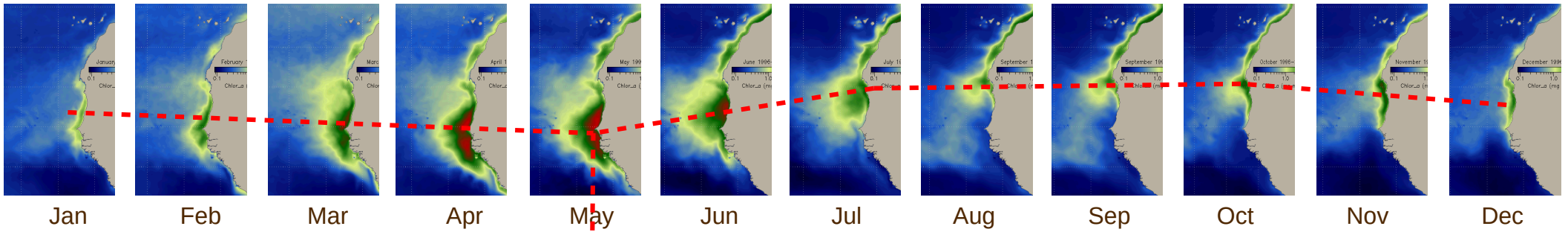
How upwelling-productivity is constraining pelagic fish stocks and fisheries ?
ICON-HAMOCC versus Observations

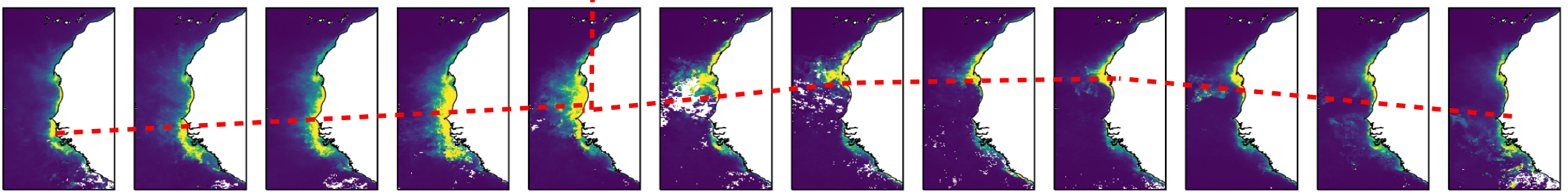
ICON-HAMOCC 10x10km 1996 - 2012 (72 layers)

Chlorophyll-a monthly climatology (**1996-2012**)



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Satellite Observations

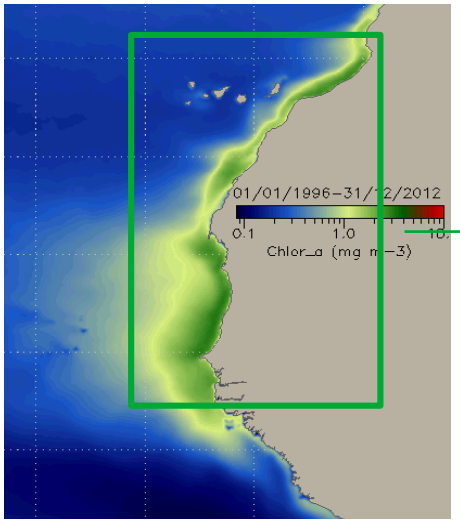


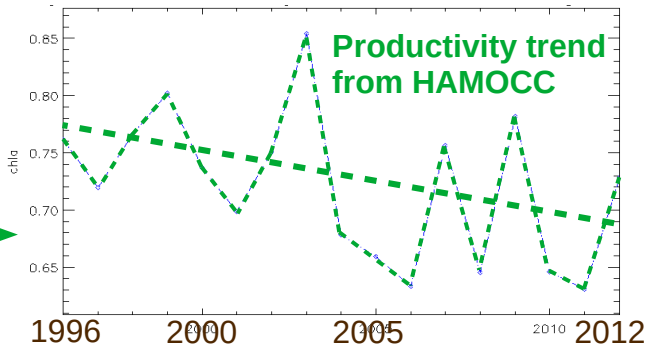
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

