**Agenda for the Fourth Session of CLIVAR Eastern Boundary Upwelling System Research Foci (EBUS RF)**

Time: 9:00 AM - 5:00 PM, 20-21 July 2019

Venue: ICTP, Trieste, Italy

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|  | **Day 1 (Jul. 20)** |  |
| 09:00 | Welcome  | Alban, Ryan, Thomas and Jing |
| 09:15 | Overview of the ICTP-CLIVAR Summer School | Alban, Ryan, Thomas |
| 09:30 | Review of the action items from EBUS RF-3 | Alban, Ryan, Thomas |
| 10:00 | Update from members (1)*5 minutes per participant with 1 or 2 slides (no required) on points of research interest on general EBUS issues and relevant for the aims outlined in the Prospectus* | EBUS RF members |
| ***10:45*** | ***Break*** |  |
| 11:15 | Update from members (2)*5 minutes per participant with 1 or 2 slides (no required) on points of research interest on general EBUS issues and relevant for the aims outlined in the Prospectus* | EBUS RF members |
| ***12:00*** | ***Lunch*** |  |
| 14:00 | Updates on international collaborative efforts by other groups:Within CLIVAR:1. CLIVAR Pacific Regional Panel (Ryan)
2. CLIVAR Atlantic Regional Panel (Paquita)
3. CLIVAR Ocean Model Development Panel

Other international groups:1. SCOR WG-155 on EBUS (Ryan)
2. PICES WG-40 on Climate and Ecosystem Prediction (Ryan)
3. Canary Current Large Marine Ecosystem (Antonio)
 | Ryan |
| 14:30 | Work on deliverables, new opportunities 1. Main objective of the RF in 20202. Perspective on ongoing and future research & relevance for CLIVAR | Alban, Ryan, Thomas |
| ***15:30*** | ***Break*** |  |
| 15:30 | Continue working on deliverables, new opportunities 1. Main objective of the RF in 20202. Perspective on ongoing and future research & relevance for CLIVAR | Alban, Ryan, Thomas |
| 16:30 | Planned EBUS Open Science Conference in 2020/2021 | Alban, Ryan, Thomas |
| ***17:00*** | ***Adjourn*** |  |

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| **Day 2 (Jul. 21)** **Workshop on Resolving impacts of climate processes on upwelling dynamics** |
| **09:00** | **Overview of progress of the ‘perspective’ article on key uncertainties in EBUS research** | Thomas & Ryan |
| **09:20** | **Session 1: Atmosphere and ocean structure (Chair: Thomas)** |  |
| 09:20 | 1.1 Atmosphere (title to be confirmed) | Thomas |
| 09:40 | 1.2 Ocean (title to be confirmed) | Martin |
| 10:00 | 1.3 Coupled (title to be confirmed) | TBC |
| 10:20 | Break (20 mins) |  |
| **10:40** | **Session 2: Interannual to decadal variability (Chair: Art)** |  |
| 10:40 | 2.1 ENSO case |  |
| 11:00 | 2.2 Decadal |  |
| 11:20 | 2.3 Other types of interannual variability |  |
| **11:40** | **Session 3: How do differences in characteristics among EBUS (Chair: Ryan)** |  |
| 11:40 | 3.1 Underlines different signals (temporal variability, based on section 1-2) and how they might influence ecological responses |  |
| 12:10 | 3.2 How differences/specificities in geometry of the coastline and shelves might have different implications for ecological sensitivities to climate change |  |
| ***12:30*** | ***Lunch*** |  |
| 14:00 | Breakout discussion |  |
| ***15:30*** | ***Break*** |  |
| 16:00 | Wrap up with group presentation, Deliverables: a revised structure of the perspective paper and timeline | Thomas & Ryan |
| ***17:00*** | ***Adjourn*** |  |