

Climate prediction

Busan, 4 November 2008

Nguyen Ngoc Bich Phuong

Vietnam Institute of Meteorology, Hydrology and Environment

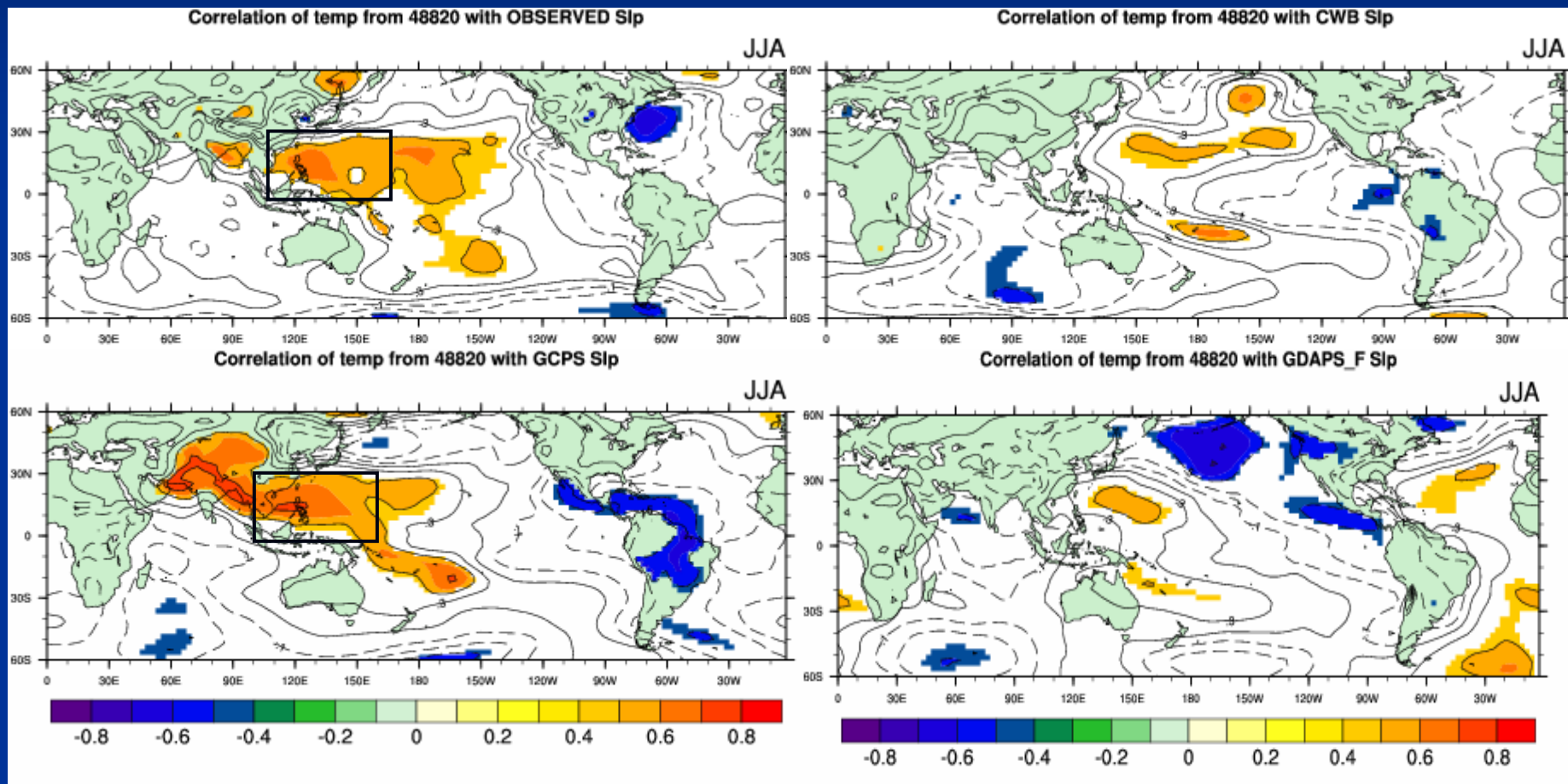
Contents

- **How to predict climate by statistical downscaling ?**
 - Find the best correlation to choose predictors and models
 - Predict predictands with the predictors and the models selected
 - Check results