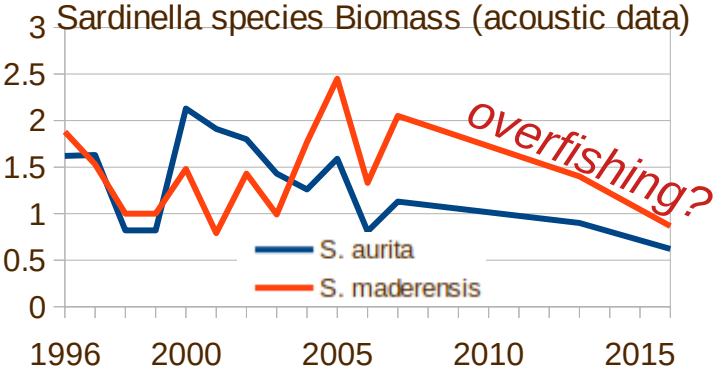
- The "Phytoplankton / NPP" **seasonal cycle is well represented in HAMOCC**, with some discrepancies
- *Wind forcing (ERA-51) is probably responsible in a spatio-temporal lag in Coastal Upwelling seasonality*

How upwelling productivity is constraining pelagic fish stocks and fisheries in West Africa ?

ICON-HAMOCC 10x10km 1996 - 2012



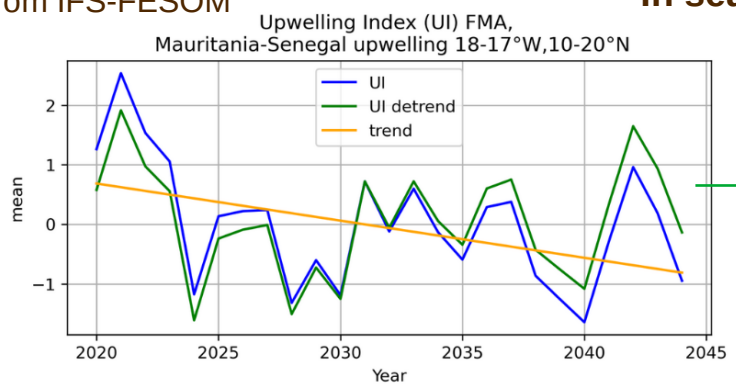


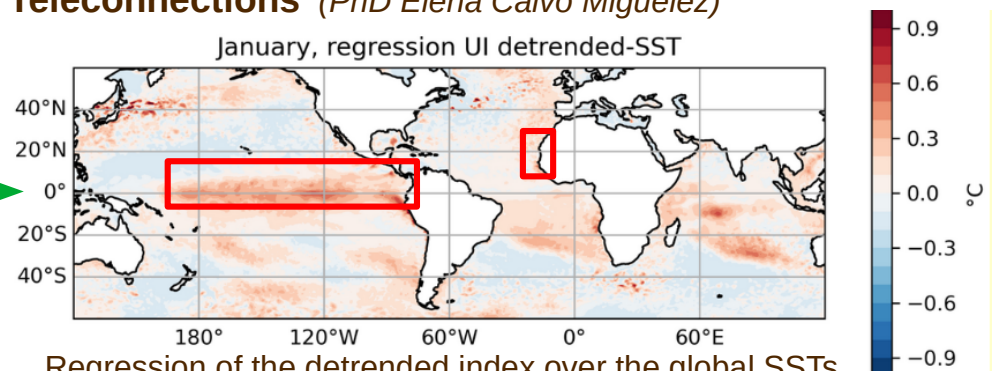


Regional **NPP trends are partly in accordance with observations**, making HAMOOC useful for prospective in fisheries

From IFS-FESOM

In search of Teleconnections *(PhD Elena Calvo Miguélez)*





Regression of the detrended index over the global SSTs