Working group for Asian-Australian monsoon (WG-AAM)

The short-term goals of the WG-AAM are (but not limited to):

1. Building a collection of process-based diagnostics for AAM

2. Stronger engagement in focused research on the winter monsoon over South and SE Asia

3. Assessing predictive skills in current forecast models (sub-seasonal to seasonal [S2S])

4. Direct engagement with stakeholders in the monsoon region

5. Dynamical linkages among regional monsoons (should we include this?)

WG will make efforts to coordinate in assembling a "Tool Kit" that contains a suite of diagnostics.

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Assessing predictive skills in current forecast models (sub-seasonal to seasonal [S2S])

- We understand the need for guidance of skill measures for seasonal forecasts
- S2S project is good opportunity: http://s2sprediction.net/xwiki/bin/view/Main/Monsoon
- We are taking guidance from the analysis made in Marshall & Hendon (2016): Marshall, A. G., and H. H. Hendon (2015), Subseasonal prediction of Australian summer monsoon anomalies, Geophys. Res. Lett., 42, 10,913–10,919, doi:10.1002/2015GL067086.
- This paper demonstrates methods that could be applied to the S2S archive. The S2S monsoon group is interested in developing this further and is planning to contribute along similar lines; some initial assessments are underway.
- Promote analysis for other regions/models to support the S2S project as well as the connection to regional centers disseminating sub-seasonal to seasonal predictions.

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Importance of End user/Stakeholder engagement:

- Need a clear understanding of how nations in the region collect and disseminate information

- Stakeholder advisory group

- What can we contribute?

Working group for Asian-Australian monsoon (WG-AAM)

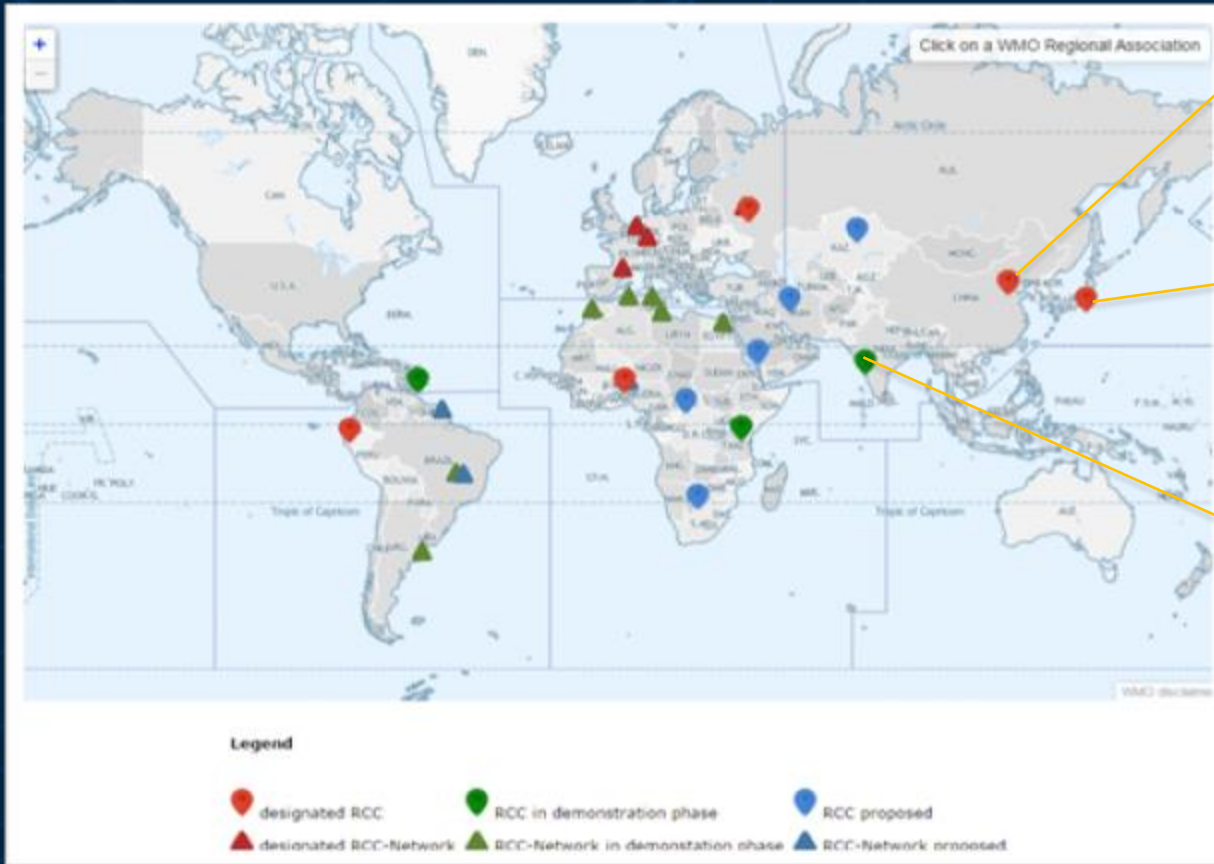## Link up with current ongoing activities: for example

