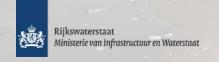
NLLAT2018 User products









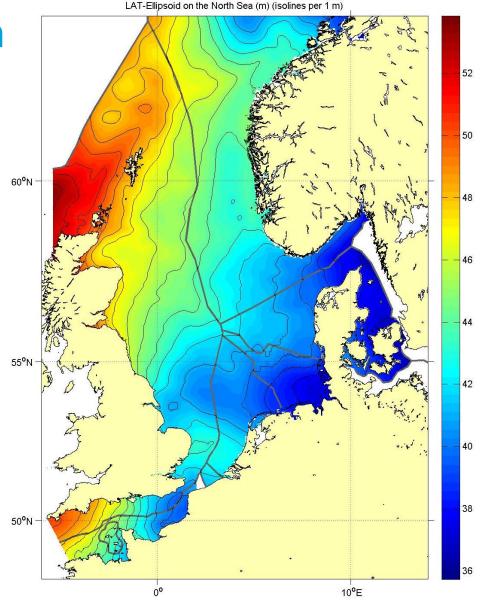






LAT on the North Sea

- Collection of separate
 LAT surfaces
- Each nation has their own realization of LAT surface
- There is no seamless border
- Each country publishes their own LAT surface







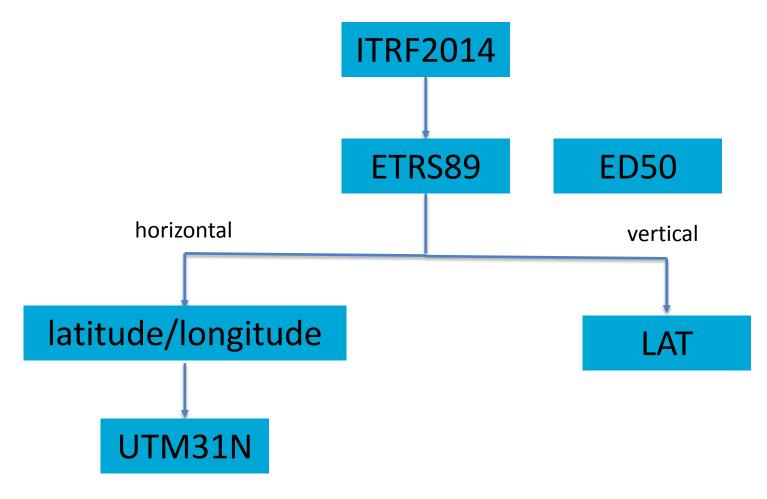








Geodetic Coordinate Systems at Sea







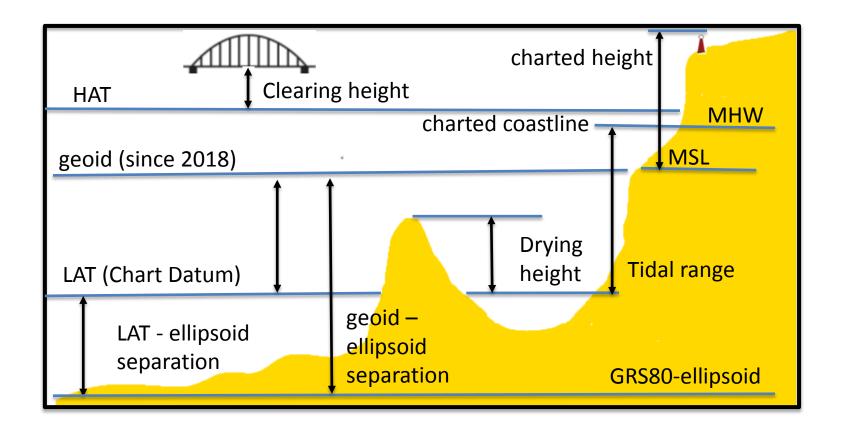








Vertical references in use at sea/coastal zone















Different LAT surfaces in the North Sea

	Spatial resolution (deg)	Spatial resolution (m) North-South	Spatial resolution (m) West-East
UK	0.008	900	400-600
Norway (added Oct 2017)	0.0333	3700	1600-2050
Denmark	0.0167	1850	975-1050
Germany, <~6 M from coast	~0.005	600	350
Germany, >~6 M from coast, east of 6°E	~0.02-0.06	2000-7000	1250-4000
Germany at sea, west of 6°E	0.15	16700	9000
Netherlands	0.00576	640	360-400
Belgium	0.00167-0.003	200	200
France	0.005-0.03	500-3000	350-2000
Analysis by NLHO (Oct 2017)	0.00576	640	360-400



