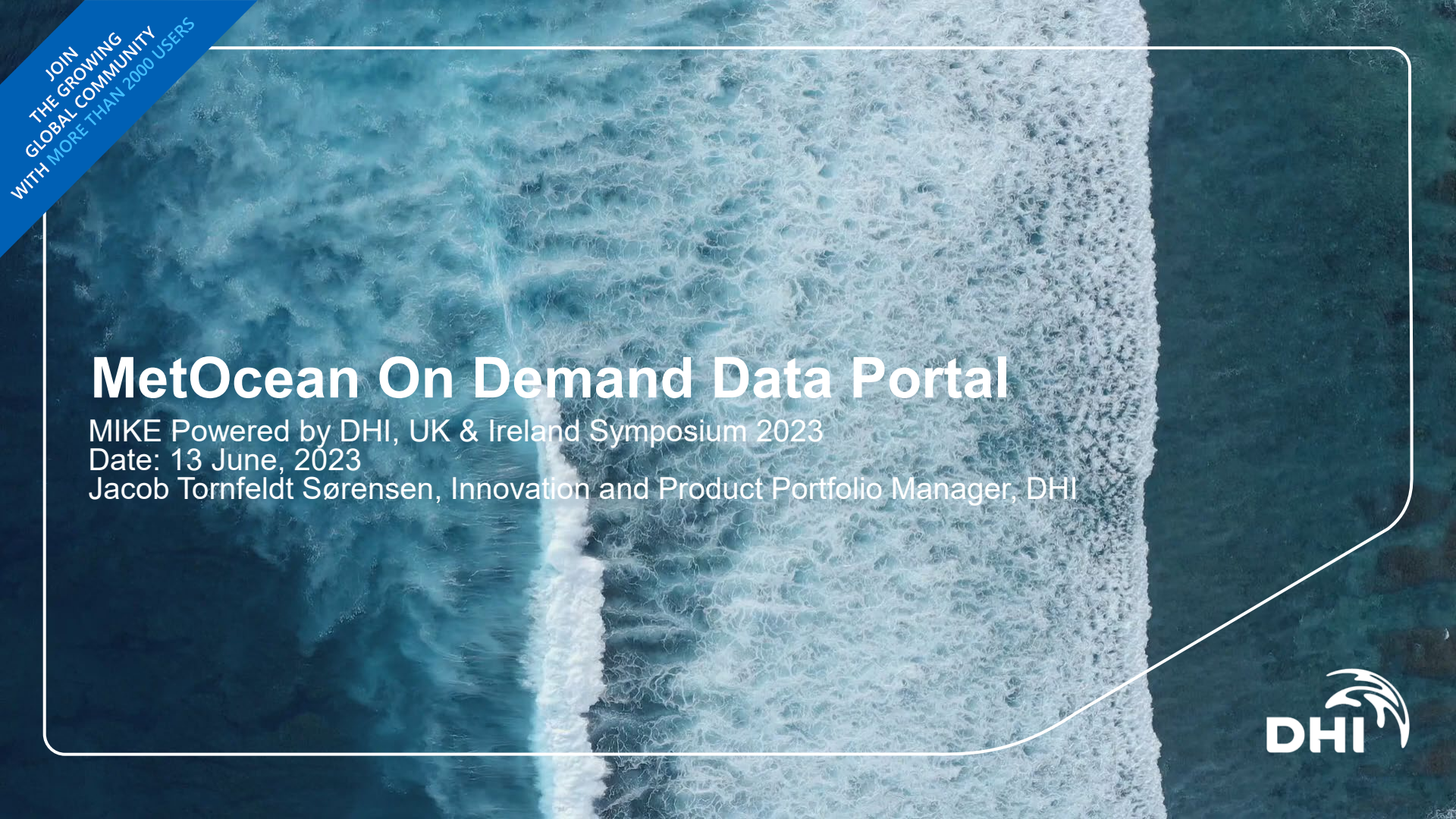
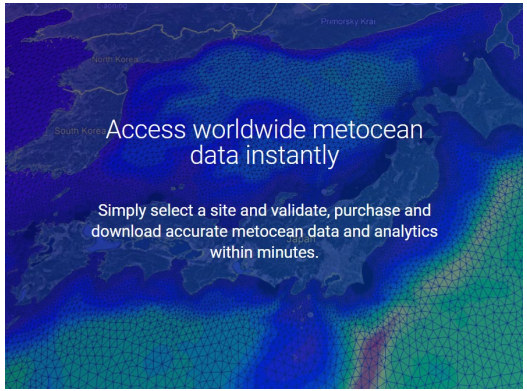