Engage with the

WMO Regional Climate Centres (RCCs) and

Regional Climate Forums (RCFs)

Working group for Asian-Australian monsoon (WG-AAM)

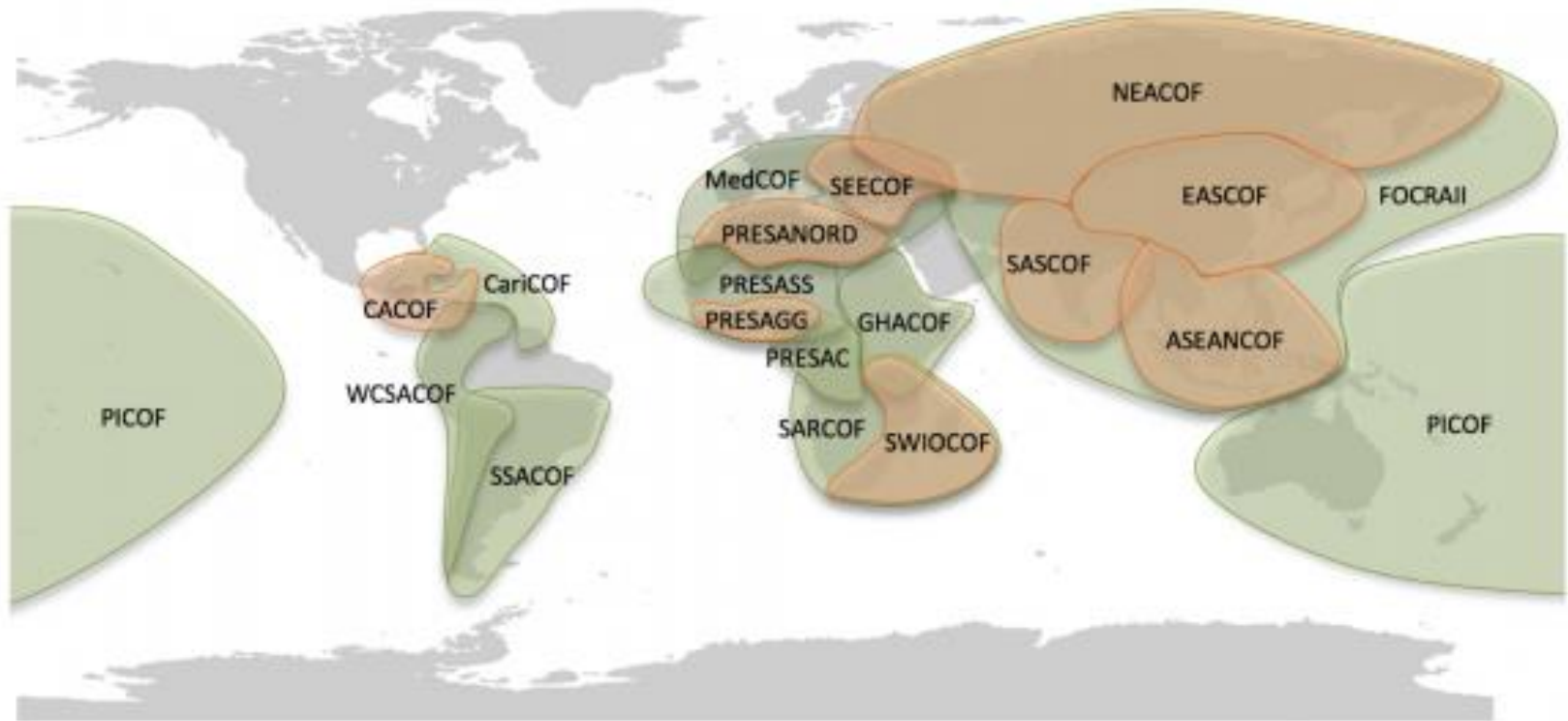## WMO Regional Climate Centres (RCCs)