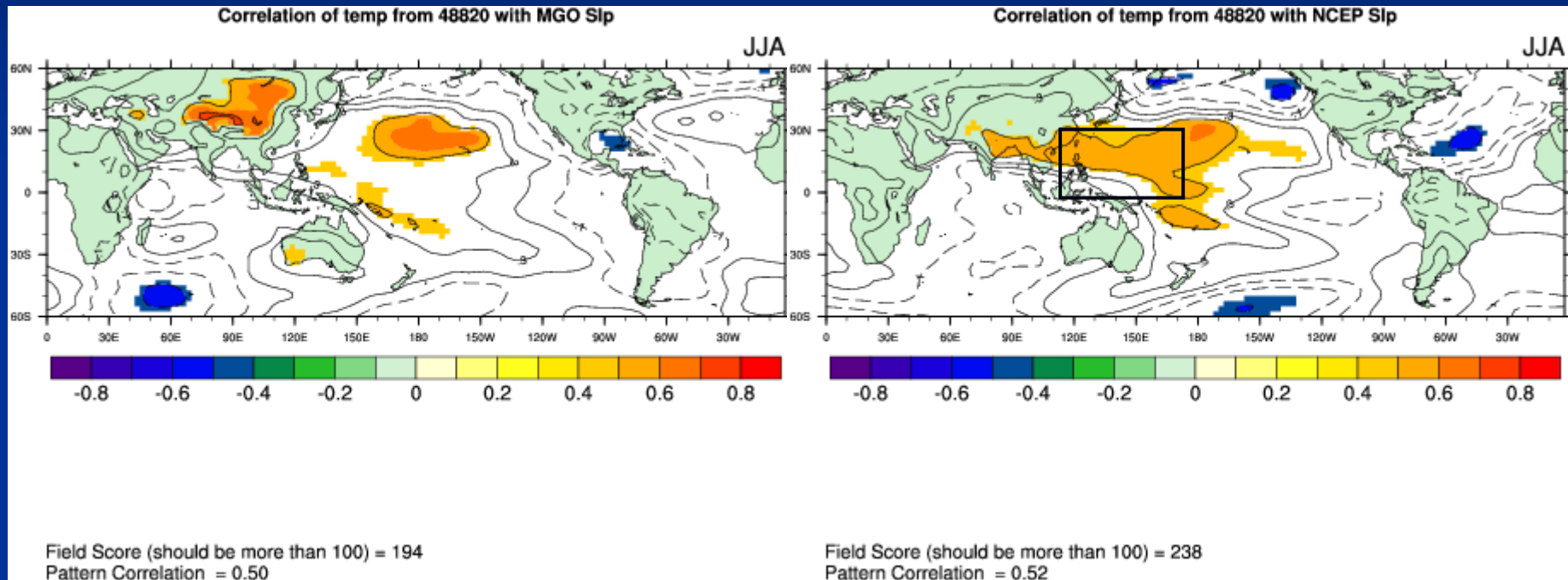
How to predict climate by statistical downscaling ?

- Find the best correlation to choose predictors and models
- There are two way to find the best correlation
 1. Group correlation map: 1 station, 1 predictor and variety of models and choose the best correlation and have stable in models
 2. See the map and choose station, models and predictor

- 1. Group correlation map: 1 station, 1 predictor and variety of models and choose the best correlation and have stable in models

