

OCTOBER 10<sup>th</sup>, 2024

**Afternoon session** (14:00-18:00)

- 13:00-13:15** Registration of participants (Parco Horcynus Orca)
- 13:00-14:00** Welcome cocktail (Parco Horcynus Orca; first floor)
- 14:00-14:15** Welcome and introduction
- 14:15-14:30** Angelina Lo Giudice, Maurizio Azzaro, Vito Vitale  
**The Fourth International Conference on Arctic Research Planning (ICARP IV) Process (2022-2026)**
- 14:30-15:00** Federico Citterich, Angelina Lo Giudice, Maurizio Azzaro  
**The current state of microplastic pollution in Arctic freshwater systems**
- 15:00-15:30** Nikolaos Evangeliou  
**Atmospheric transport of microplastics to remote areas**
- 15:30-16:00** Coffee break (Parco Horcynus Orca; first floor)
- 16:00-16:30** Inta Dimante-Deimantovica, Marta Barone, Sanda Svipta  
**Microplastics in Arctic rivers, lakes and fiords - size and replicas matter**
- 16:30-17:00** Jennifer Provencher  
**Microplastics in freshwater habitats in northern Canada - implementing protocols from AMAP in the Canadian Arctic**
- 17:00-17:30** Fabiana Corami  
**Microplastics and microlitter in Svalbard Islands**
- 17:30-18:00** Discussion
- 20:00** Dinner (Capo Peloro Hotel)

OCTOBER 11<sup>st</sup>, 2024

**Morning session** (9:00-13:00)

- 9:00-9:30** Ilaria Corsi, Clara Manno  
**Plastic pollution in polar areas. The road to Busan to the United Nations Plastic Treaty final session negotiations**
- 9:30-10:00** Cristina Pedà, Carmen Rizzo, Teresa Romeo, Angelina Lo Giudice  
**Microplastics in remote regions: a snapshot from two sub-Arctic rivers**
- 10:00-10:30** Davide Taurozzi, Massimiliano Scalici  
**Microplastics in seabirds: an Arctic drama**
- 10:30-11:00** Francisca Fernández-Piñas, Miguel Gonzalez-Pleiter, Francisco Leganes, Juan Manuel Valenzuela, Franco Teixeira de Mello, Juan Pablo Lozoya  
**Insights into the polar plastisphere**
- 11:00-11:20** Coffee break (Parco Horcynus Orca; first floor)
- 11:20-11:45** Angelina Lo Giudice, Maurizio Azzaro  
**Overview of questionnaire results**  
(<https://forms.gle/UZb2pqieggqB6TPn6>)
- 11:45-13:00** **Brainstorming in small groups to individuate research gaps and priorities**
- 13:00-14:00** Light lunch (Parco Horcynus Orca; first floor)

**Afternoon session** (14:00-16:30)

- 14:00-15:00** **Outcomes from the brainstorming by rapporteurs**
- 15:00-16:00** **Drafting a summary report to be shared with ICARP IV for implementation**
- 16:00-16:20** Coffee break (Parco Horcynus Orca; first floor)
- 16:20-16:30** **Final considerations and future steps before reporting to ICARP IV**
- 16:30-16:45** Gaetano Giunta (Fondazione Messina)  
**Il Distretto Sociale Evoluto**
- 16:45-18:00** Visit of the Parco Horcynus Orca
- 20:00** Dinner (Capo Peloro Hotel)



# Workshop Microplastic emergency and the associated plastisphere in freshwater habitats of the Arctic

**MESSINA • 10-11 OCTOBER 2024**  
**PARCO HORCYNUS ORCA (EDIFICIO EX TIRO A VOLO)**  
**TORRE FARO - MESSINA (SICILY - ITALY)**

Scientific Committee: **Maurizio Azzaro, Angelina Lo Giudice**  
Organizing Committee: **Guglielmo Di Leo, Alessandro Cosenza**  
**Alessandro C. Rappazzo, Maria Papale**

The workshop has been endorsed by the International Arctic Science Committee (IASC) and received financial support by the Italian Arctic Research Program (PRA)

## BRIEF DESCRIPTION

The international workshop on Microplastic emergency and the associated plastisphere in freshwater habitats of the Arctic will last in two days.

**The First Day** will start in the afternoon and it will be dedicated to lectures by experts to showcase the current knowledge on microplastic pollution and the plastisphere in the under-investigated Arctic freshwaters. Each lecture will have a duration of 25 min plus 5 min for Q&A. A one-hour discussion among all participants on the topics addressed will be expected after this session.

**The Second Day** will include both morning and afternoon sessions. The first part of the morning session, as for Day 1, will be dedicated to lectures. After the lectures, participants will be subdivided in small groups for a first brainstorming on selected topics (to be defined) to individuate main research gaps and priorities related to microplastic pollution in the Arctic freshwaters. The afternoon session will be devoted to merge main information emerging from the morning break-out sessions to draft a document showcasing the outcomes of the two-day workshop to be shared with ICARP IV (International Conference on Arctic Research Planning) for implementation (<https://iasc.info/our-work/icarp/939-icarp-iv-2025>).

## PRACTICAL INFOS

- Lunches and coffee breaks will be held at the Parco Horcynus Orca and covered by the organizers.
- Dinners will be held at the Capo Peloro Hotel and covered by the organizers.
- Costs for travel and accommodation (two to three nights-stay in Messina at the Capo Peloro Hotel, <https://www.capopeloro.com>) of invited speakers will be covered by the organizers.

The time-schedule of the Workshop is reported in the following table.

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