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|  Severe Weather Forecasting Demonstration Project: SWFDP - Southern AfricaNovember 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 productsLive 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) |