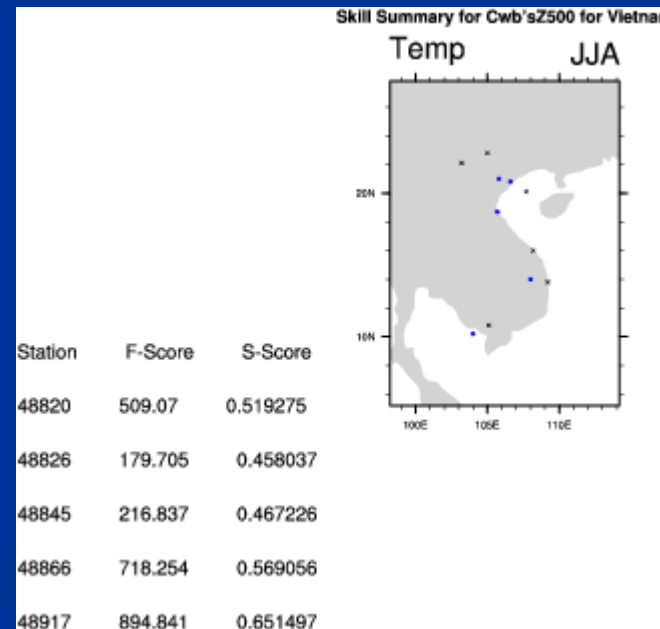
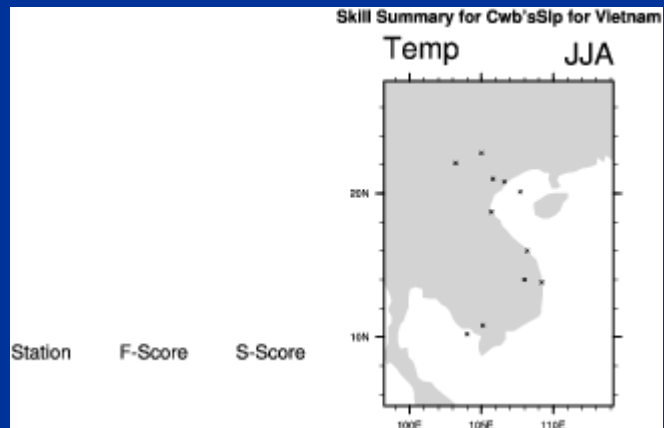
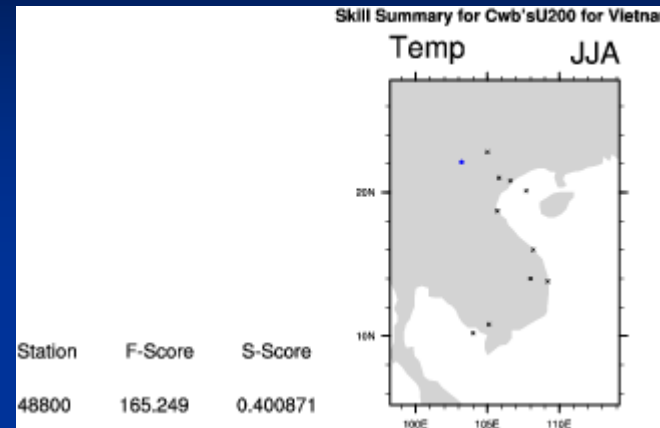
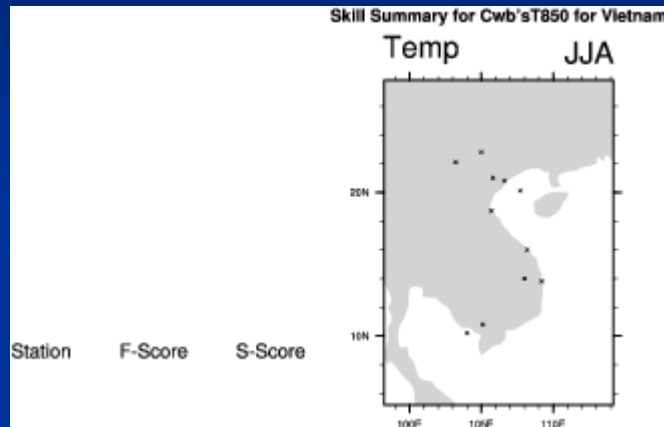


