



SO-CHIC in the EU Polar Cluster

Meeting Name

ASSW 2023, Vienna AT

Presenter name(s) & Organisation(s)

Griffith Couser, European Polar Board (NL)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°821001.



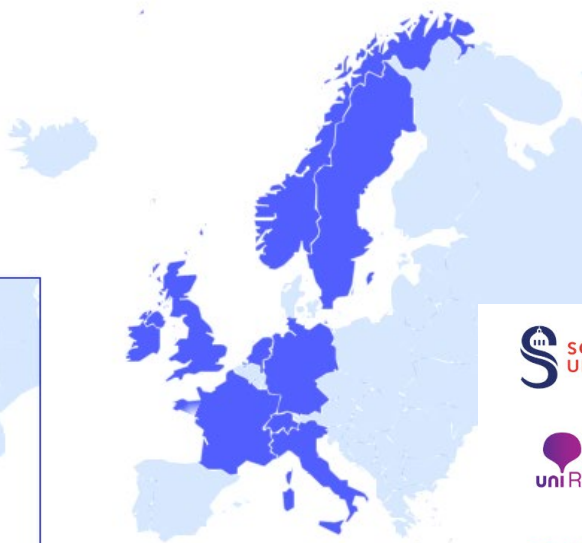
General information

H2020 Research & Innovation Action

European Commission Societal challenge 5 on « Climate Actions »

15 partners from 10 different countries

Coordinator: JB Sallée at Sorbonne



Start	Duration	End	Maximum EC contribution	EU reimbursement rate
01/11/2019	48 months	31/10/2024	€ 7,989,925	100%



Objective

To understand and quantify variability of heat and carbon budgets in the Southern Ocean





The Southern Ocean has a huge climate regulation role which is poorly understood and represented in current climate models.









Project architecture

Key processes

 <p>WP1 Air-sea fluxes</p>	 <p>WP2 Upper ocean ventilation pathways</p>	 <p>WP3 Bottom ocean ventilation pathways</p>	 <p>WP4 Abrupt large polynya events shortcutting conventional pathways</p>
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 <p>WP5 Impact on the coupled climate system</p>	 <p>WP6 Variability and trends of heat and carbon uptake and storage</p>	 <p>WP7 Data management and connection with climate services</p>	 <p>WP8 Project management and dissemination</p>
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Large-scale impact

Data & project management, dissemination



Links and Plans

Upcoming:

- SO-CHIC/EUPN2 Press Briefing - Brussels, May 3rd (details tbd)
- Webinar series – WP7 March 16th, Final coming in April
- Work Package illustrations and artist collaborations
- Ongoing series: @TashaOcean / #TashaGoesSouth
- General Assembly – Autumn 2023

Links:

- IPCC reporting and global stocktake;
- SOOS, CMEMS, SDC, and EMODnet;
- European Polar Board and EU Polar Cluster links to policy and communication;
 - Marine Strategy Framework Directive, EU Water Framework Directive, etc.
 - Other projects: OCEAN-ICE, TiPACCS, PROTECT



SO-CHIC

Southern Ocean Carbon and
Heat Impact on Climate



THANK YOU

<http://www.sochic-h2020.eu/>

<https://europeanpolarboard.org/>

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@EUPolarBoard



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