



Climate research gaps and opportunities to support risk management and adaptation in Latin American countries

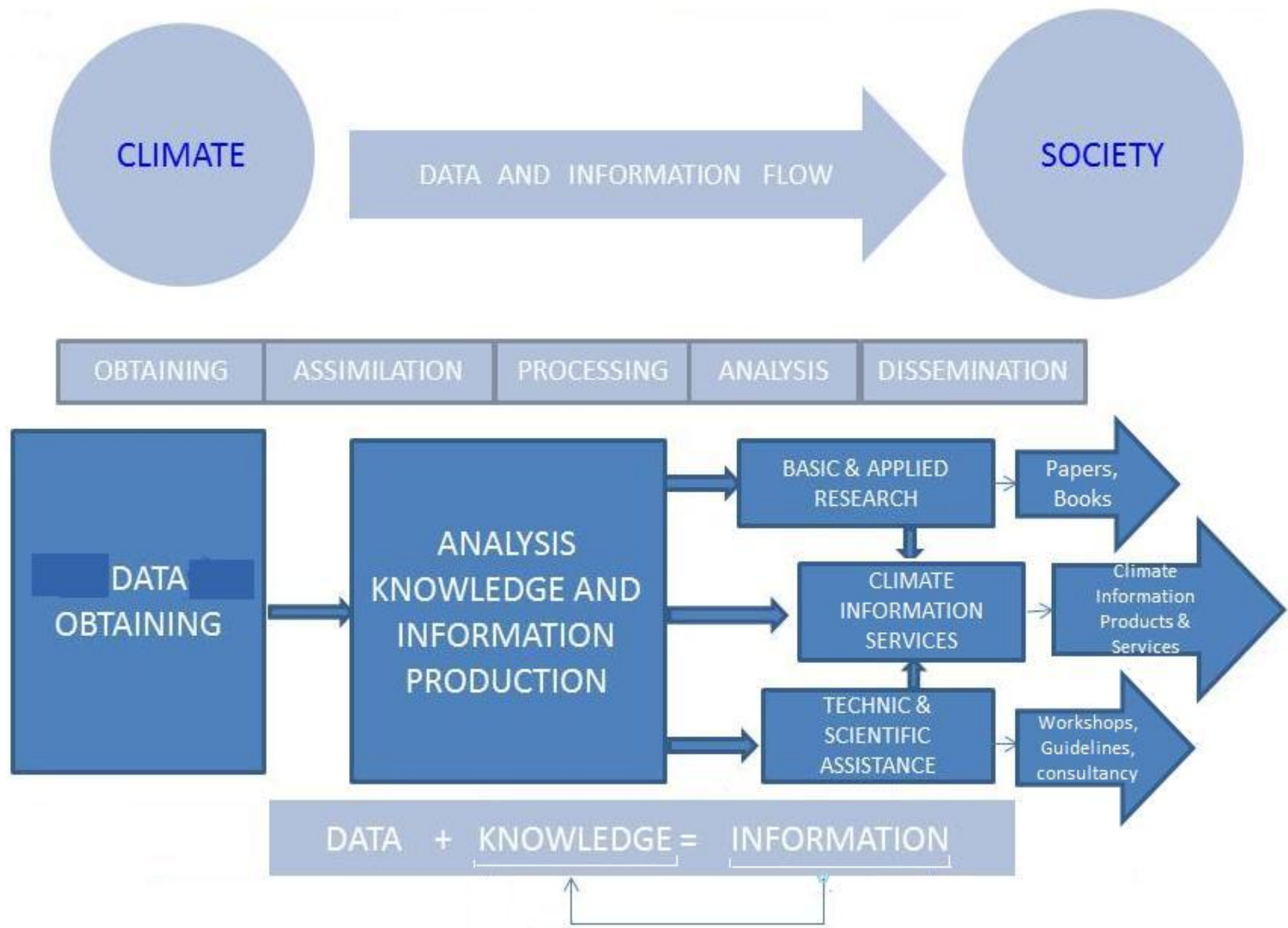
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CIIFEN

www.ciifen.org

Our mission..

The International Research Center on El Niño (CIIFEN) has the mission to implement actions to consolidate the science-policy interface, providing climate services for risk management and adaptation; CIIFEN was also officially designated by the World Meteorological Organization (WMO) as a Regional Climate Center for west of South America



Climate research priorities in Latin America

Improving the **quality of databases**, their availability and visualization.