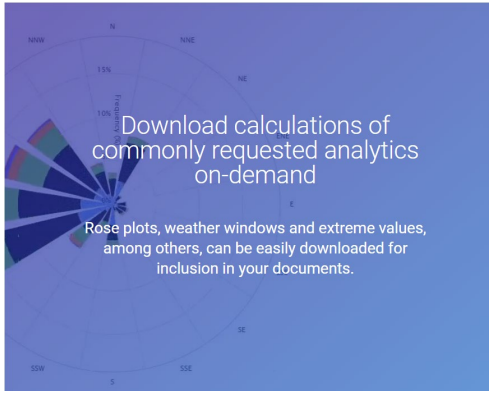
MetOcean On Demand Data Portal

MIKE Powered by DHI, UK & Ireland Symposium 2023
Date: 13 June, 2023

Jacob Tornfeldt Sørensen, Innovation and Product Portfolio Manager, DHI

Features https://www.metocean-on-demand.com/features





- New technology and subscriptions
  - Data and service hosted in Azure for performance, security and scaling
  - New subscriptions: Get Unlimited* access! (See Pricing)

Try it all for FREE on fx the 'TNW' (Dutch North Sea) datasets!

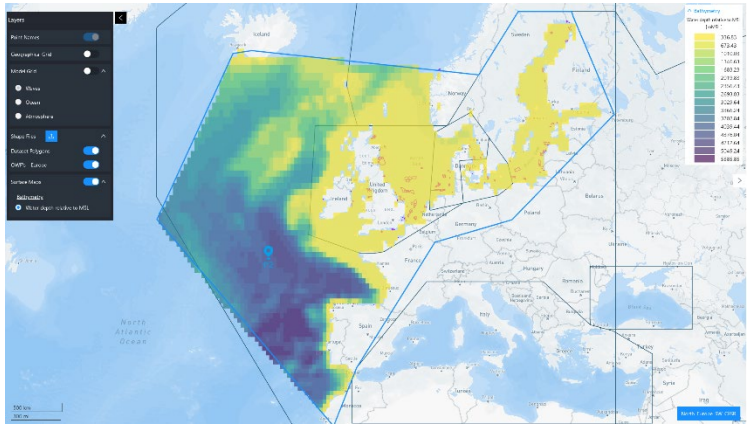
Demo! https://www.metocean-on-demand.com

New and coming features and datasets

Features

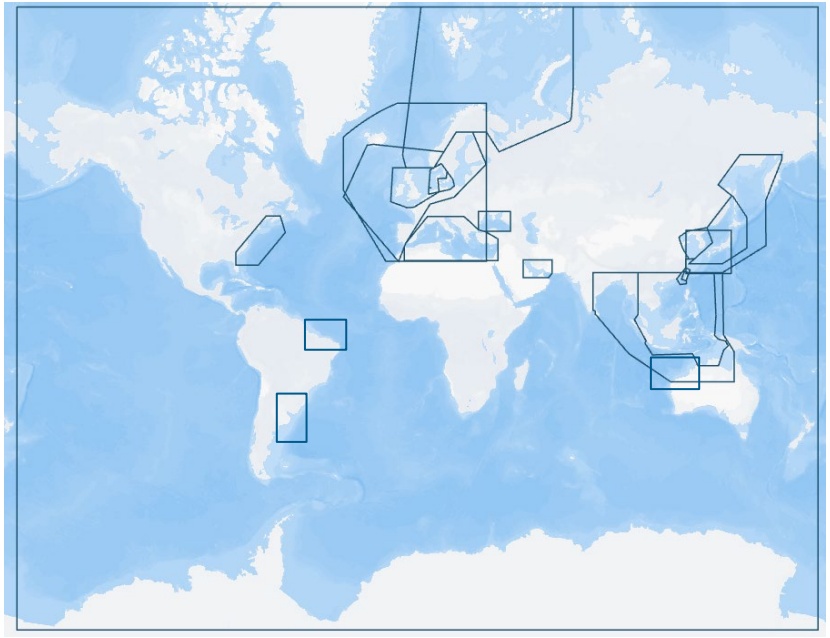
https://www.metocean-on-demand.com/features