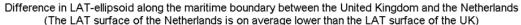


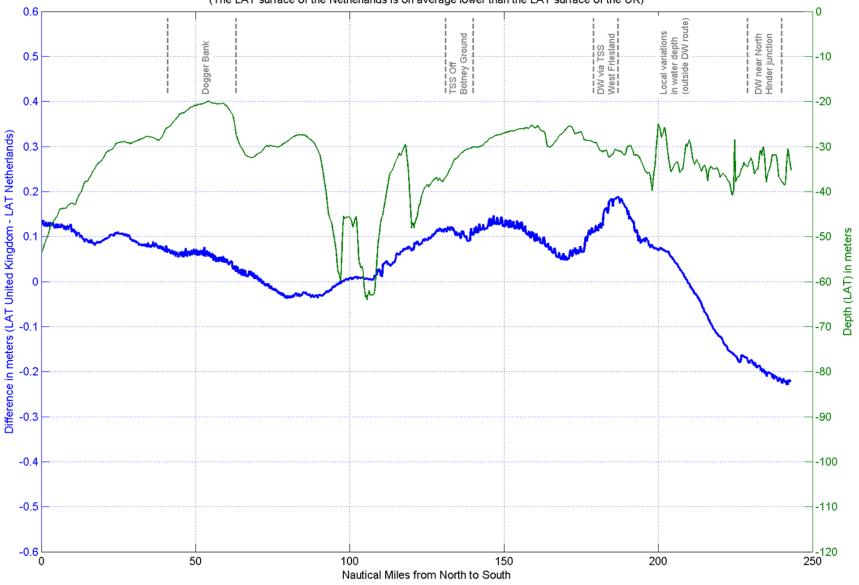














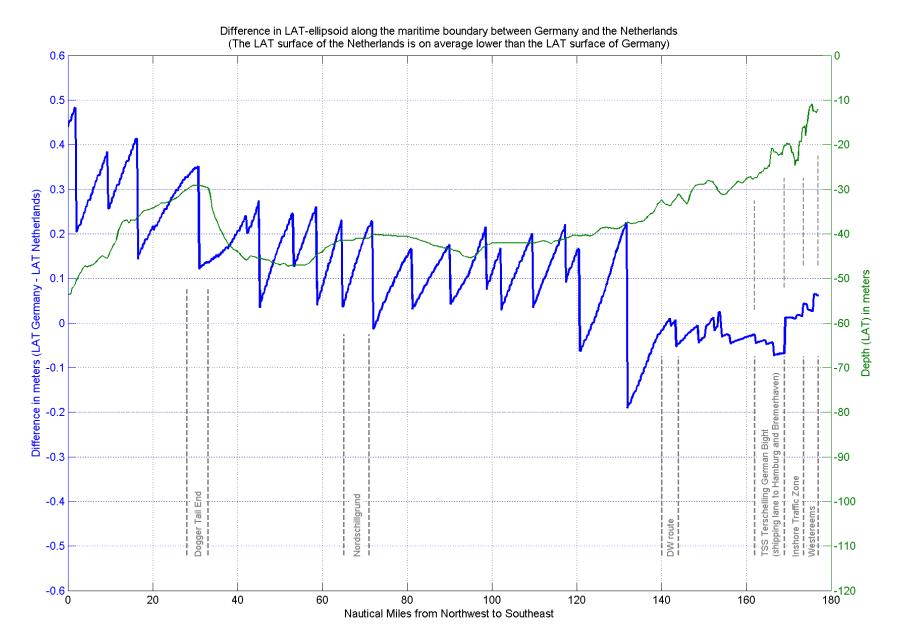














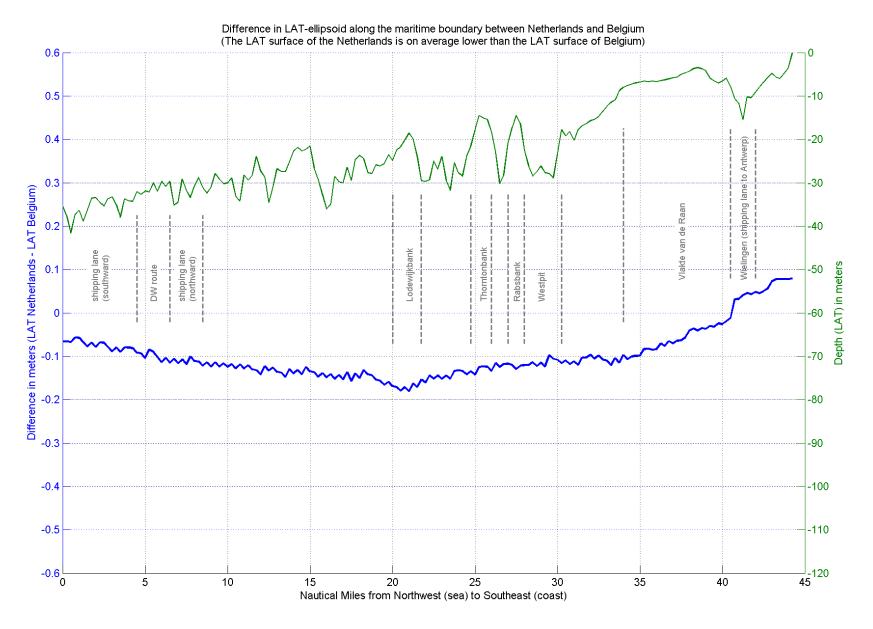
















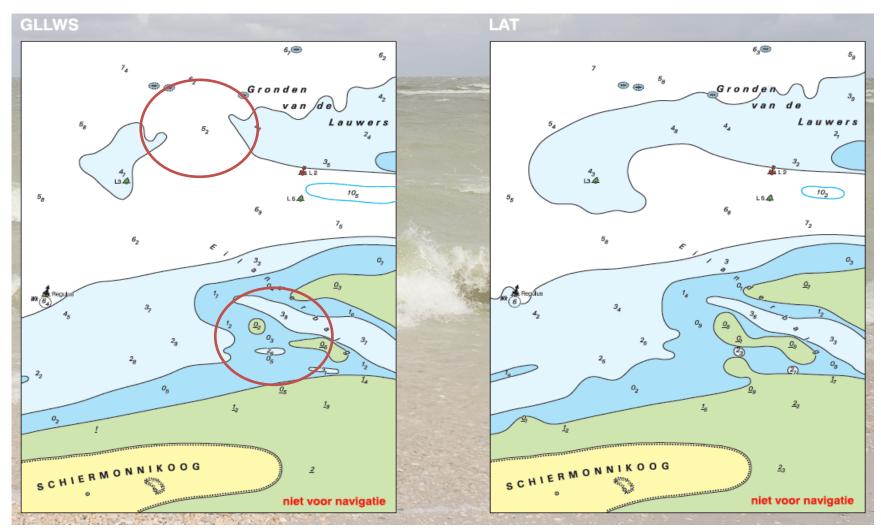








NAP or LAT at Sea. So what?







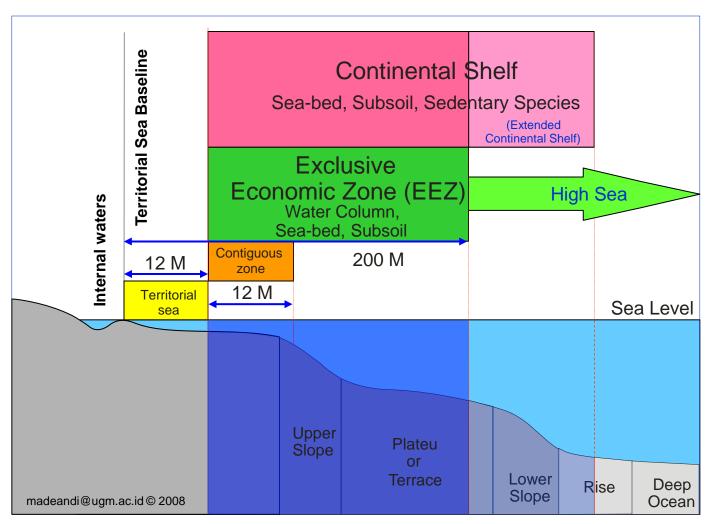








NAP or LAT: legal consequences















User products

- 1) LAT ellipsoid separation grid
- Covers NL part of the North Sea (with a few km outside the maritime boundary and up to NL rivers/estuary where available)
