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A changing environment:

→ in data availability:

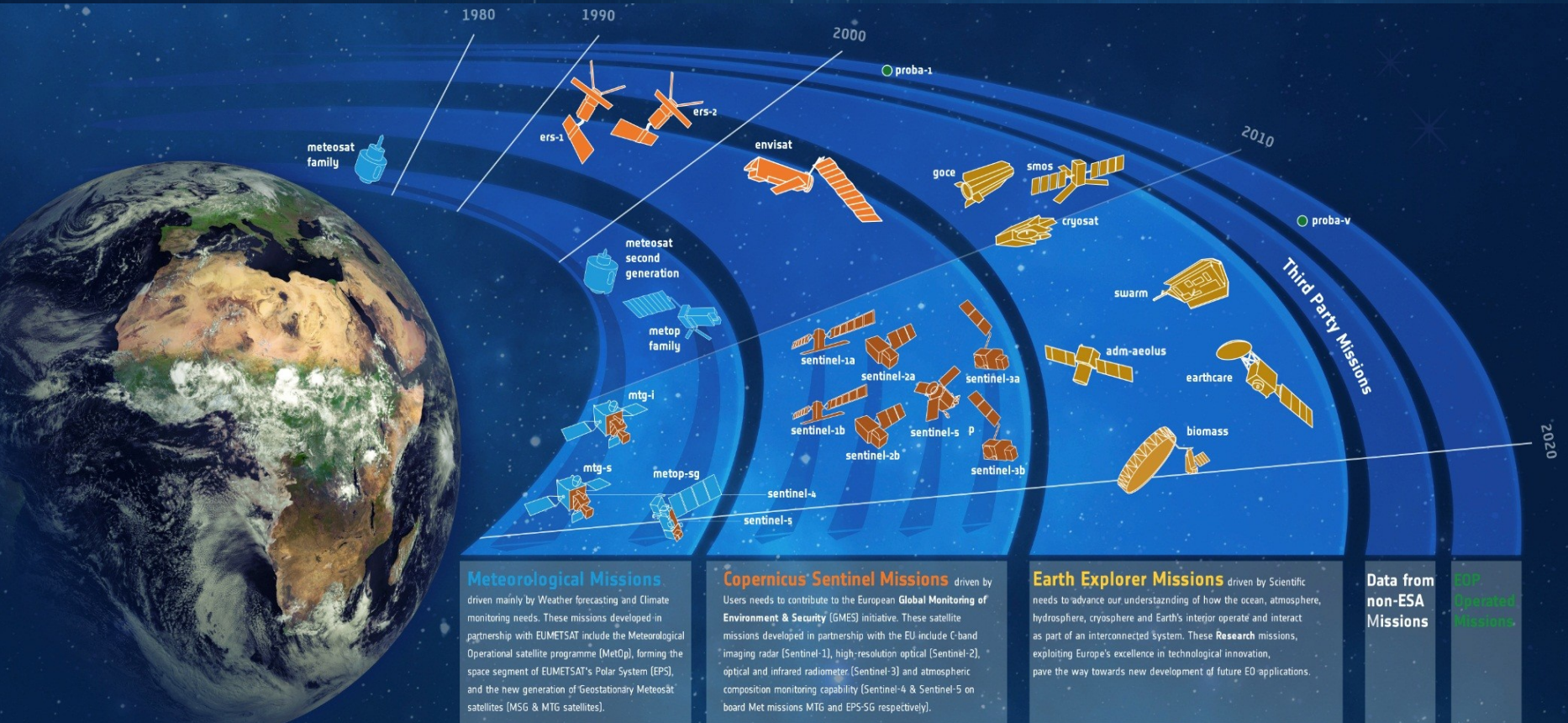
- from the **pioneering** missions (ERS, Envisat, SPOT) ... to the **Sentinel** missions

→ in programmatic and financial environment:

- **operations** budget from European Commission for the Sentinels
- **innovation** with ESA (e.g. ESA EO Envelope Programme) and ESA Member States

→ in Information and Communication Technology enabling:

- new data flow architecture
- new collaboration schemes



... but the necessity to maintain an high level of expertise for Cal/Val activities and for product algorithm evolution

- ✓ More than 20 years of experience with many type of EO sensors used for land:
 - Landsat/SPOT series,(A)ATSR/SLSTR, MERIS/OLCI, Vegetation, etc.
- ✓ Vibrant, mature and competitive European EO R&D communities
- ✓ Strong institutional support for product algorithm development
- ✓ Increased IT processing/storage capabilities (as compared to a decade ago)

Objectives for the workshop



- ✓ To gather concrete recommendations for future algorithm improvements, Cal/Val requirements/activities and new products;
- ✓ To encourage “out-of-the-box” thinking on all levels;
- ✓ To strengthen the communication between ESA and the algorithm and Cal/Val communities, and among the algorithm and Cal/Val communities;
- ✓ To foster coordination between scientists, national space agencies, national research programmes and ESA with respect to algorithm evolution and Cal/Val.



***ESA relies on your expertise and support,
as well as your national involvement***