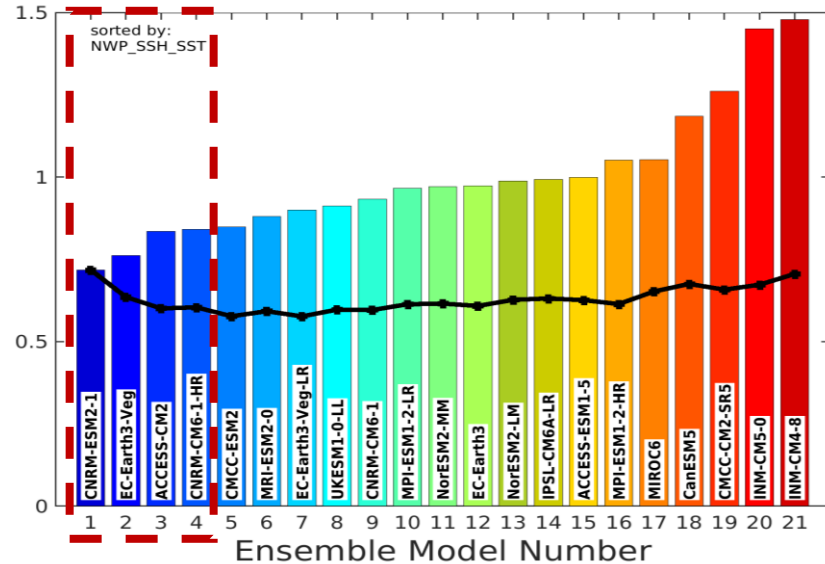


Performance on simulation of SSH, SST



Selected GCMs :

- CNRM-ESM-1 (GCM-CNE)
- EC-Earth-Veg (GCM-ECV)
- ACCESS-CM2 (GCM-ACC)
- CNRM-CM6-1-HR (GCM-CNH)

※ Num of evaluation target models : 21

Experiment	Num of Models	SSH	Boundary variables
historical	60	30	27
ssp126	43	24	23
ssp245	43	24	23
ssp370	39	24	23
ssp585	45	25	24

- Evaluation Period : 1993~2014

SSH_{exact} = Satellite ADT by CMEMS

SSH_{model} = model RSL

SST_{exact} = WOD analysis by NOAA

SST_{model} = model SST

$$PI = \frac{1}{6} \left(\frac{X_{SSH}}{\bar{X}_{SSH}} + \frac{E_{SSH}}{\bar{E}_{SSH}} + \frac{M_{SSH}}{\bar{M}_{SSH}} + \frac{X_{SST}}{\bar{X}_{SST}} + \frac{E_{SST}}{\bar{E}_{SST}} + \frac{M_{SST}}{\bar{M}_{SST}} \right)$$

E_* : Absolute * Trend error averaged over whole domain
(Performance of Long-term trend)

X_* : Yearly RMSE * Averaged over whole domain
(Performance of Interannual variation)

M_* : Spatial RMSE * Averaged over whole period along lateral boundary
(Performance of open boundary spatial variation)