



Interpret climate data

Introduction to case work



On behalf of
Federal Ministry
for Economic Cooperation
and Development





Imprint

As a federally owned enterprise, GIZ supports the German Government in achieving its objectives in the field of international cooperation for sustainable development.

Published by

Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ) GmbH

Dag-Hammarskjöld-Weg 1-5
65760 Eschborn, Germany

T +49 61 96 79-0

F +49 61 96 79-1115

Contact

E climate@giz.de

I www.giz.de

GIZ Climate Protection Programme



On behalf of

Federal Ministry
for Economic Cooperation
and Development

Responsible

Ilona Porsché, GIZ; Michael Scholze, GIZ

Authors

Jennifer Frankel-Reed, Barbara Fröde-Thierfelder, Ilona Porsché

Contributions by

Alfred Eberhardt, Mark Svendsen, Lea Herberg, Martin Baumgart, Udo Höggel, Michael Scholze, Alexander Fröde, Nana Künkel, members of the OECD Task Team on Climate Change and Development Co-operation

Coordination

Ilona Porsché, Barbara Fröde-Thierfelder

Photo credits

© GIZ/Climate Protection Programme and Claudia Altmann, Dirk Ostermeier, Florian Kopp, Georg Buchholz, Ira Olaleye, Jörg Böhling, Manuel Hauptmann, Markus Kirchgessner, Michael Gajo, Michael Netzhammer, Nicole Herzog, Peter Korneffel, Richard Lord, Robert Heine, Rüdiger Behrens, Ulrich Scholz, Ursula Meissner, Uwe Rau

Design

Ira Olaleye

Articles written by named authors do not necessarily reflect the views of the editors.



Rationale

Objective

- Understand climate change risks for the country using various data sources.

Importance

- Allows plans to be based on the best information available. Without climate change information, development is not adaptation to climate change.

Application

- All policy cycle stages and all scales require climate information. A different resolution of climate change information is useful at different steps.





Exercise (1)

Context

- Revision of the Zanadu National Development Plan (NDP)
- Government of Zanadu: NDP should reflect climate change adaptation priorities → make it climate-resilient
- Government has established a climate change advisory group → your working group
- Need to examine climate change implications on the national development scale. Specific need to look for challenges potentially threatening development goals in water and agriculture.