For instance in case 1

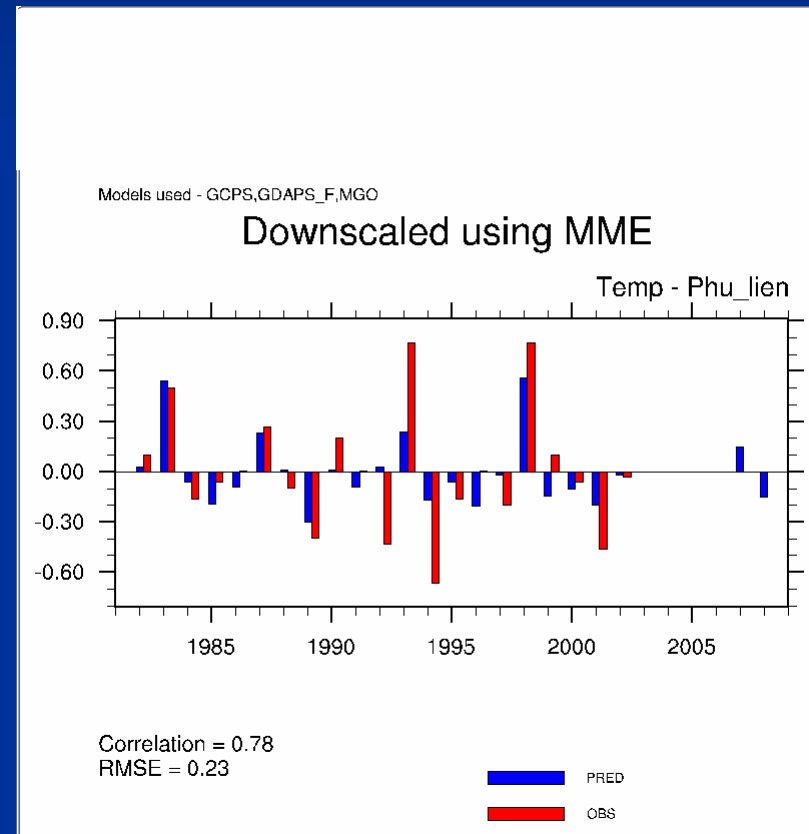
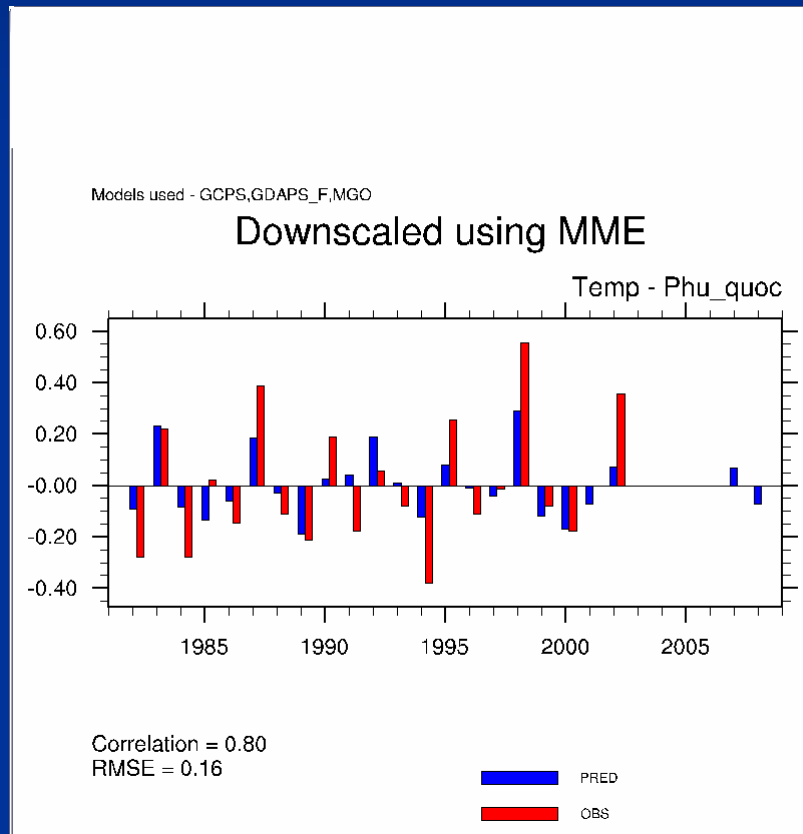


Station 48820 (hanoi) have good correlation of temperature with predictor “sea level presure” in GCPS and NCEP

