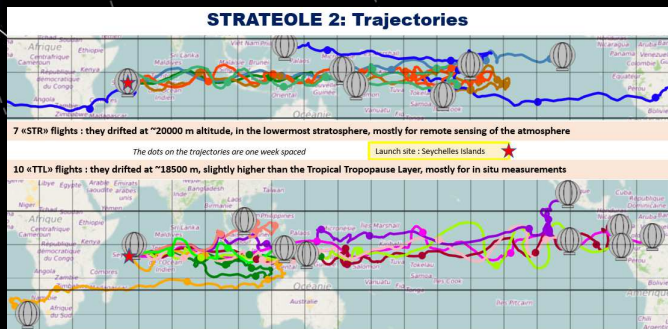




FRENCH BALLOON ACTIVITIES: NATIONAL REPORT 2022 – 2024

V. DUBOURG, L.TESSARIOL.



JUNE 03, 2024



THE CNES BALLOON PROGRAM

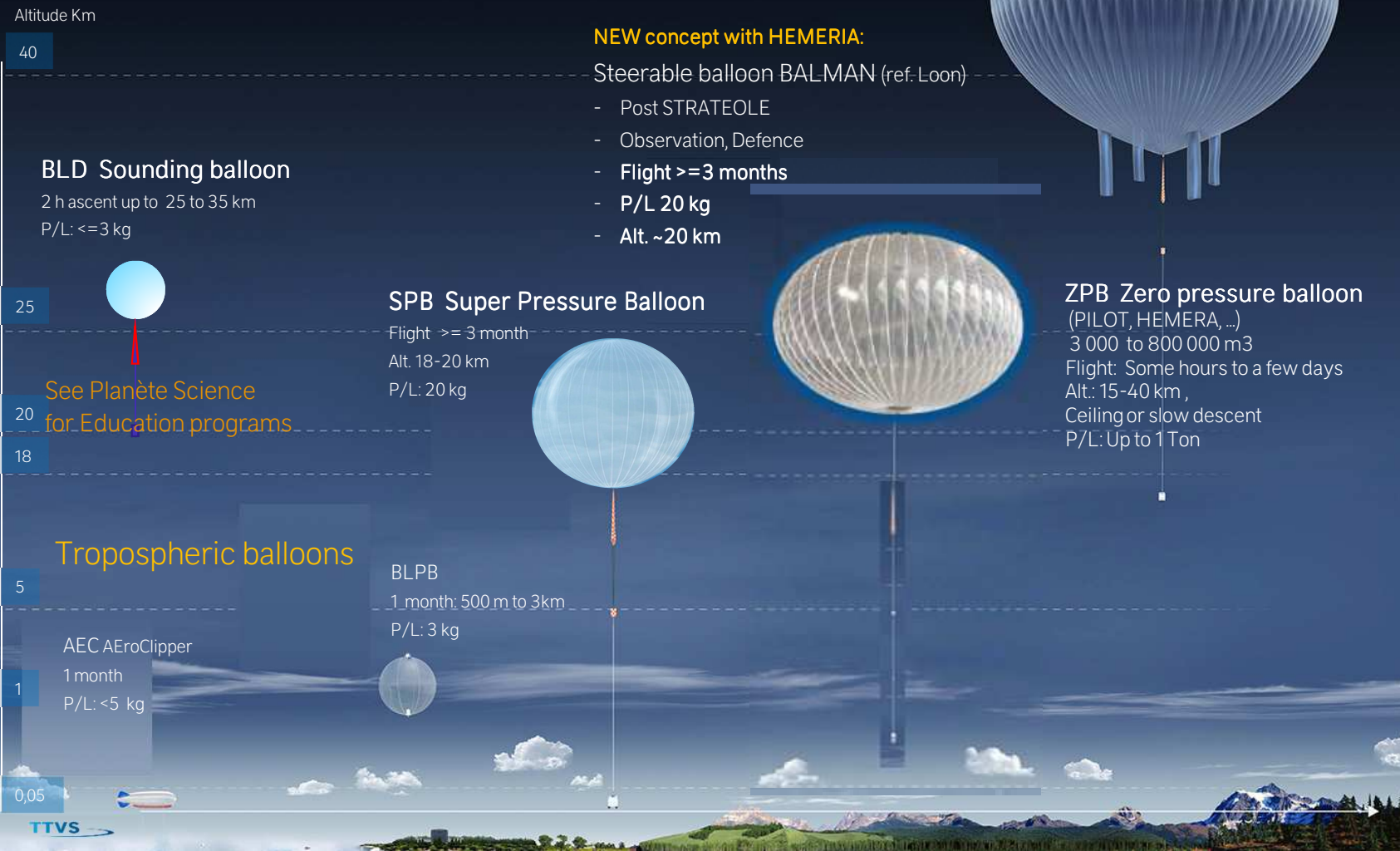
- Programmatic aspects (CNES Program Plan 2019-2024):
 - Yearly, Zero Pressure Balloon (ZPB) campaign, 3-5 flights
 - Monthly 2-3 Sounding balloons (SB) flights from Aire sur l'Adour (France)
 - On a 3-5 years basis: Super Pressure balloon (SPB) campaigns for specific projects
 - Selection of missions: CNES-CNRS steering committee, and missions in cooperation
- CNES prime for System design, qualification, safety certification, operations
- Industry for development, manufacturing (HEMERIA AS for balloons), more delegation under consideration
- Host countries for recoveries & local safety, but also as partners in science and operations

- Scientific labs:
 - Define the Mission
 - Develop the scientific instruments
 - Process the data and make the publications



CNES Balloon line of products

Stratospheric balloons



Payloads :
From 100 g to > 1 000 kg

Altitude:
From the ground up to 40 km

Duration:
From some hours up to 3 months

Steerable & Persistent ?

MORE DETAILS ON

[HTTPS://BALLONS.CNES.FR/EN/BALLOONS-0](https://ballons.cnes.fr/en/balloons-0)

[HTTPS://WWW.HEMERA-H2020.EU/FACILITIES-2/CNES-BALLOONS/](https://www.hemera-h2020.eu/facilities-2/cnes-balloons/)

THANK YOU