RCC Beijing: BCC

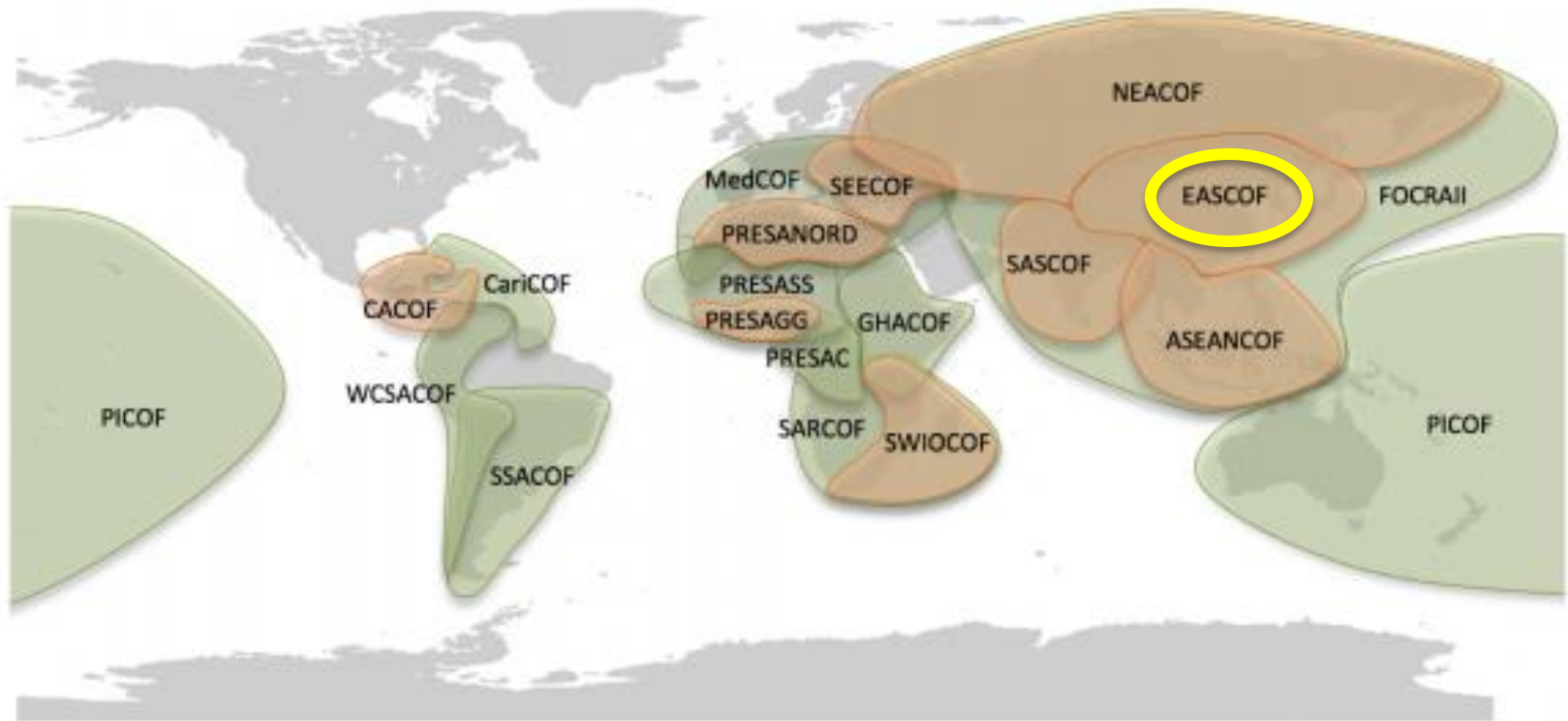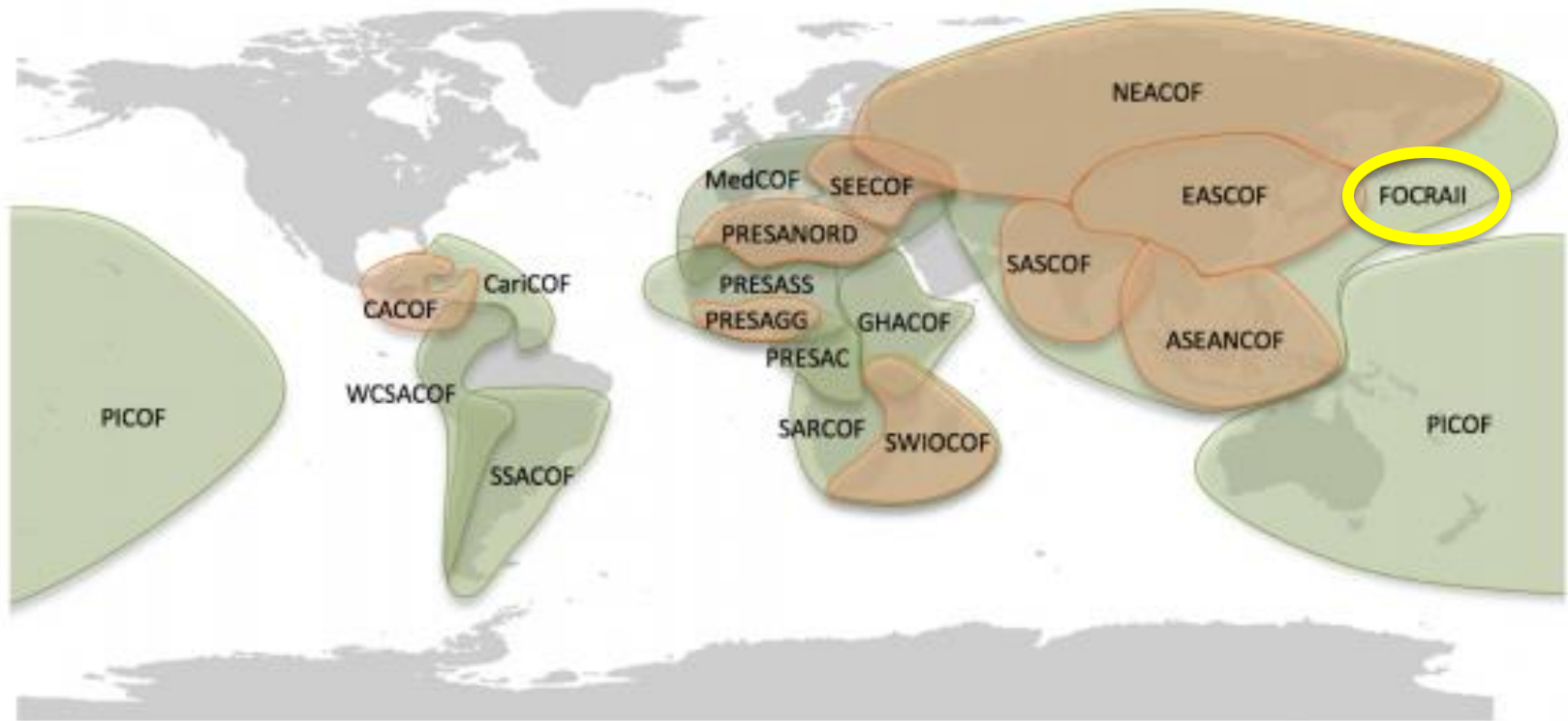**RCC Tokyo**: TCC

RCC Pune: IMD b

Working group for Asian-Australian monsoon (WG-AAM)

Regional Climate Outlook Forums (RCOFs)

