14-16 November 2023 | Gothenburg, SE

# HiSeas platform a tool for data monitoring in the UNITED project

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THEME: UNITED FINAL EVENT

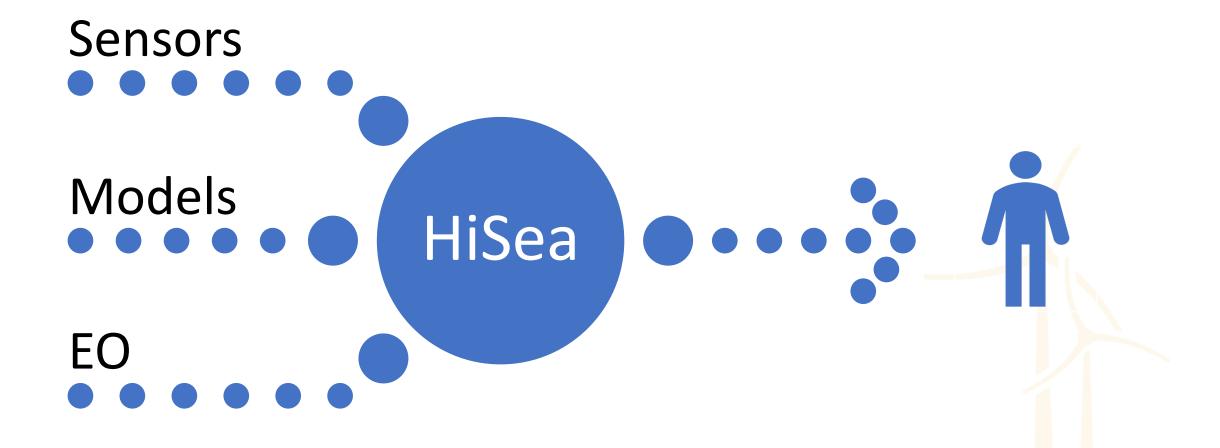








# **Hisea platform**









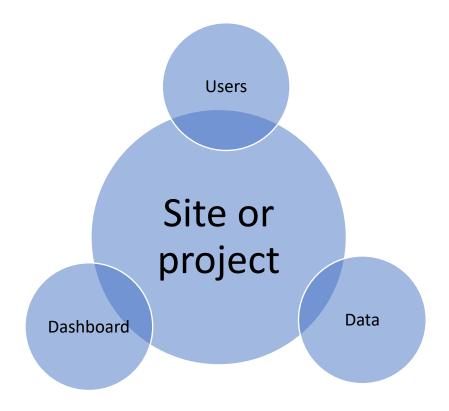
### **Public Datasets for UNITED**

- Over 100 different datasets across the four pilot areas
- Time resolution from seconds to months
- Hydrodynamic, waves, biogeochemistry, water quality (SST, Chlorophyll, etc.)
- CMEMS, EMODNET, DWD, etc

