

Next Generation Climate Science in Europe for Oceans  
End-term Meeting

MixED LayEr heterogeneity

**MEDLEY**

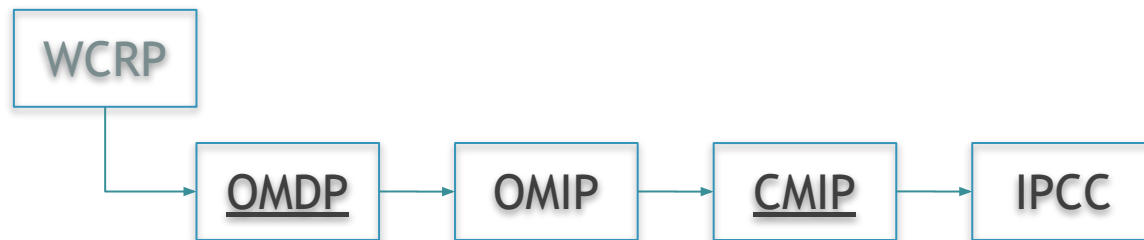
29 April  
2024

JPI  
**OCEANS**



## Main outreach materials and dissemination activities

- **Presentations at international conferences**
  - 2022: 14 oral presentations (no posters due to COVID)
  - 2023: 10 oral presentations, 13 posters
  - 2024: 19 oral presentations, 19 posters
  - A dedicated session at EGU from 2023
- **Participation in OMDP and CMIP**
  - Aim: Updated guidelines for diagnosing the mixed layer in CMIP



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## Main outreach materials and dissemination activities

News stories on institutional web sites and in social media - examples

- INSU newsletter “Nouvelle base de donnée pour la couche de transition océanique”
- NERSC news and social media: “A third of the new winter sea ice in the Arctic forms within cracks in the sea-ice cover”
- A podcast about sea-ice fractures and the upper ocean coming soon in the Bjerknes Centre podcast series



## Effective and ineffective communication strategies (as observed)

### Effective:

- **Communication with other scientists: conferences & workshops**
- **Contribution to “the value chain”**
  - Contributions to the CMIP process
  - Contributions to NEMO development

### Less effective:

- **Communication with the public**
  - Limited or no dialog on websites and social media
  - In-person events give opportunity for dialog, but often superficial

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How do you ensure that your project results will be taken up by society and/or policy and contribute to a longer-term impact?

- **MEDLEY focuses on basic research with no immediate societal impact**
- **But MEDLEY will have a long-term impact by improving our tools and understanding of the mixed layer**
  - Important for understanding and predicting climate
  - Important for ocean biology
- **We ensure that MEDLEY results have this impact by**
  - Participation in OMDP and CMIP
  - Close contact with the NEMO (and ocean modelling) community