- Improved workflows & performance
  - Automatic selection of best metocean data (anywhere)
  - Move your point on the map by drag-and-drop
  - Water depth and grid cell size given at each point
  - Support for multi-point and multi-dataset requests
  - Fast preview Analytics (time series and rose plot)!
  - Upgraded data files (.csv, .mat, .nc, .dfs) w. metadata
  - Notification center – Get latest news and releases
  - New Analytics: Exceedance, Statistics and Tidal levels
  - Auto-report for Metocean Assessment initiated (50%)
  - Refactoring to .net 7
  - IAM integration with MIKE Cloud



New Datasets (40+ years, 200+ TB)

https://www.metocean-on-demand.com/metadata



…

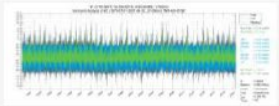
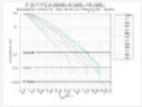
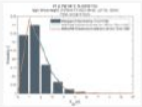
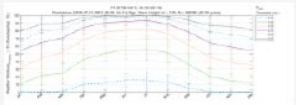
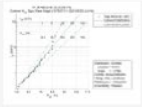
88. Black Sea - First regional Wave model
89. Middle East - New Wave and Ocean models (PERGOS)
90. Taiwan (v2) - Typhoons Wind, Wave and Ocean models!
91. South Korea - Typhoons Wind, Wave and Ocean models!
92. Japan (v2) - Improved resolution at OWF areas
93. Global (ERA5) New Wave model forced by modified ERA5
94. *Brazil - Regional Wave and Ocean models - Coming soon!*
95. *Australia NW - Wave and Ocean models*

…Quarterly updates of main (hindcast) models

…Wave spectra (90% complete)

Analytics+ (interactive)

https://www.metocean-on-demand.com/features#analytics

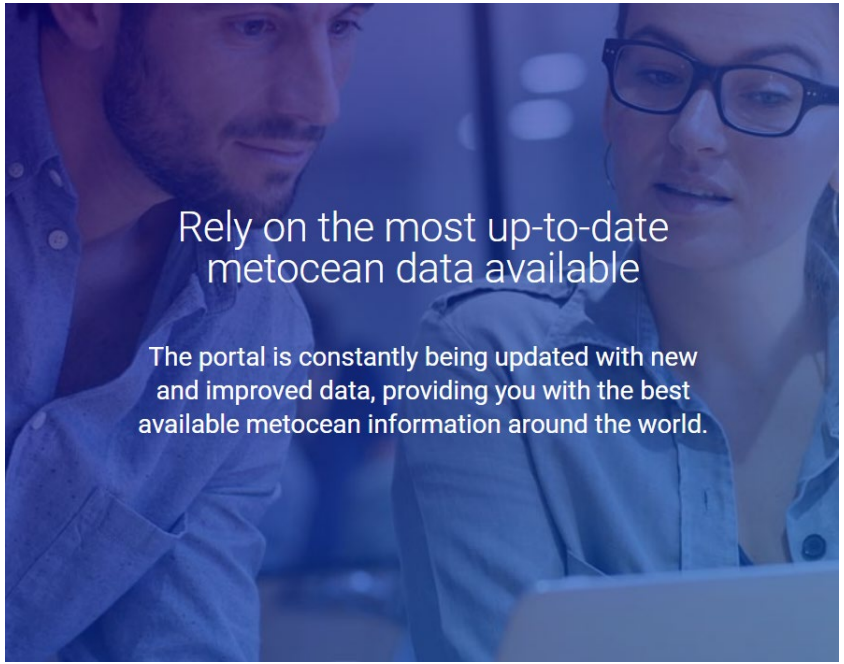
Interactive analytic	Example
1. Time series	
2. Statistics	
3. Tidal levels	
4. Scatter plot	
5. Scatter table	
6. Rose plot	
7. Exceedance	
8. Histogram (Weibull fit)	
9. Persistence (Weather windows)	
10. Extreme values (EVA)	

