

# WHIRLS General Assembly

**20 - 22 May 2025**

University of Gothenburg

[Dockyard Hotel](#), Signe's meeting room, Skeppet Ärens Väg 23, Göteborg, Sweden

For those joining online: <https://gu-se.zoom.us/my/sswart>

*Includes the Early Career Researcher Day (19 May) and Workshop on ocean robotic platforms (23 May)*



**Welcome to the first General Assembly of WHIRLS!** We are excited to host you in Gothenburg for a fun week together and with many aspects of WHIRLS science and planning to discuss. The main objectives of the meeting are to present and discuss:

- Latest WHIRLS developments, introduce new faces and reminder of the project objectives
- Showcase and discuss emerging science
- Scientific planning of observations and modelling activities, refining our plans and strategies
- Networking and getting to know each other, esp new team members and collaborators
- Furthering operational aspects, such as ECR network, data, future training & outreach

## Sunday, 18<sup>th</sup> May

1700	Ice-Breaker for WHIRLS ECRs  Drinks and finger food	Johan is hosting at his home: Doktor Sydows Gata 1E, Gothenburg  Johan: +46 73 570 4450	Johan, Vincent
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## Monday, 19<sup>th</sup> May

0830 - 0900	WHIRLS ECR-Day	At 08h30, gather in the atrium of Natrium building (underneath the yellow leaves installation). Grab a coffee	Johan, Vincent
0900 - 1230	Korallrevet Room, <a href="#">Natrium</a> , Faculty of Science, University of Gothenburg: <a href="#">Medicinaregatan 7B,</a> <a href="#">413 90 Göteborg</a>	'Visualize your science' workshop starts at 09h00	
1230 - 1400	Lunch	Wallenberg Centre	
1400 - 1530	WHIRLS ECR-Day... continues  In Natrium	Data management workshop: "Brick by brick – Building rich metadata for data publications"	Klaus, Johan
1650 - 2100	WHIRLS Ice-Breaker  Meet at Dockyard Hotel lobby at 16:50	Tour  Drinks and finger-food at Tapasbaren after tour	Seb

Tuesday, 20 <sup>th</sup> May Dockyard Hotel, Nya Varvet with online connection			
0830 – 0900	Registration and coffee mingle	Near Signe's Room in Dockyard Hotel	Marcel, Johan, Vincent
0900 – 0930	Welcome	Goals of the meeting and culture Expectation (open for input from all) Main objectives of WHIRLS and WP structure (5min) Including housekeeping, agenda, breaks etc.	Seb
0930 – 1000	New faces of the WHIRLS team	Round table introductions of who we are, with an emphasis on new faces that have emerged during the year	All, Emma, Mariana, Elisa, Beatrice, Geoffroy, Vincent, Renske, Gonzalo
1000 – 1045	WHIRLS – first-year developments & implementation	Summary of the main activities and developments in the first year of WHIRLS e.g. challenges, main equipment updates, model status, lab developments, support, outreach, related papers(?), highlight synergetic activities	Arne, Sabrina
1045 – 1115	Coffee break		
1115 – 1200	WHIRLS – first-year developments & implementations.. continues	Summary of the main activities and developments in the first year of WHIRLS	Seb, Sarah
1200 – 1245	<b>Science presentations</b>	Scientific presentation (15 min & 5-10 min discussion) Upload presentations beforehand <a href="#">here</a>	

	<b>Theme 1:</b> Ocean circulation and vertical processes	<b>Solange Coadou:</b> Resolving Sharper Fronts of the Agulhas Current using SWOT Altimetry  <b>Leon Mock:</b> Quantifying the role of the submesoscale in the decay of Agulhas Rings	Chairs: Johan Edholm & Calvin Swart
1245 - 1400	Lunch		
1400 – 1430	Guest speaker	<b>Abigale Wyatt:</b> Evaluation of 1D thorium export models around dynamic physical structures like eddies and fronts	Chairs: Johan Edholm & Calvin Swart
1430 - 1500	Coffee break		
1500 - 1620	<b>Theme 1:</b> Ocean circulation and vertical processes  Continues...	<b>Elisa Carli:</b> SWOT's new observational capacity at surface fine scales enables the reconstruction of enhanced vertical dynamics  <b>Rene Schubert:</b> Submesoscale dynamics in the Agulhas region from ocean simulations and SWOT  <b>Mariana Lage:</b> Turbulence variability in the surface mixed layer  Discussion	Chairs: Olivia Dawson & Vincent Doriot
1630 onwards	Network-Dinner	Archipelago kayak and dinner on islands  Bring appropriate clothing with you (swimming costume, wind proof jacket)	

