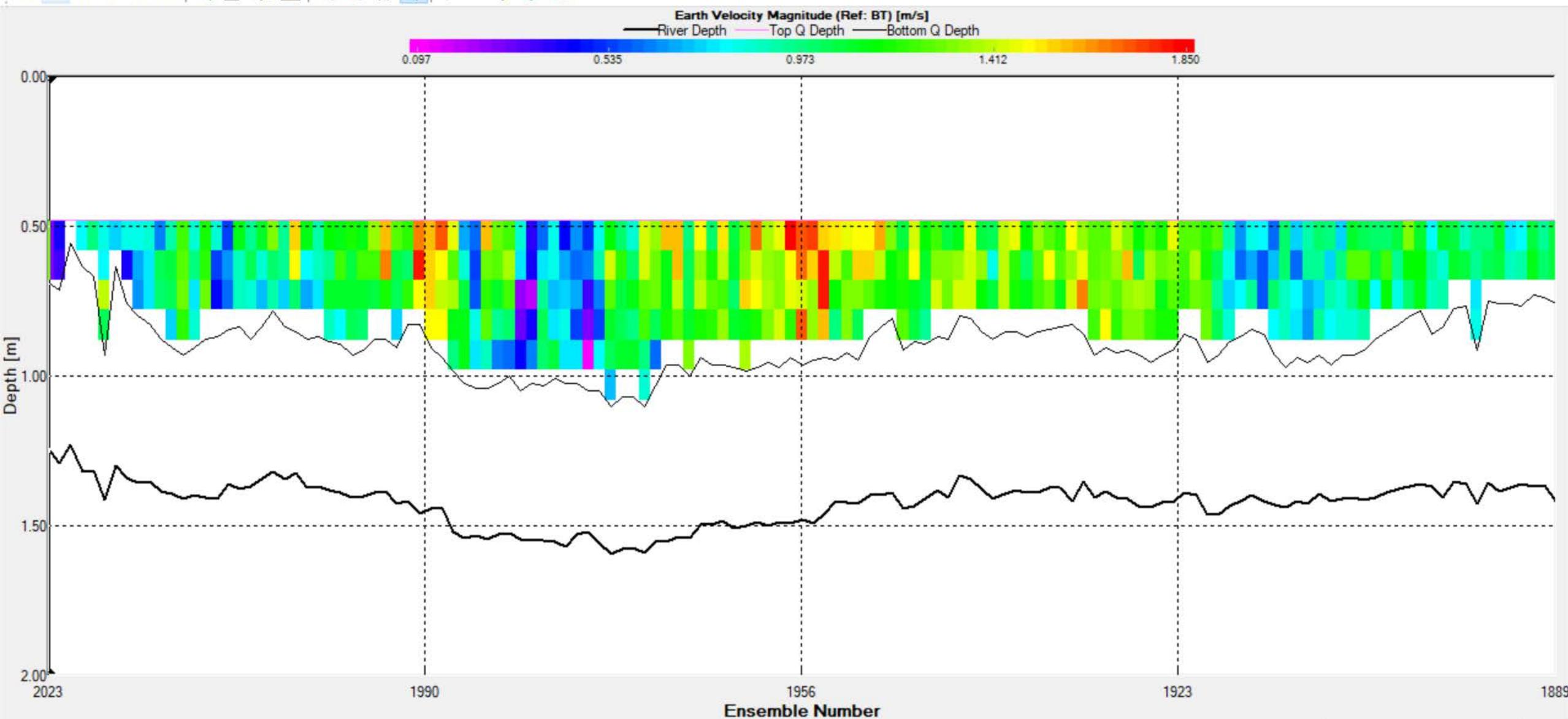
Ayem



Les stations



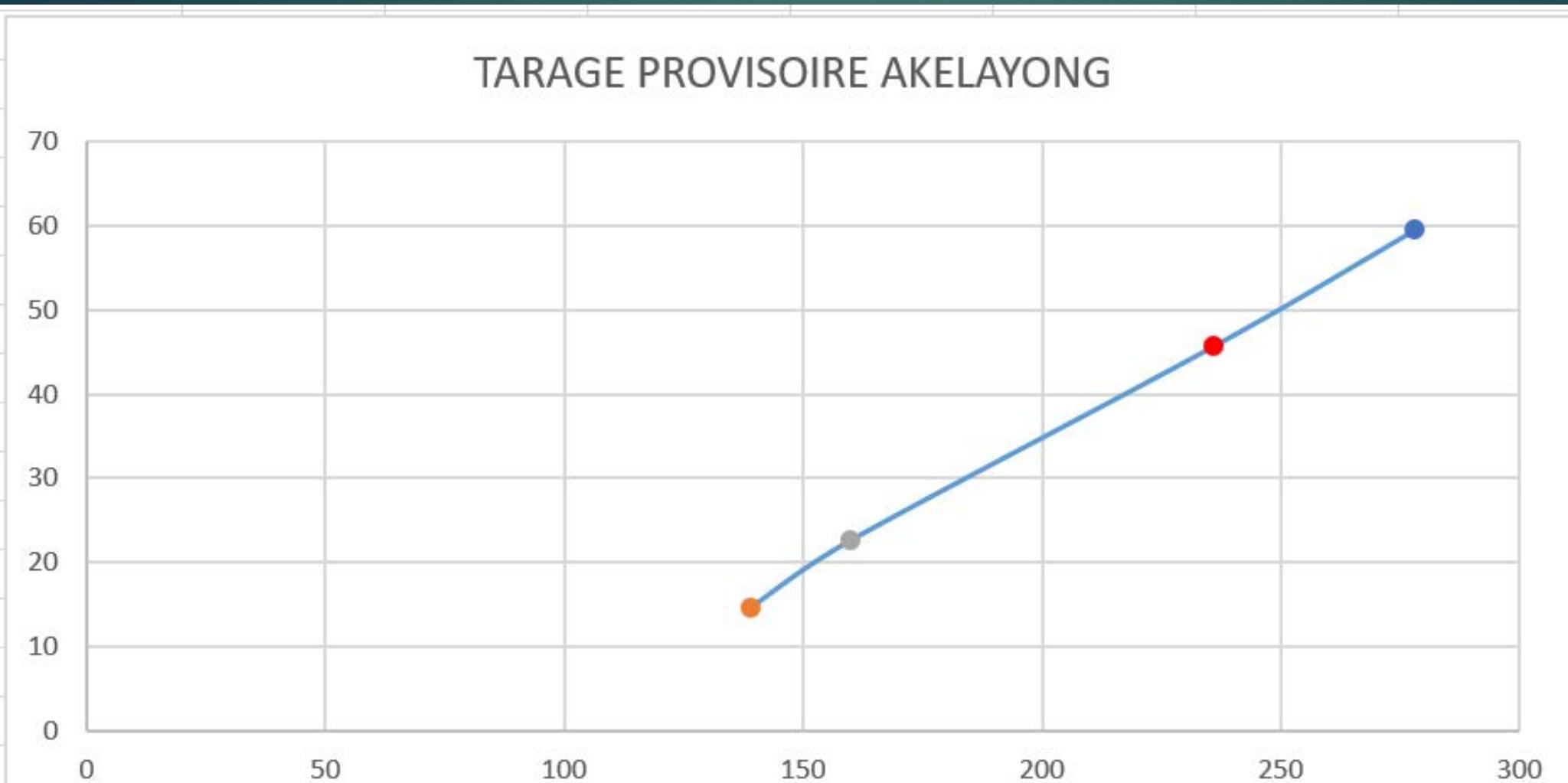
Les stations pilotes



