



sirocco

SIROCCO User's Meeting & Training

2-4 July 2019

Observatoire Midi-Pyrénées, Toulouse

Schedule - 26 June 2019

Tuesday, 2 July

SIROCCO User's Meeting (*room Lyot*)

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| 09:00 | Arrival of participants |
| 09:30 | Introduction - <i>Caroline Ulses</i> |
| 09:40 | Recent developments in TUGO model - <i>Florent Lyard</i> |
| 10:10 | Recent developments in SYMPHONIE model - <i>Patrick Marsaleix</i> |
| 10:40 | Coffee break |
| 11:00 | Recent developments in S-DAP and applications - <i>Pierre De Mey</i> |
| 11:40 | Discussion on model developments and needs of users |
| 12:15 | Lunch |
| 14:00 | Meso-scale modelling of the Mediterranean sea: Focus on the Levantine basin - <i>Claude Estournel</i> |
| 14:15 | POC budget of the Gulf of Lion shelf - <i>Gaël Many</i> |
| 14:30 | Modelling of hydrodynamics and sediment transport in the Gulf of Lion shelf - <i>Guillaume Mikolajczak</i> |

- 14:45 Impact of extreme events on coastal marine ecosystems in the Mediterranean. Approach by coupled hydrodynamic-biogeochemical modelling. - *Rémi Caillibotte*
- 15:00 Internal tidal waves impact over the surface elevation and their seasonal variability - *Simon Barbot*
- 15:15 Coffee break
- 20:00 Dinner at “la Brasserie des Arcades”, Place du Capitole

Wednesday, 3 July

Training on pre- and post-processing tools and CTOH data (room Lyot)

- 09:30 Model outputs visualisation (POCVIP) (*Damien Allain*)
- 11:00 Coffee break
- 11:20 Information and training on CTOH data (*Florence Birol, Fabien Léger*)
- 12:30 Lunch
- 13:30 Building structured and unstructured model grids (mesh, bathymetry) using the tools POCVIP (*Damien Allain*)
- 15:30 Coffee break
- 15:50 Building structured model grids (mesh, bathymetry) using the, S-gridmaker (*Patrick Marsaleix, Thomas Duhaut*)

Thursday, 4 July

Training course on SYMPHONIE model (room Lyot)

P. Marsaleix, T. Duhaut, C. Nguyen

- 09:30 Installation (sources, NetCDF libraries), use of cluster
- 10:00 Presentation of the work environment
- 10:30 Coffee break
- 10:50 Realistic coastal case: modelling of the Gulf of Tonkin - Part I
- 12:30 Lunch
- 14:00 Realistic coastal case: modelling of the Gulf of Tonkin - Part II