High resolution modeling for climate prediction

Improvement of understanding of the **climate system dynamics associated with ENSO**

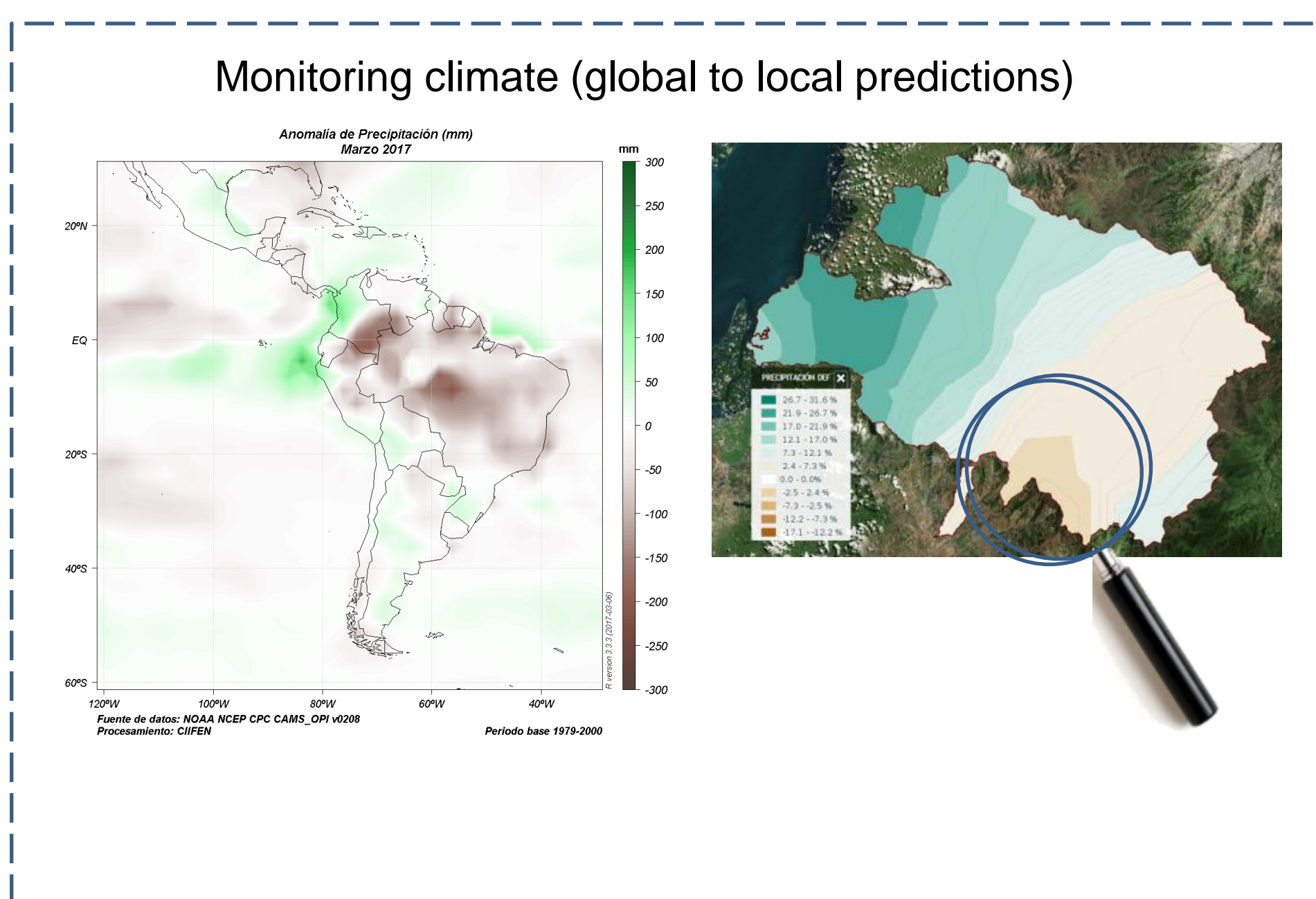
ENSO, decadal, centennial cycles and climate change