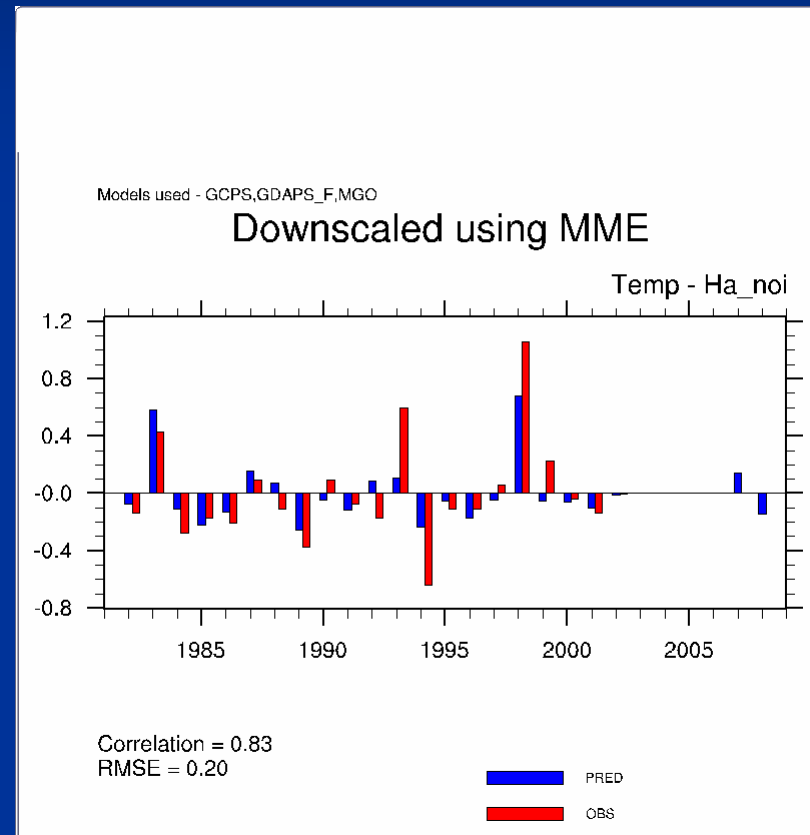
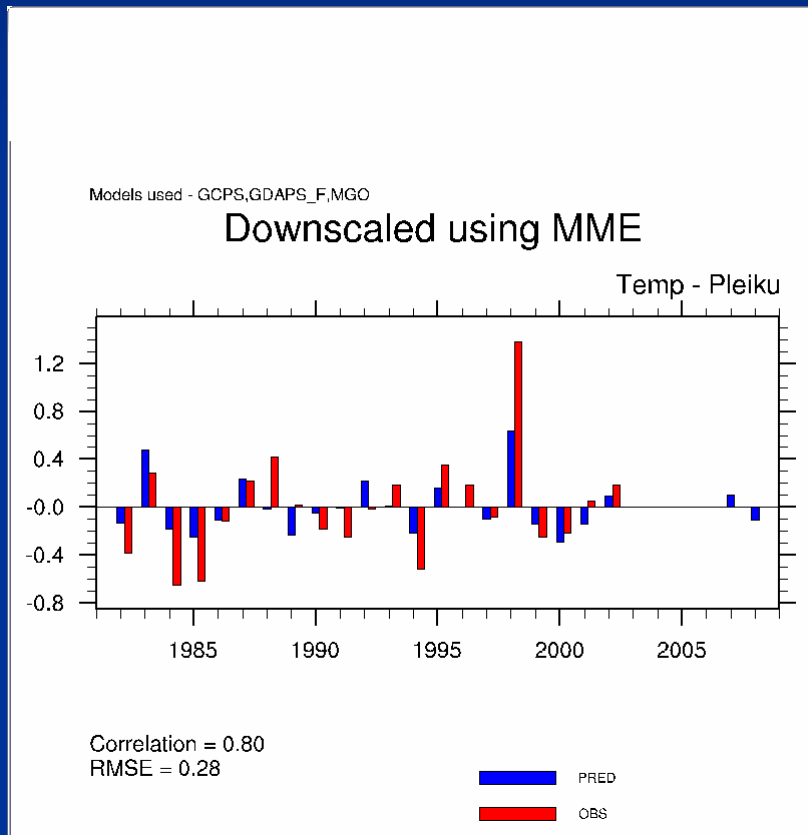
For instance in case 2



Predict predictands with the predictors and the models selected



Predict predictands with the predictors and the models selected



Thank you