∑ = *Metocean Site Conditions / Screening purposes*

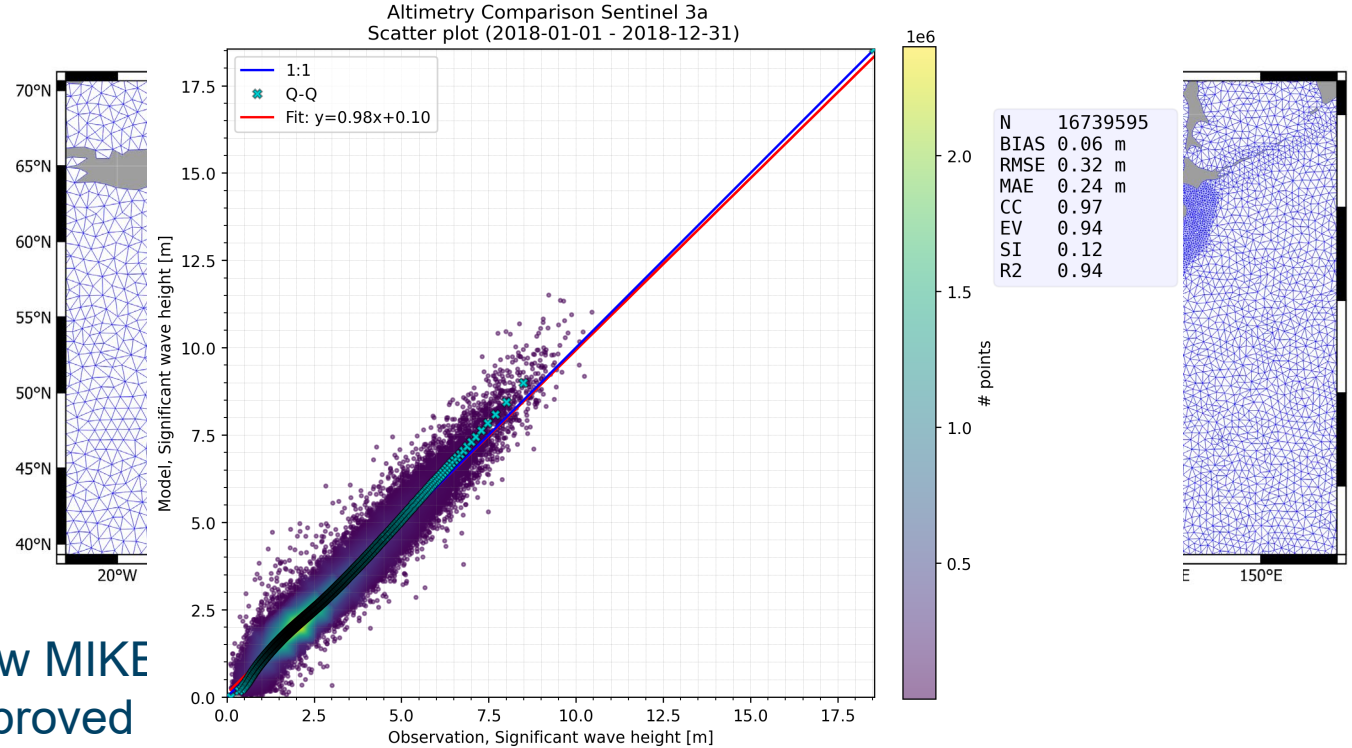
The analytics can be configured interactively by the user