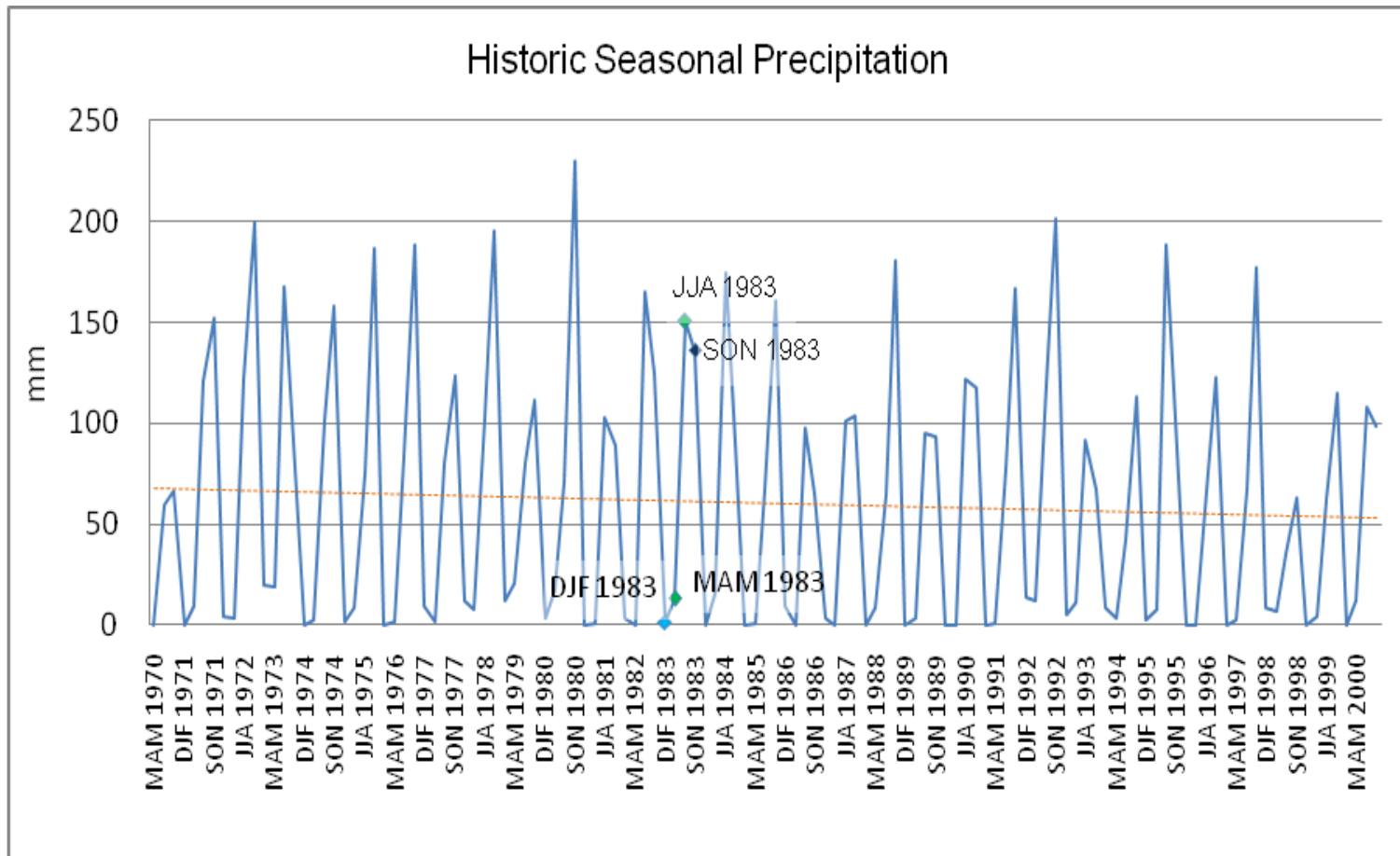
Exhibits

- Historic rainfall data
- Downscaled, mapped model projections
- Regional temperature projections



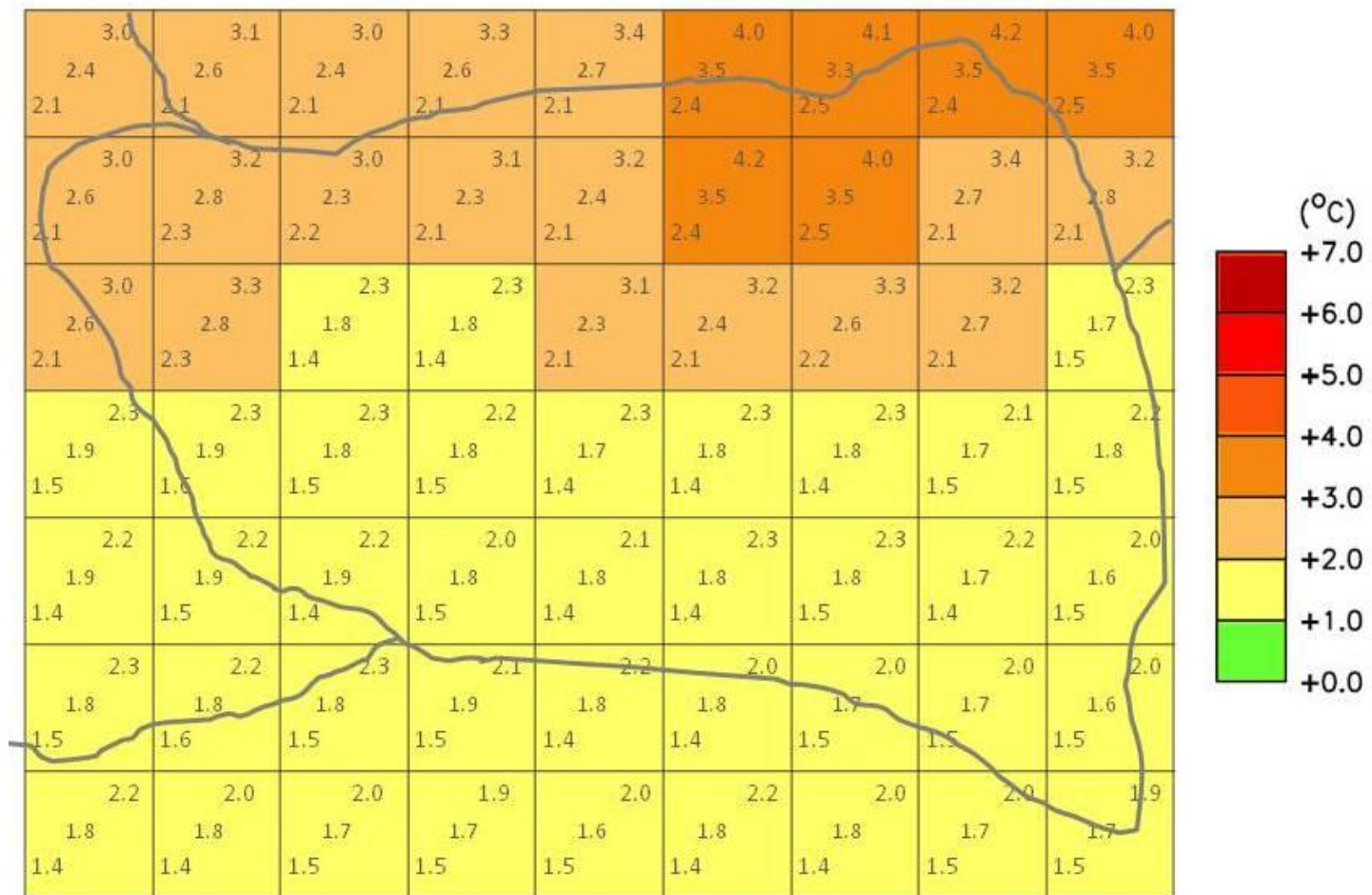


Historic data (Maja)



