Objectives of the meeting

- Review the actions decided at the 17th ADMT meeting and progress made since last year
- Agree on clear criteria to include float data in the Argo data system and moving forward with Auxiliary data system
- Feedback from monitoring the quality of Argo float data processing in Real time and Delayed mode
- Review Regional Argo Data Centre progress
- Report from 6th Bio-Argo Workshop

Schedule: Meeting will start at 9am and finish around 1730 on Wednesday and Thursday. We plan to finish around 1300 on Friday.

Wednesday 29th November

Welcome address (15mn)

- Feedback from 18th AST meeting : S. Wijffels (30mn)
- Status of Argo Program and link with Users (1h00)
  Status on the actions 2,3,11,13,21,32
  - Review of the Action from last ADMT (M. Scanderbeg) 15 mn
  - Argo Status + Real-time Monitoring : including monitoring delays to deliver data to GDACS , monitoring of major anomalies detected each month, Requested actions from DACs. Trying to identify why some anomalies are not corrected (Mathieu Belbeoch) Action 3,11,13,21 (30mn)
  - New Argo visualization website and API (M. Scanderbeg) (15 mn)
  - Earth.nullschool.net update (S. Diggs) (15mn)
  - Progress on Argo Data Paper and DOI (S. Wijffels) (15mn)
  - Feedback on Citation advertisement (T. Carval) Actions 2,32 (5mn)

13H00  Lunch break

- Feedback on 6th BGC-Argo Workshop (H Claustre) (0h30)
- Feedback from the Profiling Float and Platform Workshop (S. Wijffels) (0h30)

- Real Time Data Management (2h)
  Status on the actions 4,5,6,7,8,9
  - GTS status (Anh Tran) (20mn)
  - Status of delivery of BUFR to the GTS including BFFR converter tools feedback on the GTS test (Anh Tran, Thierry Carval and Mike Frost) Actions 4,5,6 (20 mn)
  - Status of anomalies at GDAC (Christine Coatanoan) (20mn)
  - Status on Anomalies detected with Altimetry (Stéphanie Guinehut) (20mn)
  - Feedback on Investigation in changing RT order test to catch more anomalies (C. Coatanoan) Actions 7,8 (15mn)
  - Status on density test implementation (C. Coatanoan, ?) (15mn)
  - Density inversion test and alternate flagging algorithms (J. Reißmann) (15 mn)
  - Proposal on how to include RBR data in Argo data system (A. Wong) (15 mn)

- Progress on Argo Reference data base (0h30)
  Status on the actions 10,11
  - Summary of the actions since ADMT-17 (C Coatanoan) Action 10
  - CCHDO/US-NODC-progress (Steve Diggs, T Boyer) Action 11
Thursday 30th November

- **GDAC Services** (M Frost, T Carval) (1h30)
  
  **Status on the actions**: 14 to 24
  - Operation status at US-GDAC and Coriolis-GDAC (Thierry Carval, Mike Frost) Actions 15, 16, 17, 18, 19, 22, 23, 24 (30mn)
  - Auxiliary directory tree status (Thierry Carval, Mike Frost) Action 14 (20mn)
  - Status of Format Checking operations for profiles (Mark Ignaszewski, Mike Frost) Action 16, 21, 23 (20mn)
    - For profile files
    - For metadata, tech and trajectory files
  - Maintenance of tables centrally – who looks after additions and changes operationally? (Thierry Carval, Mathieu Belbeoch, Catherine Schmectig) Action 21 (10mn)
  - Status of the new GDAC Cookbook and profile Cookbook (Thierry Carval, Mike Frost) Action 20 (10mn)
  - Production and serving of Mprof.nc files
  - New needs?

- **Format issues** (2h00)
  - The new formats mean a challenge for the DACs – how well are we implementing V3.1? what issues remain?
  
  **Status on the actions**: 25, 26, 27, 28, 29, 30
  - Upgrade to V3.1 Real-Time and historical T&S floats at GDAC (all) (15mn)
  - Meta- and tech-data updates from Float and Platform Workshop (R. Cowley) (15 mn)
  - Feedback from AST on meta and tech parameters and current status of highly desirable CONFIG_PARAMS (J. Gilson, E. Van Wijk, B. Klein) Actions 29, 30 (20mn)
  - Proposal on how to improve information on under-ice positions (C. Schmid, E. Van Wijk, B. Klein) Action 28 (30min)
  - How to accommodate Deep Argo ascending/descending profiles (J. Gilson) (10mn)
  - How to store time series in tech files (T. Carval, J. Gilson, J-P Rannou) Action 25 (20 mn)

- **Trajectory files** (15 min)
  - Update on Trajectory File Status and DAC Trajectory Workshop (Megan Scanderbeg) (15mn)

  13H00 Lunch

- **Delayed Mode Data Management** (1h00)
  - Improving Delayed Mode Processing Monitoring and Priority setting (S. Pouliquen, B. King and working group) Action 12 (45 mn)
  - SBE41 Performance from delayed mode (A. Wong, J. Gilson) (20mn)
  - Can Machine Learning help for DMQC analyzing History fields? (G. Maze) (20mn)
  - Orphan float management (M. Belbeoch) (15mn)
  - New topics ???

Friday 1st December

- **ARCs**: provide an information on what done and what is planned (1h30)
  - Update on ARC progress (ARCs leaders) 15mn each
    - North Atlantic Cecile Cabanes
    - South Atlantic Claudia Schmid
    - Mediterranean Sea Giulio Nortastefano, Action item 34
    - Pacific Ocean Kanato Sato, Action item 35
    - Indian Ocean Uday Bhaskar
    - Southern Ocean Birgit Klein/Matt Donnelly

- **GADR Status of the Archiving centre** (T Boyer) Action item 31-32 (0h30)

  Coffee break

  **Summary of the 18th ADMT actions**: (S Pouliquen, M Scanderbeg) 30mn
  - Location of 19th ADMT