**Wednesday, 21<sup>st</sup> May 2025 - Dockyard Hotel, Nya Varvet with online connection**

0730 - 0830	<b>Fun Run</b>	Optional 5km fun run starting outside Dockyard Hotel	Marcel
0900 – 1045	<b>Science presentations</b>  <b>Theme 2:</b> Biogeochemical cycles	<b>Renske Koets:</b> Observed ventilation pathways in the Cape Basin using oxygen and particle tracers  <b>Olivia Dawson:</b> Investigating incidences of nitrate supply using SUNA sensor data from a glider and nitrate isotope ratios  <b>Calvin Swart:</b> Nitrogen supply and cycling in the Agulhas Current: insights from high-resolution isotope data  <b>Tanya Marshall &amp; Emma Fahraeus:</b> Nitrate data from the Agulhas Retroflection, what can we learn?  Discussion	Chairs: Solange Coadou & Leon Mock
1045 - 1115	Coffee break		
1115 - 1230	<b>Science presentations</b>  <b>Theme 3:</b> Air-sea interactions of heat and carbon	<b>Johan Edholm:</b> The Uncrewed Advantage? Assessing USV capability in the Cape Basin  <b>Gonzalo Ruiz:</b> Drivers of air-sea CO2 fluxes in the Cape Basin  <b>Marcel du Plessis:</b> The impact of storms on seasonal warming	Chairs: Renske Koets & Emma Fahraeus
1230 - 1400	Lunch		
1400 – 1430	SA Partner presentation	<b>Tarron Lamont:</b> Ongoing DFFE Physical Oceanography research and monitoring in the WHIRLS focus area	Chairs: Renske Koets & Emma Fahraeus

1430 – 1600	Observational strategies & plans	Co-constructing the observational campaign using ships and robotics  Including outcomes of the SA meeting; Inform and discuss emerging collaborations  <b>Invitation for any collaborators to briefly present any info or plans</b>	Seb, Sabrina, Sarah  Collaborators
	Coffee break during discussions		
1600 - 1730	Modelling strategies/progress	Inform and discuss emerging collaborations  <b>Invitation for any collaborators to briefly present any info or plans</b>	Arne  Collaborators
1900 –	Beach braai (BBQ)  PIs hosted for dinner at Seb's home	Beach near Dockyard Hotel	Johan, Vincent, Marcel  Seb

**Thursday, 22<sup>nd</sup> May - Dockyard Hotel, Nya Varvet with online connection**

0900 - 1000	Report about the ECR work and actions in WHIRLS	Including info about Monday and info on Friday	Johan, Vincent
1000 – 1015	Focus groups idea	Demo and discussion about focus groups dealing with WHIRLS scientific question and methods framing	Seb, Marcel, Johan

1015 – 1045	Capacity sharing, mobility and training	Open discussion on ideas and implementation	PIs, All
1045 – 1115	Coffee Break		
1115 - 1200	WHIRLS Data management		Klaus
1200 – 1230	WHIRLS project management, engagement & communication issues	Info about the upcoming reporting	Anja
1230 – 1300	Plans for the coming year, final discussion, next steps	Upcoming cruises, meetings etc.	Sabrina, Sarah Arne, Seb
1300 – 1430	Lunch	Including tour on the university's RV Skagerak	Seb, Johan
1430 – 1700	OMC closed meeting		OMC

Friday, 23 <sup>rd</sup> May <i>Ocean robotics workshop</i>			
0900 – 1300	Workshop on ocean robotic platforms	In person workshop on ocean robotics Dockyard Hotel and VOTO	Johan, Estel, Vincent

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