Ge many																			
	Hydrodynamic		FORECAST_PHY_004_013	https://re_numerical-model	hourly, daily-mean; 15-min (33 levels)	daily(12h)	0.014" x 0.03"	x x 5	×	x									
Germany	Hydrodynamic	CMEMS	FORECAST_PHY_LR_004_001	https://re.numerical-model	dailymean (241 evels)	daily(12h)	0.111" x 0.067"	x x x	×	×									
Germany		CMEMS	OBSERVATIONS_013_036	https://re Observations	instantaneous	daily													
	How			https://er River fl ow	instantaneous	daily	Poin t												
	Hydrodynamic			https://nr Tide gauge station	instantaneous	daily	Poin t	×											
	Waves			https://nr fixed buoys,MO, fixed observations	instantaneous	daily	Poin t		×		×	x x		×					
Ge many	Waves	CMEMS	FORECAST WAY 004 014	https://re.numerical-model	hourly	daily(12h)	0.014" x 0.03"				×	x x		×					
Ge many	Biogeochemis		FOREGAST BGC 004 002	https://e-numerical-model	dailymean	daily(12h)	0.111° × 0.067°		_			-							
Germany	Chlo roehvil	OMEMS	13 NRT OBSERVATIONS MIG IRE	https://m Satellite.phse.pations	dailymean		0.3km x 0.3km	-	_			_	_						
Germany	Chlo rophyll	OMEMS	L4 NRT OBSERVATIONS 009 087	https://re-Satellite observations	dailymean	daily(20:00)	then y then	-	_	×	_	_	_	_	_		-	_	
Germany	SST	OMEMS		https://eg Satelli te observations	dailymean	daily(2200)	0.02° × 0.02°	-	-	×	_	_	_	_	_	_	-	_	_
								$\rightarrow$	×		_	_	_	_	_	_		_	_
Ge many	SST	CMEMS		https://re Satellite observations	dailymean	daily(08:00; 12:00 UTC)		$\overline{}$	×		_	_	_	_	_	_	_	_	_
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Ge many	Meteorology		ICON 3 km	numerical-model	hourly		3 km x 3 km	$\longrightarrow$	_		_	_	_		_	X	x x	×	X
Ge many	Meteorology		GFS 25 km	numerical-model	hourly	daily(00h,06h, 12h,18h										×	x x	×	x
Ge many	Meteorology	METAR	Airport.	Observations	instantaneous	instanta negus	Poin t								×	×	x x	×	x
			Westerland, Germany	https://er Observations	instantaneous	instanta negus	Poin t								×	x	x x	×	
			Es biens Aimort (Denmark)	https://er Observations	instantaneous	instanta negus	Poin t								×	×	x x	×	
Ge many	Hydrodynamic	GIOSS	Guxhaven	https://w.Tide.gauge.station	instantaneous	instantaneous	Poin t	x											
Germany	Hadrodynamic	GIOSS	Helenland Binnenhafen	https://w Tide gauge station	ins tant anenus	instantaneous	Point												
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Germany	Hydrodynamic	EMODNET	Hoemum.	https://m Tidegaugestation (Sea Level, Water Temperature)	instantaneous instantaneous	instanta negus	Point	X	_		_	_	-	_	_	_	_	_	_
								x	X		_	_	-	_	_	_	_	_	_
Ge many		EMODNET	Radar Station Sylt	https://w Radar Station (Currents)	instantaneous	instanta negus	Poin L	X 3			_		_		_	_	-	_	_
Ge many		EMODNET	NOO	https://w MO (Water Temperature, Waves)	instantaneous	ins tanta negus	Poin t	$\vdash$	×	$\perp$	×	x x	×	×	_	$\perp$	_	_	-
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Ge many		EMODNET	NsbIII	https://m.MO (Atmospheric, Water conductivity/ BioGeoChemical	instantaneous	instanta negus	Poin t		×	x x							X		
Ge many		EMODNET	Nabil	https://m.MO (Atmospheric.Waterconductivity/ BioGeoGremical		instantaneous	Poin t		×	X x							×		
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	Hydrodynamic Hydrodynamic		FORECAST PHY UR DOS DOS	https://re numerical-model	dailymean (24 levels)		0.111" x 0.067"			× .	_	_	_	_	_			_	
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		CMEMS	ORSERVATIONS_DES_US6					$\rightarrow$	_		_	-	_	_	_	_	_	_	_
Ne therlands				https://nr River flow	instantaneous	daily	Poin L	$\square$	_						_				
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No therl ands				https://nr fixed buoys,MO, fixed observations	instantaneous	daily	Poin t		×		×	x x	×	×					
No therlands	Waves	CMEMS	FORECAST_WAV_004_014	https://m.numerical-model	hourly	daily(12h)	0.014" x 0.03"				×	x x	×	×					
	Biogeochemis	CMEMS	FOREGAST BGC 004 002	https://re.numerical-model	dailymean	daily(12h)	0.111° × 0.067°			×									
	Chlorophyll	CMEMS	L3 NRT OBSERVATIONS 009 086	https://ee Satellite observations	dailymean	dail (18:00)	0.3km × 0.3km		_				-					-	
