



**MERCATOR
OCEAN**

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Mercator Ocean International

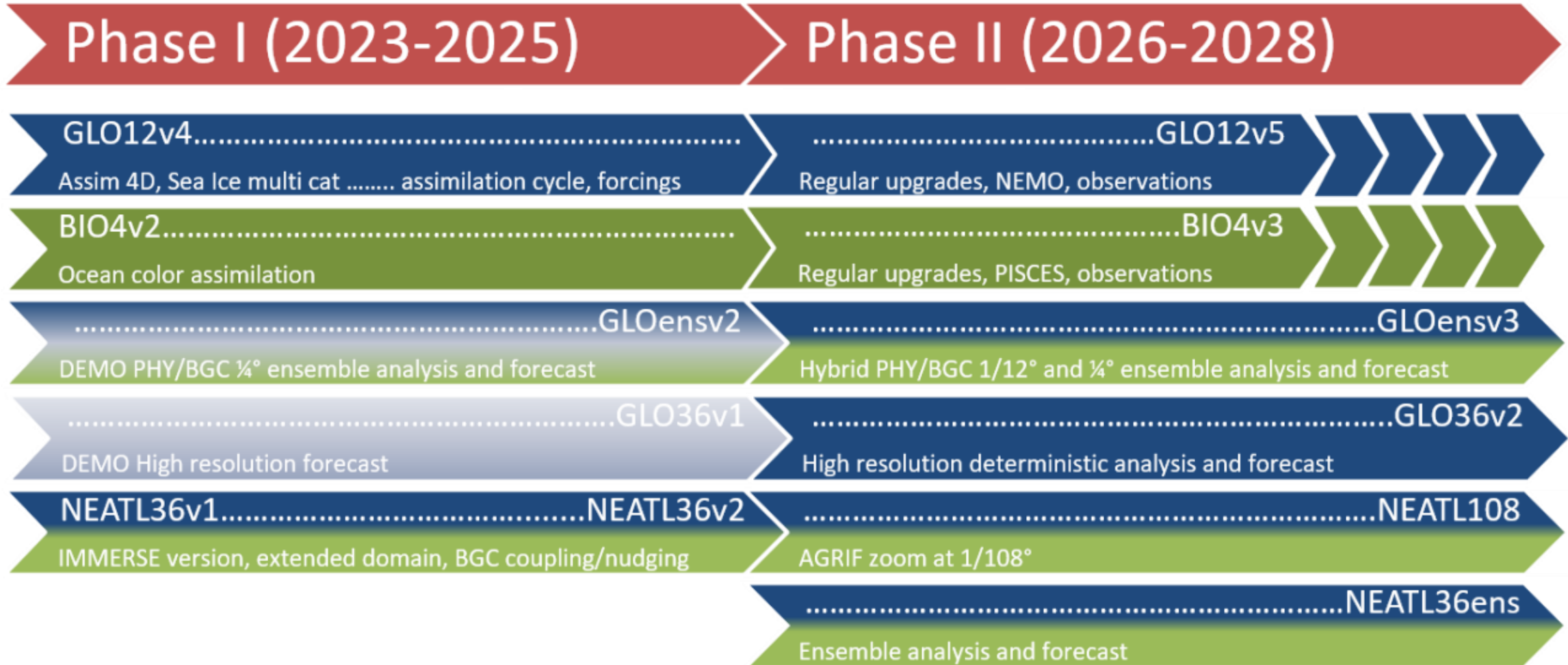
OPOS

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Status and on going development

System description



DONE in 2024

New products available :