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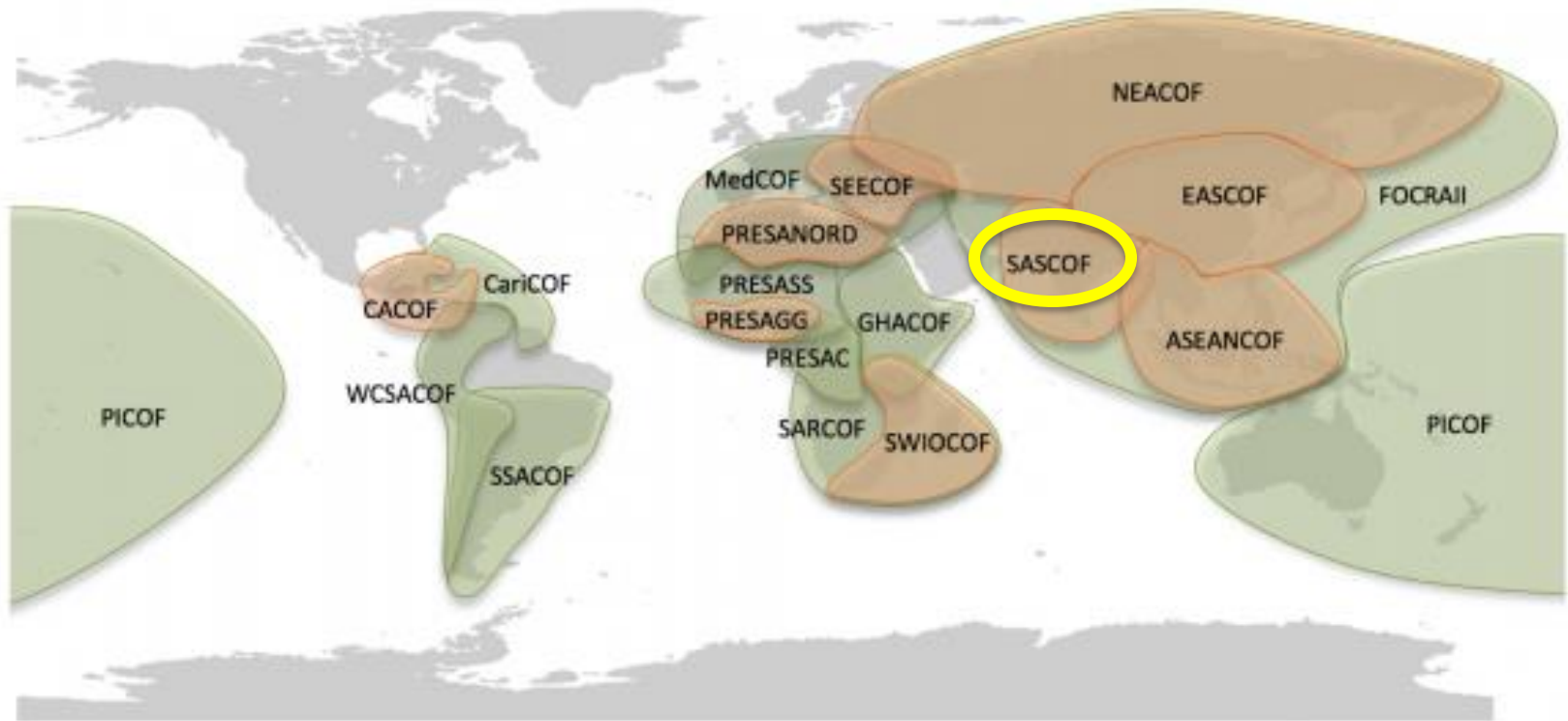# Working group for Asian-Australian monsoon (WG-AAM)

Regional Climate Outlook Forums (RCOFs)