Les stations pilotes

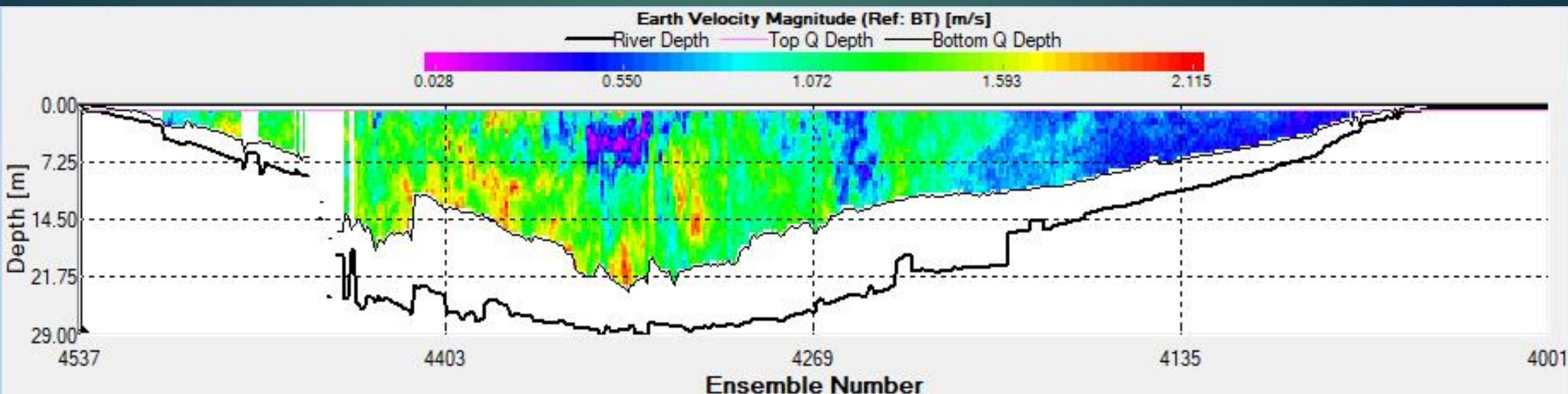
Akelayong

TARAGE PROVISOIRE AKELAYONG



