

THE BENEFITS OF CLIMATE INFORMATION TO THE HEALTH SECTOR

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Technical Advisor CB and
Mainstreaming HIV

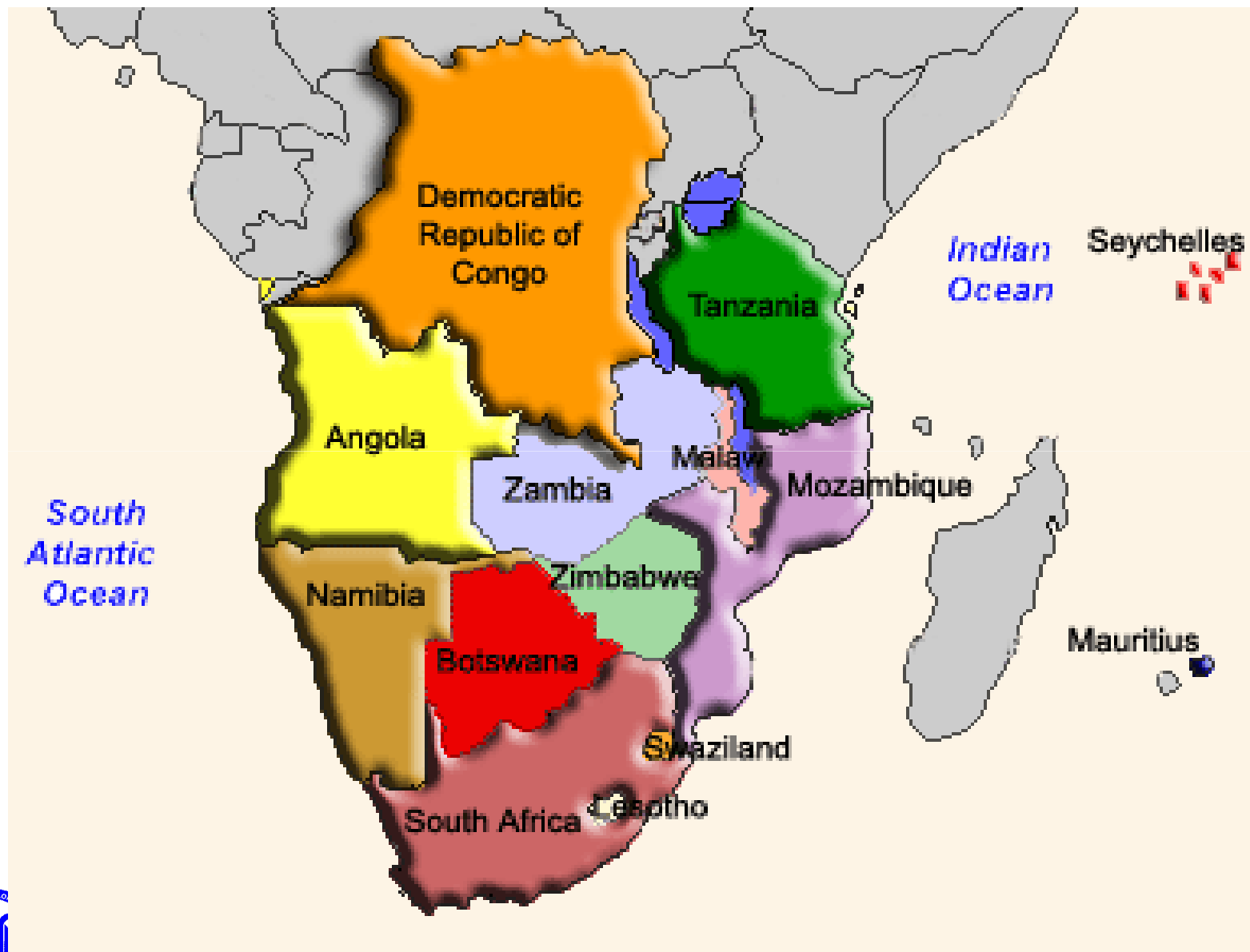
SADC HIV AND AIDS UN

Brad J Garanganga

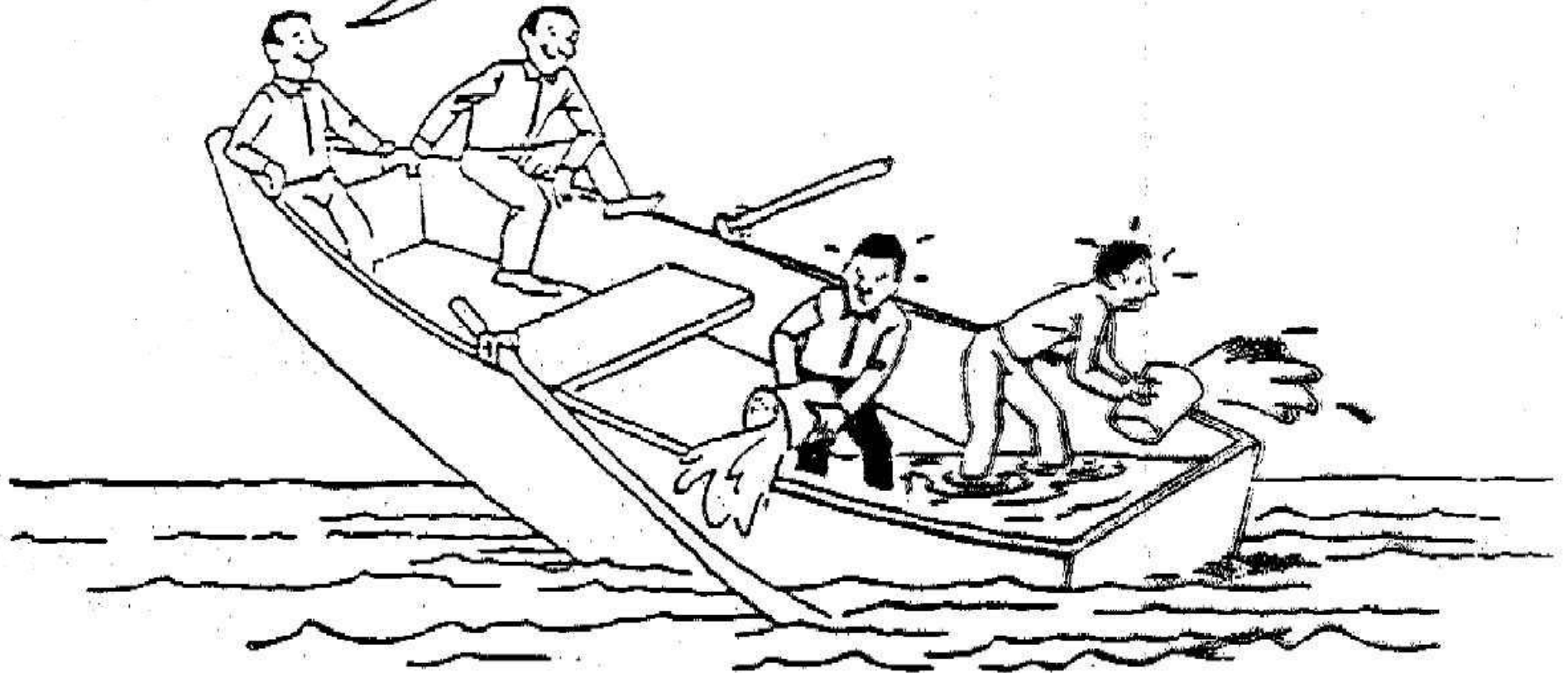
SADC Climate Services Centre



15 Member States of SADC

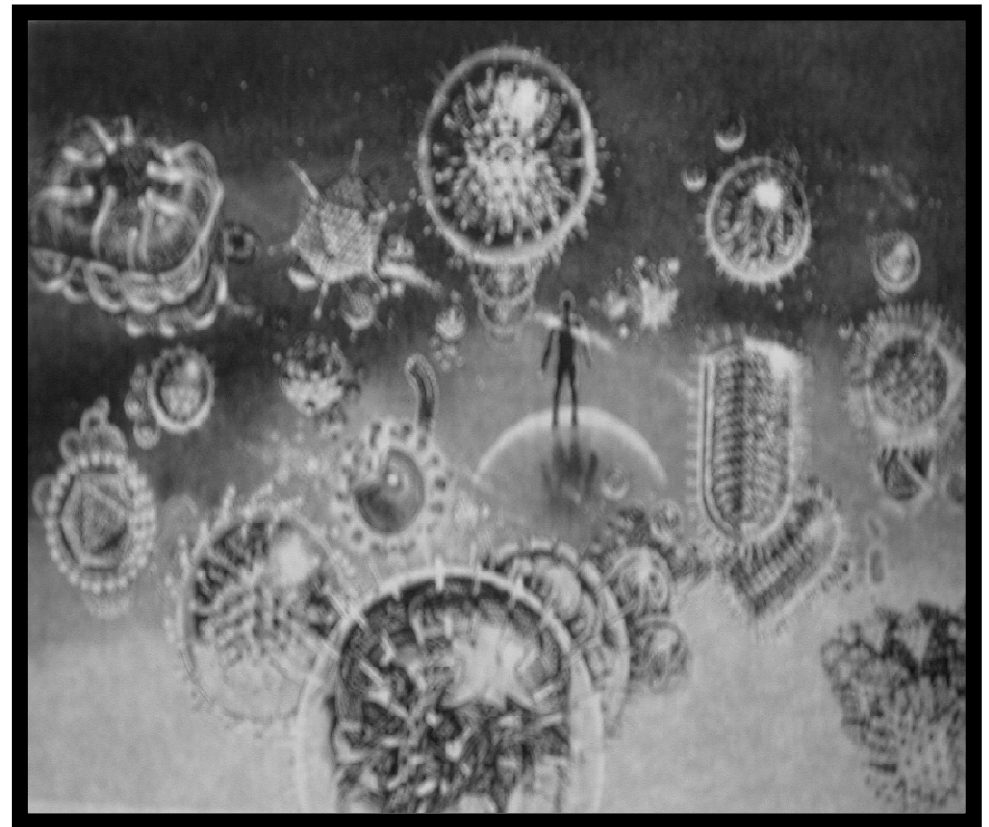


*I'm sure glad the
hole isn't in our end...*



CC AND HEALTH

Climate variability affects disease transmission by shifting the vector's geographic range, increasing reproductive and biting rates, and shortening the germ (pathogen) incubation period. It also increases the probability of hazards (floods, drought etc.)



Diseases affected by climate variability and their vectors

Disease

- Malaria