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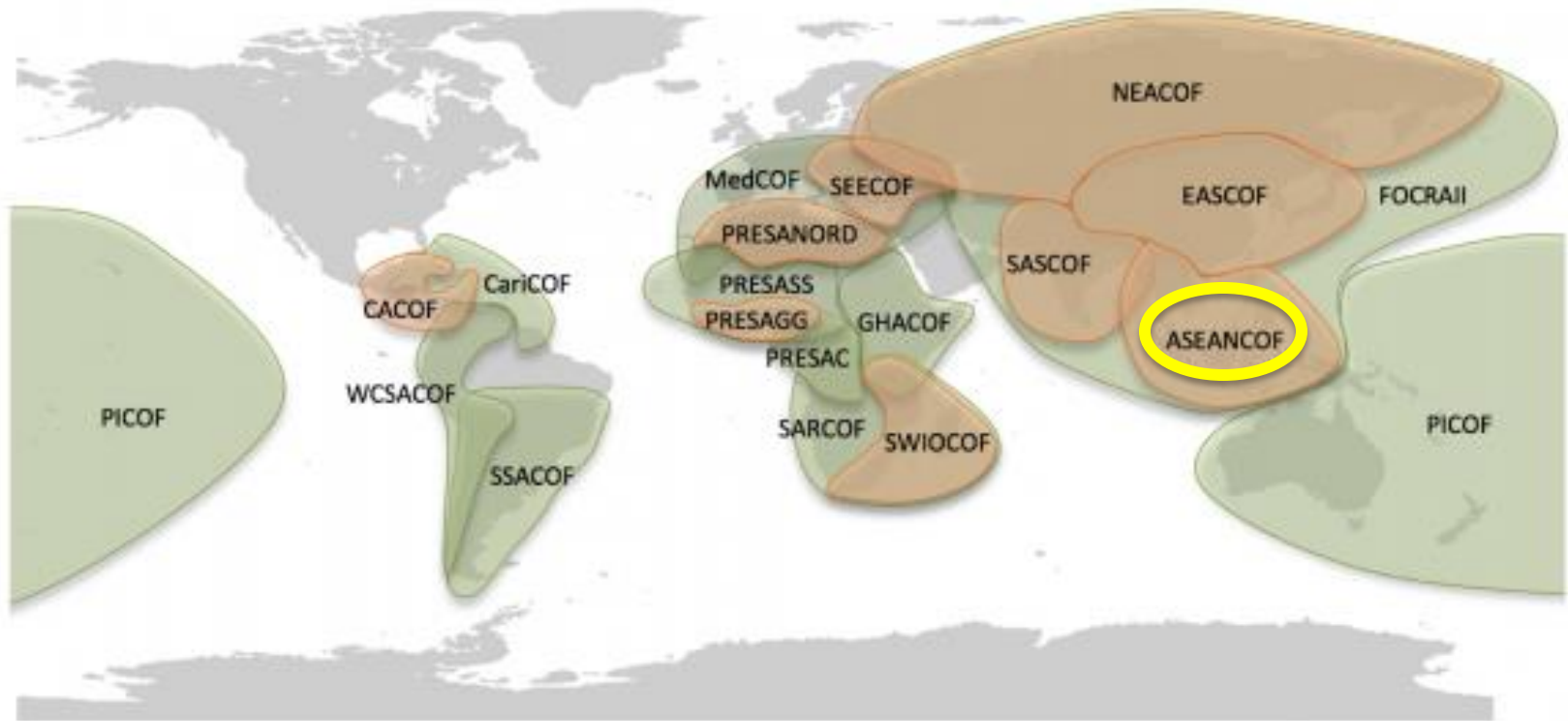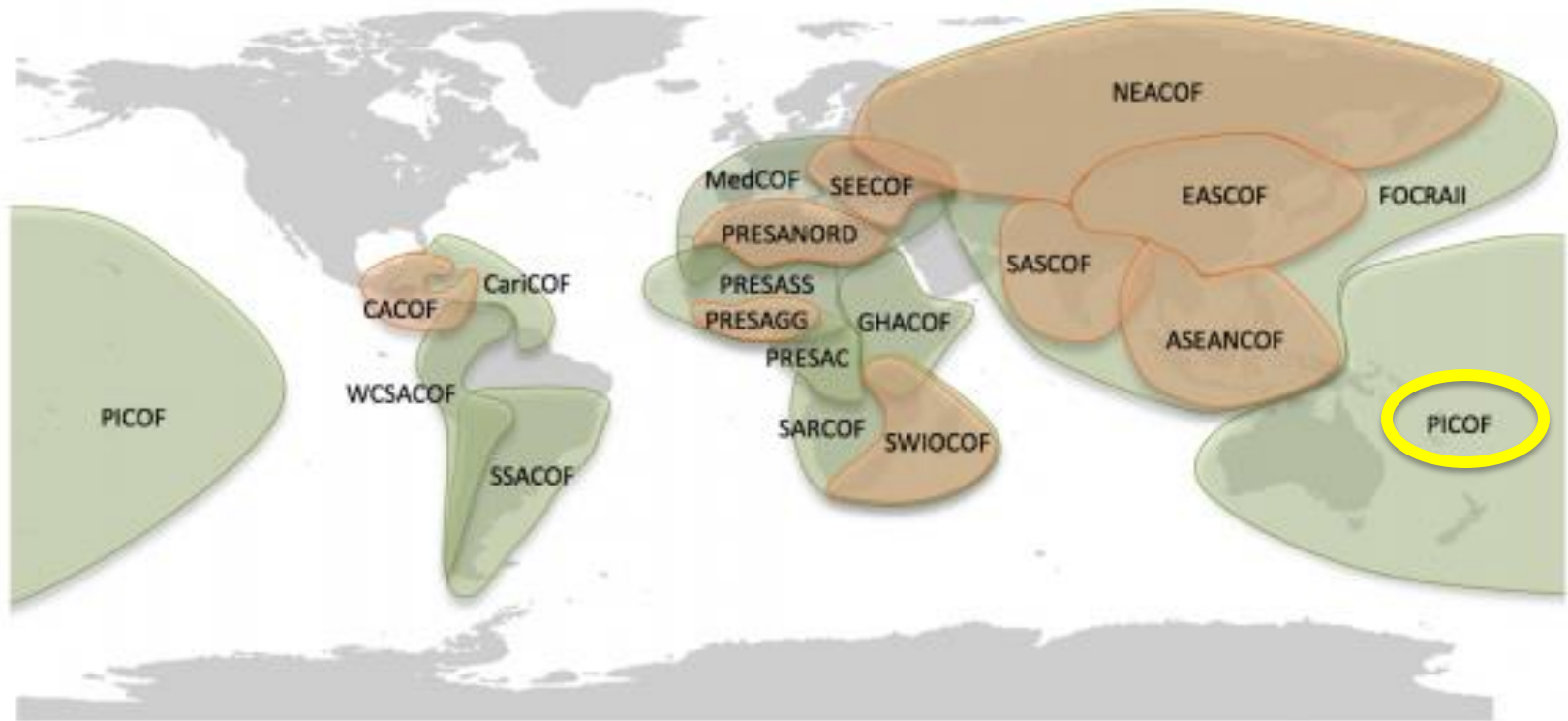
Working group for Asian-Australian monsoon (WG-AAM)

