

| NAWDEX workshop schedule (26-28 March, CIC, Météo-France, Toulouse) | | |
|--|--------------|---|
| Tues 26 March | | |
| 12:15 | 13:45 | Lunch / Buffet |
| 13:45 | 14:00 | Introduction |
| 14:00 | 15:30 | Session 1 - Instrument-driven studies (chair: Gwendal Rivière) |
| 14:00 | 14:25 | Florian Ewald: How Radar, Lidar and Solar Radiance Observations Can Help to Distinguish Different Microphysical Regimes in Ice Clouds |
| 14:25 | 14:50 | Eleni Marinou: Characterization of the clouds observed during NAWDEX with the synergistic HALO Radar-Lidar observations |
| 14:50 | 15:15 | Julien Delanoë: Observations with the RALI platform during the NAWDEX campaign |
| 15:15 | 15:30 | Discussion |
| 15:30 | 16:15 | Coffee |
| 16:15 | 18:10 | Session 2 - Process and predictability studies (chair: Hanin Binder) |
| 16:15 | 16:40 | John Methven: Diabatic Influence on the Dynamics of Block Onset |
| 16:40 | 17:05 | Claudio Sanchez: Linking predictability barriers and diabatic processes |
| 17:05 | 17:30 | Oscar Martinez-Alvarado: Diabatic modification of potential temperature and potential vorticity in weather forecasts of different lead times |
| 17:30 | 17:55 | Matthias Schindler: The impact of dropsonde and extra radiosonde observations during NAWDEX and SHOUT in autumn 2016 |
| 17:55 | 18:10 | Discussion |
| 18:10 | 20:00 | Ice breaker / buffet in the conference center |
| | 20:00 | Bus back downtown |
| Wed 27 March | | |
| 09:00 | 10:15 | Session 3 - IOP6 Stalactite Cyclone (Chair: Ben Harvey) |
| 09:00 | 09:25 | David Flack: Representation of the Stalactite Cyclone in LMDZ and ARPEGE-Climat |
| 09:25 | 09:50 | Jacob Maddison: Impact of operational and potential model upgrades on parameterised diabatic processes in extratropical cyclones and downstream block development |

| | | |
|--------------|--------------|---|
| 09:50 | 10:15 | Nicolas Blanchard: Diabatic processes of the Stalactite cyclone: Characterization and impacts as seen in a convection-permitting simulation |
| 10:15 | 11:00 | Coffee |
| 11:00 | 12:05 | Session 3 - IOP6 Stalactite Cyclone (Chair: Florian Pantillon) |
| 11:00 | 11:25 | Marie Mazoyer: Warm conveyor belts of the Stalactite Cyclone: a Lagrangian approach using a convective permitting model with sensitivity tests on microphysics parametrization. |
| 11:25 | 11:50 | Meryl Wimmer: Diabatic processes in the warm conveyor belt of the Stalactite Cyclone: sensitivity to the two convective parametrization schemes in Arpege. |
| 11:50 | 12:05 | Discussion |
| 12:05 | 13:30 | Lunch / Buffet |
| 13:30 | 14:05 | Session 4 - IOP 3 Vladiana (Chair: Matthias Rothlisberger) |
| 13:30 | 13:55 | Annika Oertel: Embedded convection in the WCB of "Vladiana". |
| 13:55 | 14:05 | Discussion |
| 14:05 | 15:30 | Session 5 - IOP4 Karl (Chair: Matthias Rothlisberger) |
| 14:05 | 14:30 | Marlene Baumgart: Contributions of ex-Karl to the evolution of forecast uncertainty in the ECMWF ensemble |
| 14:30 | 14:55 | Kevin Wolf: Comparison of measured and simulated broadband and spectral irradiances during IOP 'Karl' |
| 14:55 | 15:20 | Christian Euler: Lagrangian Description of Air Masses Associated with Latent Heat Release in Tropical Storm Karl (2016) during Extratropical Transition |
| 15:20 | 15:30 | Discussion |
| 15:30 | 16:15 | Coffee |
| 16:15 | 16:50 | Session 6 - IOP8 TPV (Chair: Marie Mazoyer) |
| 16:15 | 16:40 | Matthias Rothlisberger: First aircraft based observations of a North Atlantic tropopause polar vortex and its representation in the ECMWF analysis and ensemble forecasts |
| 16:40 | 16:50 | Discussion |
| 16:50 | 17:25 | Session 7 IOP10 Thor (Chair: Marie Mazoyer) |
| 16:50 | 17:15 | Daniel Steinfeld: The sensitivity of block "Thor" to changes in upstream latent heating in numerical experiments |
| 17:15 | 17:25 | Discussion |
| 17:25 | 18:00 | Session 8 IOP 9 Sanchez (Chair: Marie Mazoyer) |

| | | |
|-------------------|--------------|---|
| 17:25 | 17:50 | Hanin Binder: Cut-off Sanchez and its downstream impact over southern France – verification of probabilistic Météo-France forecasts |
| 17:50 | 18:00 | Discussion |
| | 20:00 | Dinner downtown Toulouse |
| | | |
| Thu 28 Mar | | |
| 09:00 | 10:15 | Session 9 - Model biases (Chair: David Flack) |
| 09:00 | 09:25 | Andreas Schafner: Observation of jet stream winds during NAWDEX and systematic meteorological analysis errors |
| 09:25 | 09:50 | Ben Harvey: Identification of low static stability layers from radiosonde profiles |
| 09:50 | 10:15 | Jake Bland: Model humidity biases during the NAWDEX campaign from radiosondes |
| 10:15 | 11:00 | Coffee |
| 11:00 | 11:40 | Session 9 - Model biases (Chair: Florian Ewald) |
| 11:00 | 11:25 | Gwendal Rivière: Systematic comparison between RALI observations and Arpege ensemble forecasts along the flights of the SAFIRE Falcon |
| 11:25 | 11:40 | Discussion |
| 11:40 | 13:00 | Session 10 - Final Discussion (Cases that have been forgotten, joint papers, summary of other ongoing studies but not presented here, next workshop) |
| | 13:00 | Buffet |