



**CENTRO DE INVESTIGACIONES DEL
MAR Y LA ATMÓSFERA**

(Center for Atmospheric and Oceanic Research)

Buenos Aires - Argentina

CIMA

Modeling

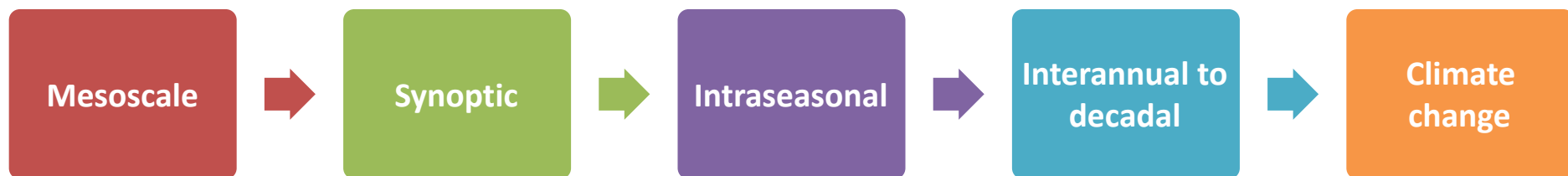
Impact studies

Applications

Process studies

- Most of our research is focused on Southern South America and the South Pacific and Atlantic regions.

- Research groups cover a wide variety of scales:



- Huge efforts now on how to communicate efficiently climate/weather risk and uncertainty within South America, and also on interactions with stakeholders (wind energy, agriculture, fishery).

Modeling activities

1) Main topics of research:

- Estimate the effect of sea ice variability on jet stream location and rainfall variability over South America.

GCM involved: CCSM4 (atmos-only and coupled runs planned).

2) Main topics of research:

- Identify how interdecadal variability modulates the effects of ENSO on South American climate.

GCM involved: SPEEDY (coupled and un-coupled), in collaboration with ICTP.