- General accuracy for the whole surface = 15 cm (2σ)
- Grid resolution is 0.00576° (640x400m)
- 2) geoid LAT separation grid
- Covers NL part of the North Sea (with a few km outside the maritime boundary and up to NL rivers/estuary where available)
- General accuracy for the whole surface = 15 cm (2σ)
- Grid resolution is 0.00576° (640x400m)
- Release date: to be decided
- Release format: INSPIRE conform (harmonized)
- URL https://inspire.caris.nl/





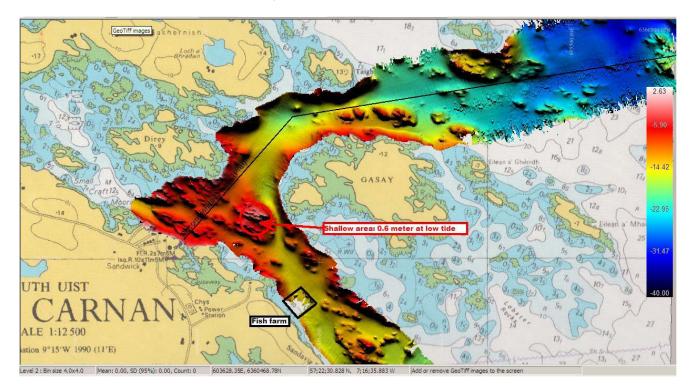








Questions



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