**Internship Plan: Next Generation of Climate Prediction from Subseasonal to Seasonal Forecast( phase 1)**

Model Evaluation, Skill Assessment of seasonal forecast systems(Weeks 1-10)

**Duration: 10 Weeks**

**Supervisor: Wafae Badi,**

Objective: Evaluate models, determine the best-performing ones, and draft the report

**Week 1-3: Bibliography on Evaluation Metrics**

**Conduct a bibliographic review on evaluation metrics for probabilistic and deterministic models.**

**Week 4-7:** Data Collection and Score Calculation

1.Download climate model data (ECMWF, UK Met Office, etc.).

2.Calculate determinitic and probabilistic scores(e.g. RMSE, ACC, brier score, roc, ..).

3.Identify the most skillful models based on their performance.

**Week 8-10:** Comprehensive result analysis Report drafting

Dedicate time to analyze key finding ,writing and finalizing the report

**Note:**

The writing process should be also carried out in parallel with the work throughout the internship.