

WG members

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... Welcome to PML within the working group!

Overall objectives

- i) improve the **orthogonality between physical processes** and oceanic tracers dynamics,
- ii) consolidate the **modularity of the interface** sub-components,
- iii) foster the code **readiness to handle future evolution** of biogeochemical models

WG page:

<http://forge.ipsl.jussieu.fr/nemo/wiki/WorkingGroups/TOP>

Summary of NDS activities (chapter 10)

| 10.2.# | Development |
|--------|--|
| 1 | Tracers vertical sinking |
| 2 | Vertical light penetration scheme |
| 3 | Carbonate System module (CSM) |
| 4 | Air-sea gas exchange module |
| 5 | Implementation of new BGC components |
| 6 | New implementations within PISCES biogeochemical model |

IMMERSE H2020

Activities supported by IMMERSE H2020

Task 5.3 [M1-M24] Efficient and flexible interface with biogeochemical models

1 Tracers vertical sinking

Generalized scheme to treat sinking of oceanic tracers

2 Vertical light penetration scheme

Shared scheme to determine vertical light to drive BGC processes

Expected completion of the above activities by the end of 2020 to fulfil
Deliverable 5.3 [& MS24] New schemes in NEMO reference version

Summary of NDS activities (chapter 10)

| 10.2.# | Development | |
|--------|--|-------------------|
| 1 | Tracers vertical sinking | |
| 2 | Vertical light penetration scheme | |
| 3 | Carbonate System module (CSM) | short-term |
| 4 | Air-sea gas exchange module | |
| 5 | Implementation of new BGC components | mid-term |
| 6 | New implementations within PISCES biogeochemical model | |

Planned activities will be update internally to the working group in the new year to revise proposed developments in coordination with the new member.