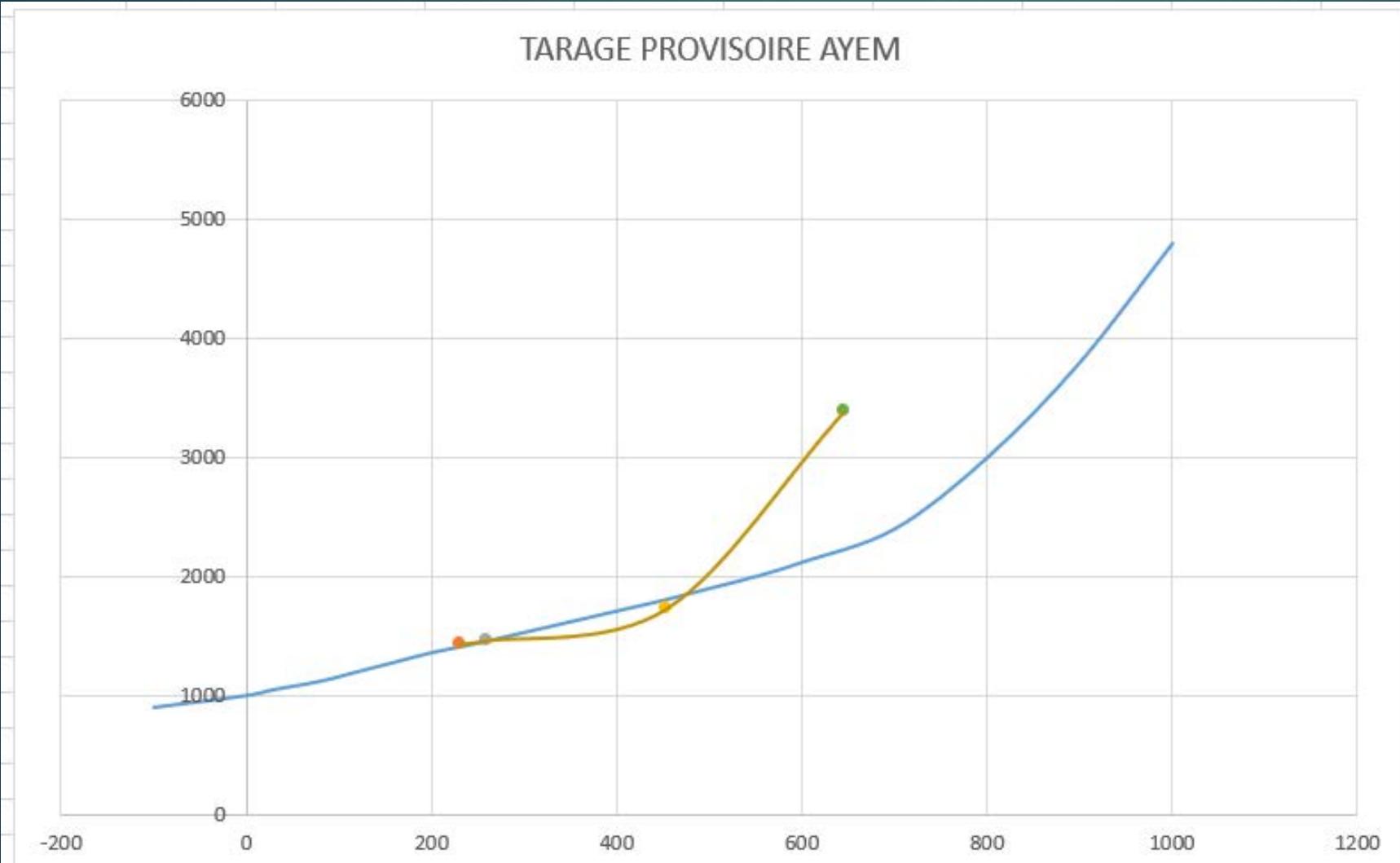
Les stations pilotes

Ayem



Les stations pilotes

Ayem





Thank you
Merci



QUESTIONS