	Chlorophyll	OMEMS	L4 NRT OBSERVATIONS 009 087	https://ee Satellite observations	dailymean	daily(2000)	1km × 1km	$\overline{}$	_		_	_	_		_			_	
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			ICON 7 km	numerical-model	hourly		7 km x 7 km									×	x x	×	×
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No therl ands	Meteorology	NOAA	GFS 25 km	numerical-model	hourly	daily(00h,06h, 12h, 18h	25 km x 25 km									×	x x	×	×
No therl ands	Meteorology	METAR	Airport.	Observations	instantaneous	ins tanta negus	Poin t								×	×	x x	×	x
			Goeree Le. Netherlands	https://en.all.mets.at.com/metar-taf/netherlan.ds-b.elgi.um-luxen	instantaneous	ins tanta negus	Poin t												
			Euro, Netherlands	https://en.all.mets.at.com/metar-taf/netherlands-belgium-luxen		ins tanta negus	Poin t											*	
			P11-b. Netherlands	https://en.all.mets.at.com/metar-tal/netherlands-belgium-luxen		ins tanta negus	Poin t		-				-				-		
			Hoom-a. Netherlands	https://en.all.mets.at.com/metar-taf/netherlands-belgium-luxen				-	_		_	_	_		_			_	
			K14-fa-1c Notherlands			instanta negus	Point Point	$\rightarrow$	_		_	_	_	_	_	_		_	_
				https://en.all.mets.at.com/metar-tal/netherlan.ds-belsi.um-luxen				$\overline{}$	_		_	_	_	_	_	_	_	_	_
			K13-a, Netherlands	https://en.allmetsat.com/metar-taf/netherlands-belgium-luxen		instanta negus	Poin t		_				_					_	
Ne therlands		GIOSS	Hoek van Holland	https://w Tidegaugestation	instantaneous	instanta negus	Poin t	x											
No therlands		GIOSS	Scheveni ngen	https://w Tide gauge station	instantaneous	instanta negus	Poin t	×											
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No their ands		EMODNET	Hmondstroomnaal	https://m.MO (Cump.nts)	instantaneous	ins tanta nenus	Print												
Ne therlands		EMODNET	limuiden	https://m.Mb.pring.time.serie (Sea Level, Water Temperature)	instantaneous	instanta negus	Print											_	
Ne therlands		EMODNET	MATROOS - Monster	https://w Radar (Currents)	instantaneous	instanta negus	Poin t	<u> </u>				_							
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		EMODNET	HoekVanHoll andNAP Euroseul E13	https://m.MO (Water salinity, Water Temperature) https://m.MO (Wayes)				$\vdash$	_	+	_	-	_	_	_	_	-	_	
Ne therlands					instantaneous	instanta negus	Point .	$\vdash$	_	+	_	-	-	_	_	_	-	_	-
Ne therlands		EMODNET	Europlatform	https://m MO (Sea Level, Water Temperature, Waves, Winds)	instantaneous	instanta negus	Poin t	$\vdash$	-	+	_	-	-	_	_	-	-	_	-
Ne therlands		EMODNET	Umui denMunities tort	https://m.MO (Water Temperature, Waves)	instantaneous	instanta negus	Point.												
Belgium	Hydrodynamic		FORECAST_PHY_004_013	https://re.numerical-model	hourly, daily-mean; 15-min (33 levels)	daily(12h)	0.014" x 0.03"	X X 3	×	x	_				_		$\perp$	_	
Belgium	Hydrodynamic	CMEMS	FORECAST_PHY_LR_004_001	https://re_numerical-model	dailymean (241 evels)	daily(12h)	0.111" x 0.067"	X X 3	×	x									
Belgium		CMEMS	OBSERVATIONS_013_036	https://re Observations	instantaneous	daily													
Belgium	How			https://nr River flow	instantaneous	daily	Poin t												
Belgium	Hydrodynamic			https://nr Tide gauge station	instantaneous	daily	Poin L	×											
	Waves			https://nr fixed buoys,MO, fixed observations	instantaneous	daily	Point		-										
Relaium		QMEMS	FOREGAST WAY 004 014	https://m.nxed.buoys.wo, nxed.bus.erwa.uns.	houd y	daily(12h)	0.014" x 0.03"			+	-								
Belgium Belgium	Winner		FORECAST NOV 004 002	https://m.numerical-model	dail ymean	daily(12h)	0.111° × 0.067°		_	_	×	^ X	×	×					
Belgium	Waves							-		X	_	_	$\rightarrow$	_	_	_	_	_	_
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Belgium Belgium Belgium	Biogeochemis Chlorophyll	CMEMS	L3_NRT_OBSERVATIONS_009_086	https://re Satellite observations	dailymean	dail ( 18:00)	0.3km × 0.3km			X	_	_							_
Belgium Belgium Belgium Belgium	Biogeochemis Chlorophyll Chlorophyll	OMEMS	L3_NRT_OBSERVATIONS_009_086 L4_NRT_OBSERVATIONS_009_087	https://ec Satellite observations https://ec Satellite observations	dailymean dailymean	dail ( 18:00) dail ( 20:00)	0.3km × 0.3km 1km × 1km			x									