Our plans for H2 2023…

- Validation service (in-situ)
- Fast Wave Emulator integration
- Auto-reporting (early phase)
  (‘*Metocean Site Conditions.pdf’)*

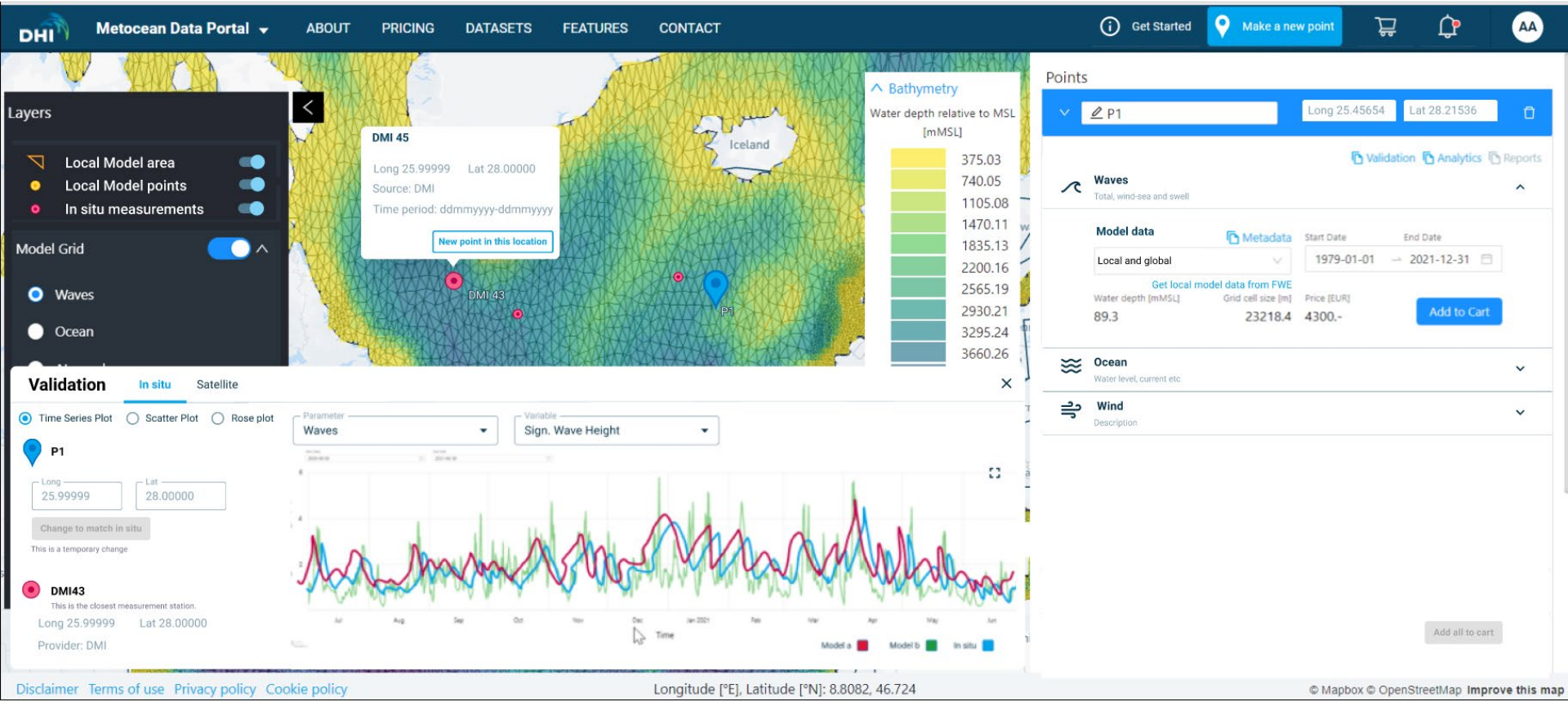


Newly developed Global Wave Model (2022)



- New MIKE
- Improved
- Relatively high spatial resolution (down to 15km)
- High 2D wave spectra resolution (36*36)

Verification against insitu measurements



Thank you for joining