ENSO impacts, vulnerability and associated risks

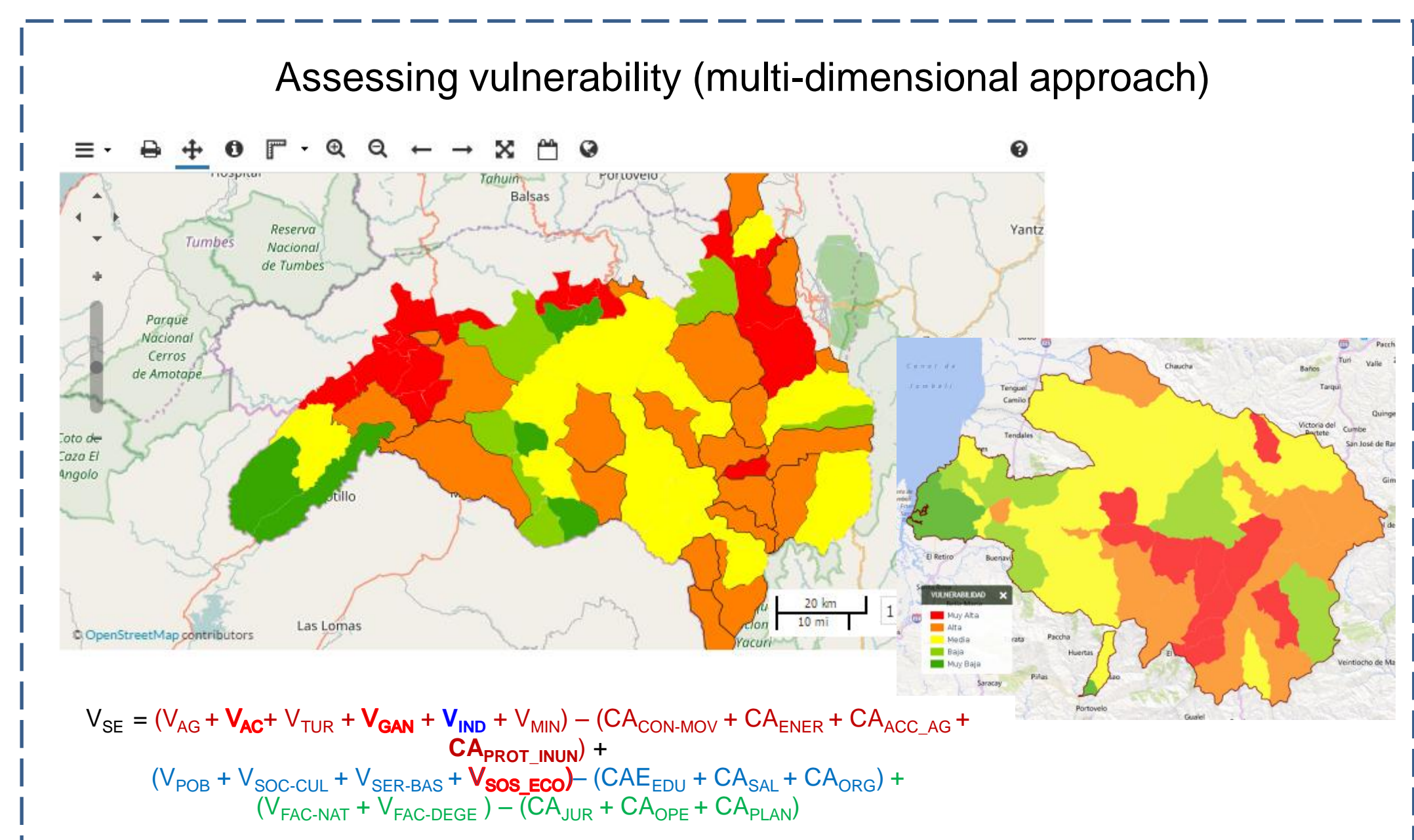
Although climate change models still have uncertainties, they provide a good idea of how climate could change depending on how society develops

<http://geoportal.ciifen.org/es/>

From climate knowledge to actions



<http://cordilleracostera.org>



Lessons learned in climate risk management: El Niño 15-16 case

- Promote the maximum use of qualified sources of information from the global climate monitoring system (WMO) that includes Global Production Centers, Regional Centers and NMHSs in each country.
- Establish at regional level a protocol within the United Nations system for communication and coordination related to El Niño / La Niña based on the above sources.
- Strengthen the routine functioning of national forums or climate tables that include sector representatives and risk management.
- Strengthen the capacities of NMHSs in terms of climate analysis, seasonal prediction, use of global and regional sources of information as well as the management of communication strategies towards their authorities.
- Strengthen capacity in the Regional Climate Centers for the implementation of vulnerability and impact information systems..

- Harmonize RM and CC agendas. Present climate risk management is the first step towards feasible adaptation.
- Maximize the presence of regional government agencies (eg UNASUR or SICA) to ensure coordination between countries, mutual assistance and optimal use of information resources.
- Strengthen the management of information from regional and local institutional platforms to increase climate resilience in a line of continuous preparation against adverse climatic events and maximize the opportunities and benefits of positive climate effects.
- Implement in each country, networks of voluntary climate spokespeople to cover the last mile.
- To promote at the level of international organizations and humanitarian aid, coordination and cooperation on climate issues with an emphasis on drought.

<http://crc-osa.ciifen.org/>

Climate information, although with limitations (uncertainty, coverage, technology) can make a big difference in the response of users if it is properly communicated.

✓ Contact CIIFEN

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building climate resilience.. for sustainable development