- Extension of HF 3D forecast to 10-day
- Delivery of SST map errors

ON GOING

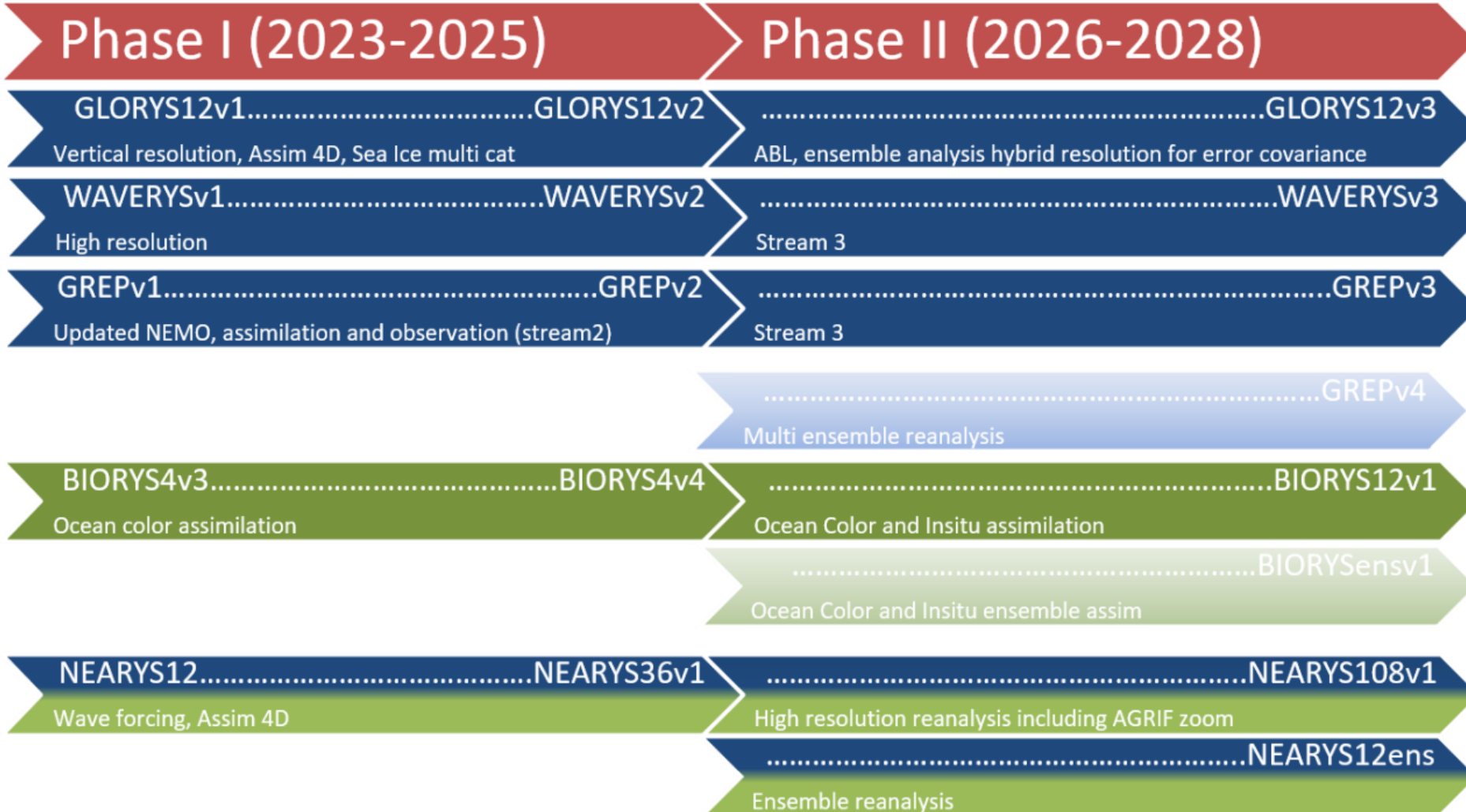
New products :

- Surface Current (already done) and Sea Surface Height high frequency products combining tides and inverse barometer
- SST anomaly
- Zooplankton concentration

Systems :

- Update to fix some issues in global $1/12^\circ$ forecast
- GLO12 : Assimilation of SWOT, update of assimilation scheme
- Global Ensemble analysis and forecast at $1/4^\circ$
- Deterministic Global Forecast at $1/36^\circ$

Ocean Reanalysis



DONE in 2024

- Interim production of global reanalysis including biogeochemistry

ON GOING

- Time extension in the past of global wave reanalysis (starting in 1980)
- 2nd version of global wave reanalysis : higher resolution (10km), model and data assimilation upgrade
- Global 1/12° physical reanalysis 2nd version : production not started
- Physical and biogeochemical data assimilation in BGC reanalysis
- North East Atlantic High resolution (1/36°) reanalysis physics and biogeochemistry : production not started