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| Severe Weather Forecasting Demonstration Project: SWFDP - Southern Africa  November 2016 Training Workshop  Regional Training Centre Pretoria, South Africa PROVISIONAL PROGRAMME for GDPFS(Week 1: 27 – 29 October 2016) | | |
| **Day 1: Thursday 27 October** | | |
| 0900-1230  (*Coffee break: 1030-1045)* | **OPENING** | EP |
| **PROGRESS OF SWFDP SOUTHERN AFRICA** | EP |
| **INTRODUCING THE RSMC PRETORIA WEB SITE** | ES |
| **NUMERICAL WEATHER PREDICTION AND ENSEMBLE PREDICTION SYSTEMS (EPS)** |  |
| Concepts of numerical weather prediction and EPS:   * Overview: Scientific and Operational aspects, boundary conditions, topography * Application in the UM in Southern Africa, introduction to upgrade to 4 km * Uncertainty – why do we need EPS? Deterministic vs probabilistic forecasting * Basics of EPS: scientific basis, operational production, clustering | TR |
| MOGREPS   * Concepts * New Products | CT |
| **1230-1400** | ***Lunch break*** |  |
|  | NCEP & ECMWF Products on their new websites   * EPS products * Deterministic Products | ES |
| Nowcasting   * Satellite products * Lightning Products | MG |
| **Day 2: Friday 28 October** | | |
| 0900-1230  (*Coffee break: 1030-1045)* | **UM4 – Effective use of the high resolution products** |  |
| Presentation:   * Concepts * UM12 vs UM4 | CT |
| **1230-1400** | ***Lunch break*** |  |
| 1400-1730  (*Coffee break: 1530-1545)* | **UM4 (Practical)** |  |
| Practical   * Case study * Application of products | CT |
| **Day 3: Saturday 29 October** | | |
|  | **PUTTING ALL TOGETHER – SYSTEMATIC FORECASTING & PRACTICAL** |  |
| 0900-1230  (*Coffee break: 1030-1045)* | Systematic approach using all products  Live weather forecasting practical in small groups:   * Group work: prepare a forecast for the day * Feedback to larger group | CT |
|  | Conclusion of Week 1, Completion of workshop questionnaire |  |
| **1230-1400** | ***Lunch break*** |  |
| Lecturers | Mr Chris Tubbs (CT), Mr Ezekiel Sebego (ES), Mr Teke Ramotubei (TR),  Mr Morné Gijben (MG), Dr Eugene Poolman (EP) | |