Belgium Belgium Belgium Belgium Belgium	Biogeochemis Chlorophyll Chlorophyll SST	OMEMS OMEMS	L3_NRT_OBSERVATIONS_009_036 L4_NRT_OBSERVATIONS_009_037 L4_NRT_OBSERVATIONS_010_025	https://ec Satelli te observations https://ec Satelli te observations https://ec Satelli te observations	dail ymean dail ymean dail ymean	dail ( 18:00) dail ( 20:00) dail ( 12:00)	0.3km × 0.3km 1km × 1km 0.02* × 0.02*		x	×									
Belgium Belgium Belgium Belgium	Biogeochemis Chlorophyll Chlorophyll SST SST	OMEMS OMEMS OMEMS OMEMS	L3 NRT OBSERVATIONS 009 036 L4 NRT OBSERVATIONS 009 037 L4 NRT OBSERVATIONS 010 025 L4 NRT OBSERVATIONS 010 001	https://mc Satelli te observations https://mc Satelli te observations https://mc Satelli te observations https://mc Satelli te observations	dailymean dailymean	dail v(18:00) dail v(20:00) dail v(12:00) dail v(08:00; 12:00 UTC)	0.3km × 0.3km 1km × 1km 0.02* × 0.02* 0.05* × 0.05*		x	x									
Belgium Belgium Belgium Belgium Belgium	Biogeochemis Chlorophyll Chlorophyll SST	OMEMS OMEMS OMEMS OMEMS	L3_NRT_OBSERVATIONS_009_036 L4_NRT_OBSERVATIONS_009_037 L4_NRT_OBSERVATIONS_010_025	https://ec Satelli te observations https://ec Satelli te observations https://ec Satelli te observations	dail ymean dail ymean dail ymean	dail y 18:00) dail y (20:00) dail y (12:00) dail y (08:00; 12:00 UTC) dail y (00h, 12h)	0.3km × 0.3km 1km × 1km 0.02* × 0.02*		x	x						x	x x	x	x
Belgium Belgium Belgium Belgium Belgium Belgium	Biogeochemis Chlorophyll Chlorophyll SST SST	OMEMS OMEMS OMEMS OMEMS DWD	L3 NRT OBSERVATIONS 009 036 L4 NRT OBSERVATIONS 009 037 L4 NRT OBSERVATIONS 010 025 L4 NRT OBSERVATIONS 010 001	https://mc Satelli te observations https://mc Satelli te observations https://mc Satelli te observations https://mc Satelli te observations	dail ymean dail ymean dail ymean dail ymean	dail v(18:00) dail v(20:00) dail v(12:00) dail v(08:00; 12:00 UTC)	0.3km × 0.3km 1km × 1km 0.02* × 0.02* 0.05* × 0.05*		x	x						×	x x	x	x
Belgium Belgium Belgium Belgium Belgium Belgium Belgium	Biogeochemis Chlorophyll Chlorophyll SST SST Meteorology Meteorology	OMEMS OMEMS OMEMS OMEMS DWD DWD	L3_NRT_OBSERVATIONS_009_086 L4_NRT_OBSERVATIONS_009_087 L4_NRT_OBSERVATIONS_010_025 L4_NRT_OBSERVATIONS_010_001 ICON 7 km	https://m Satelli to observations https://m Satelli to observations https://m Satelli to observations https://m Satelli to observations //m Satelli to observations	dail ymean dail ymean dail ymean dail ymean houf y	dail y 18:00) dail y (20:00) dail y (12:00) dail y (08:00; 12:00 UTC) dail y (00h, 12h)	0.3km × 0.3km 1km × 1 km 0.02* × 0.02* 0.05* × 0.05* 7 km × 7 km 3 km × 3 km		x	x								x x	x x
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Belgium Belgium Belgium Belgium Belgium Belgium Belgium Belgium Belgium Belgium	Biogeochemis Chlorophyll Chlorophyll SST SST Meteorology Meteorology Meteorology	CMEMS CMEMS CMEMS CMEMS DWD DWD NOAA METAR	L3, NTC OBSERVATIONS, 009, 036 L4, NTT OBSERVATIONS, 009, 037 L4, NTT OBSERVATIONS, 010, 025 L4, NTT OBSERVATIONS, 010, 001 ICON 7 Jam ICON 3 Jam GIFS 25 Jam Airport Koksi jie Air Saxe Observation all Koksi jie Air Saxe	himse. (In Set telli in other mark one himse, 1/m Set telli in other mark one himse (In Set telli in other mark one himse (In Set telli in other mark one himse (In Set telli in other mark one momental a-model momental a-model momental a-model of the set telli in other momental in other momental in other momental in other himse, (In Set telli in other himse,	dail ymean dail ymean dail ymean dail ymean dail ymean houd y houd y houd y ins Lantaneous ins Lantaneous ins Lantaneous	dail v( 18:00) dail v( 12:00) dail v( 12:00) dail v( 12:00) dail v( 100h, 12:h) dail v( 100h, 12:h) dail v( 100h, 12:h) dail v( 100h, 12:h), 13:h ins tenta medus ins tenta medus ins tenta medus ins tenta medus ins tenta medus	0.3km × 0.3km 1km × 1km 0.02* × 0.02* 0.05* × 0.05* 7 km x 7 km 3 km x 3 km 25 km x 25 km Point Point Point	X	x	X					x x x	x	x x	x x x x	
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# Add data is private by default





## Live demo



https://united.hidromod.com/





Pedro Galvão

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