

**Example of best practices and available tools
for the use of indigenous and traditional knowledge and practices for adaptation¹**

Inputs provided by:

Indigenous Peoples of Africa Coordinating Committee (IPACC) in cooperation with Association des Femmes Pastorales Autochtones du Tchad (AFPAT), Technical Centre for Agricultural and Rural Cooperation (CTA) and UNESCO Local and Indigenous Knowledge Systems division.

Title of practice/tool

1. *National adaptation platform of indigenous peoples, adaptation policy makers and national meteorological authorities;*
2. *Application of Participatory 3 Dimensional Modelling to create scaled models for dialogue between farmers and nomadic indigenous peoples on climate change, adaptation and resolution of tensions over natural resource uses.*

Description of practice/tool

1. *National adaptation platform and indigenous peoples:*
IPACC, in cooperation with its national host, UN agencies, technical partners and the Republic of Chad hosted a three day seminar on synergising knowledge systems of indigenous peoples, meteorologists for adaptation policy making. The workshop generated a Declaration which was also presented as a film and text at COP18 in Durban:
http://ipacc.org.za/uploads/docs/N%E2%80%99Djamena_Declaration_eng.pdf
The main emphasis was that indigenous peoples and other rural communities in Africa have knowledge about biodiversity, ecosystems and changes in climatic patterns, impacts and vulnerability. Effective national adaptation platforms allow rural communities to interact with national and regional climate scientists about the types of information required for decision-making. Nomadic pastoralist systems of land and water use are not always understood by meteorologists and they tend not to be included in information sharing. By creating an inclusive platform where there is the opportunity to put different types of knowledge together, clarify needs and decision-making at different scales, the national ministry responsible for adaptation policy and practices can be better informed and assist with improved meteorological service provision. The approach highlights the need to include conflict prevention as part of an overall national strategy on climate adaptation. Further, science and traditional or local knowledge can have complementary interactions and lead to decisions that are anchored in social, cultural, economic, ecosystems and scientific realities.
2. *Participatory 3 Dimensional Modelling*
P3DM is one geo-spatial information technology that assists indigenous peoples and other rural

¹ Please use this template for providing inputs related with one example. If you have more than one example, please provide them in separate files using this template.

communities to represent their knowledge of their local landscape / ecosystem, including traditional land use system, governance and relevant patterns of natural resources, both wild and domesticated. The participatory approach means that those who know the local natural / cultural system are the ones representing the landscape to those who are duty-bearers in evolving policies and practices.

P3DM in an adaptation and climate change context allows communities to speak to each other and look for ways to solve tensions, predict and avoid conflicts, and to improve disaster risk reduction.

Mapping in Baibokoum, Logone Orientale, Republic of Chad produced favourable results to reduce stresses between sedentary farmers and transhumant herders competing for the same water and biodiversity resources. State officials found the exercise helpful in being able to visualise conflicts in resource uses and needs, and building a platform for cooperative solution making.

Documentation is here: http://ipacc.org.za/uploads/docs/ChadReport_Nov2012.pdf

Film material is also available, as shown at the IPACC side event at COP19 in Doha.

Region

Please select a region/regions where the practice/tool took place/developed or applied from the ones below, as applicable:

- *Africa and the Arab States*

The tools were developed in Chad, with participation of indigenous pastoralist peoples from West Africa, East Africa and Southern Africa.

Country

The tools were applied in Chad and UNESCO continues to support AFPAT in the follow up on the interface between climate science and traditional knowledge systems of indigenous peoples.

These particular tools could be used more widely, with an immediate applicability to African arid and sub-humid territories.

Sector

- *Food security, agriculture and fisheries: notably in the sub-sector of pastoralism and food security*
- *Forestry – forest conservation and mapping can also benefit from these tools, see <http://ipacc.org.za/uploads/docs/GabonReport2011.pdf>*
- *Human health: Both sets of tools allow for experiences of health and climate related health risks to be identified and discussed through participatory methodologies;*
- *Marine and coastal ecosystems: The tools were not used in a marine / coastal context but P3DM is being used by CTA partners in the Pacific and Caribbean regions;*
- *Mountains: P3DM is particularly appropriate for mountainous territories;*
- *Water resources: the emphasis was on access and competition for water resources, both for humans and livestock.*

Name of implementing institution/s

The project was designed by IPACC in cooperation with:

- *Association des Femmes Pastoralistes Autochtones du Tchad (AFPAT), N'Djamena Chad;*
- *Technical Centre for Agricultural and Rural Cooperation (CTA);*
- *UNESCO Local and Indigenous Knowledge Systems division;*
- *African Centre of Meteorological Applications in Development (ACMAD);*
- *World Meteorological Organisation;*
- *Jade Film Productions, Ouagadougou, Burkina Faso*

Further information

In English:

National adaptation platform dialogue on traditional and scientific knowledge systems:

http://ipacc.org.za/uploads/docs/N%E2%80%99Djamena_Declaration_eng.pdf

P3DM in southern Chad, narrative report: : http://ipacc.org.za/uploads/docs/ChadReport_Nov2012.pdf

Film of the national adaptation platform: http://ipacc.org.za/eng/resources_videos.asp Select: Climate Governance

En français

Plate-forme nationale sur l'adaptation et les saviors traditionaux et scientifiques:

http://ipacc.org.za/uploads/docs/N%E2%80%99Djamena_Declaration_fre.pdf

Film material of both events in English and French are available on CD on request from IPACC.

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