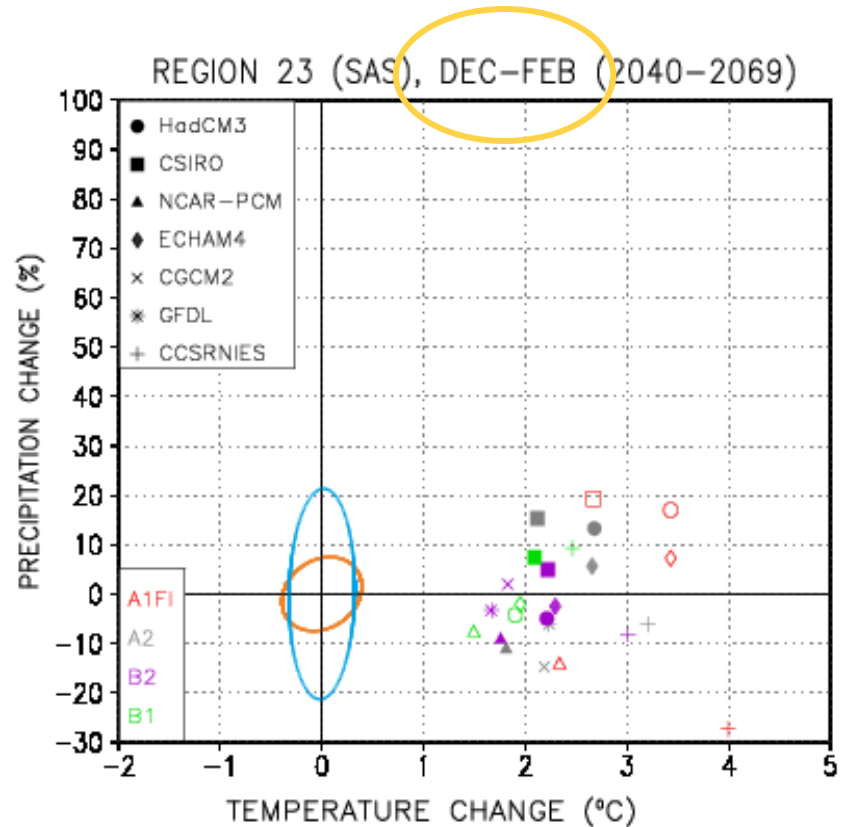
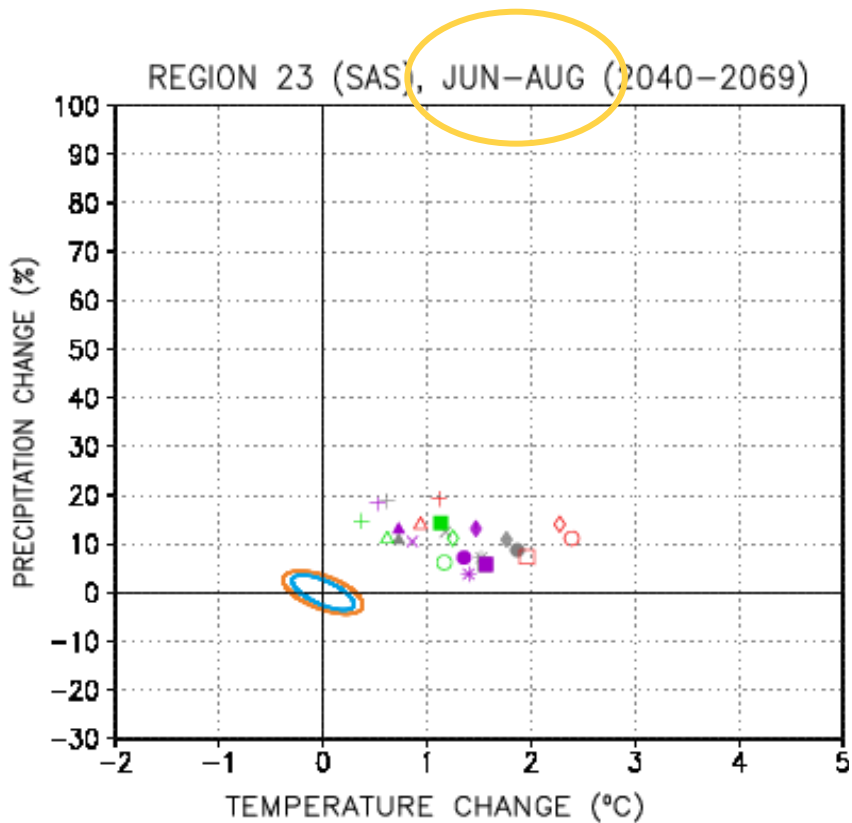


Downscaled model temperature projections





Regional scatterplots





Exercise (2)

Your task

- Interpret the data
 - What does it tell you about rainfall and temperature?
 - What doesn't it tell you?
- Brainstorm what additional information you would need for sound decision-making in the given areas.





Exercise (3)

Results

- (please specify)

Logistics

- Case work
- Presentation of results (please specify how)
- Reflection