Regional Climate Outlook Forums (RCOFs)

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- We would like to engage with these groups and ideally attend one of their scheduled meetings

- Trust building exercise

- Role is to facilitate enhanced quality where necessary and possible

- Possible vehicle: a functioning web interface that links all the different activities with what we can contribute

➤ In order to build this platform, we need either access to sections of the CLIVAR page or build something separate.

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Dynamical linkages among regional monsoons (should we include this?)

➢ understand the relationships and interactions between the regional monsoon systems on inter-annual and intra-seasonal timescales, their local and remote drivers, and how they might change in future.

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AAMWG involvement:

ICTP-IITM-COLA Targeted Training Activity (TTA): Towards improved monsoon simulations, June 13-17 2016, Trieste, Italy

- Anna and Surya: involved in organizing the meeting
- Anna, Surya, Partha, Aurel, Yi Ming - attended the meeting along with Paul Dirmeyer

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AAMWG involvement:
WCRP JNU Training School on "Monsoon variability in Changing Climate", January 16-21 2017, Jeju National University, Jeju, Republic of Korea

- Anna, Andy and myself in contact with the organiser (Boram Lee) to help with training content
- Suggested presenters/speakers
- Suggested to have more weight on operational focus
- Suggested speaker for S2S overview

Working group for Asian-Australian monsoon (WG-AAM)

Thank you

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