- Sleeping sickness
- Schistosomiasis
- Leishmaniasis
- Lymphatic filiriasis
- Dengue fever
- Onchocerciasis
- Yellow fever
- Plague

Vector responsible

- Mosquito
- Tsetse fly
- Water snail
- Phlebotomine sandfly
- Mosquito
- Mosquito
- Black fly
- Mosquito
- Rodents through fleas



OTHER CLIMATE VARIABILITY HEALTH IMPACTS



- **Waterborne diseases**
- **Malnutrition**
- **Snake bites**
- **Crocodile bites**
- **Injuries**
- **Heat Stress**
- **Hypothermia**
- **Heart diseases**
- **Respiratory illnesses**
- **HIV, maternal and child deaths (malaria)**



OBJECTIVE OF SARCOF MEETINGS

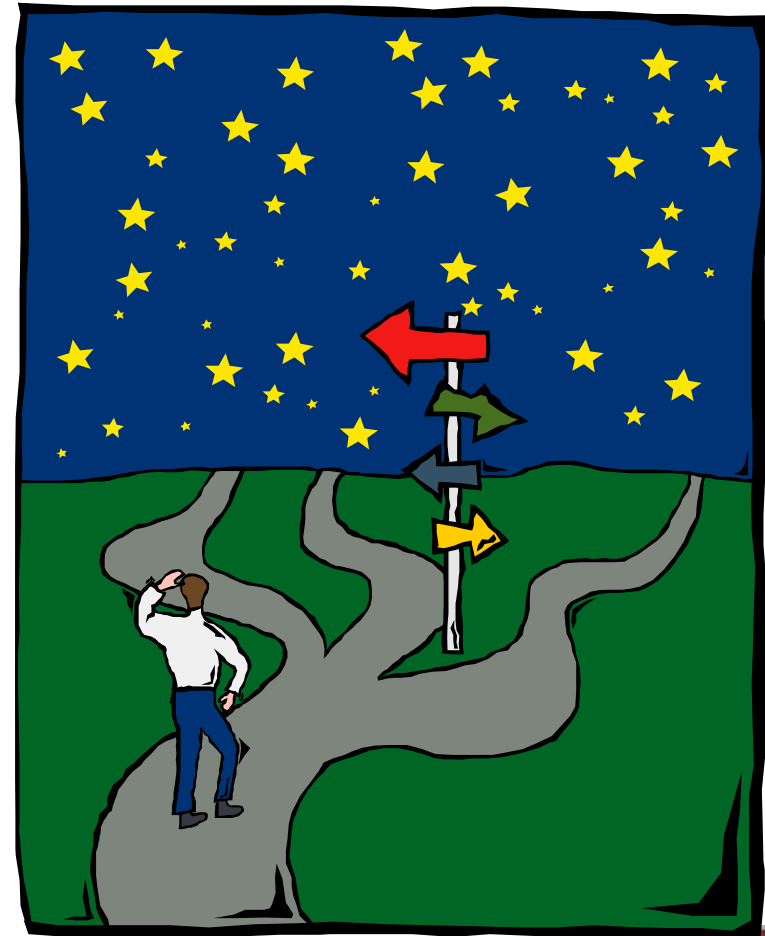


Promote technical and scientific capacity in producing, disseminating, and applying climate forecast information in weather sensitive sectors.



SARCOF Process

- 2 weeks capacity building (mid-August)
- Consensus meeting (late August)
- Country mini SARCOF Meetings (mutli-disciplinary)
- Disaster management teams in MS
- Regional preparedness meetings
- 'Correction meeting' (December)



Participants of SARCOF Meetings

Information Providers

- **Seasonal climate forecaster**
- **Director on NMHS**

Information Utilizers

- **Health**
- **Agronomy**
- **Hydrology and water resources**
- **Power Utilities**
- **Finance and Insurance**
- **Development partners**



SARCOF MEETING ACTIVITIES



- Present various results of research on climate and its impact on economic sectors in the region
- Present seasonal forecasts from various sources (International Forecast Centres, Regional Research Institutions, SADC Climate Services Centre)

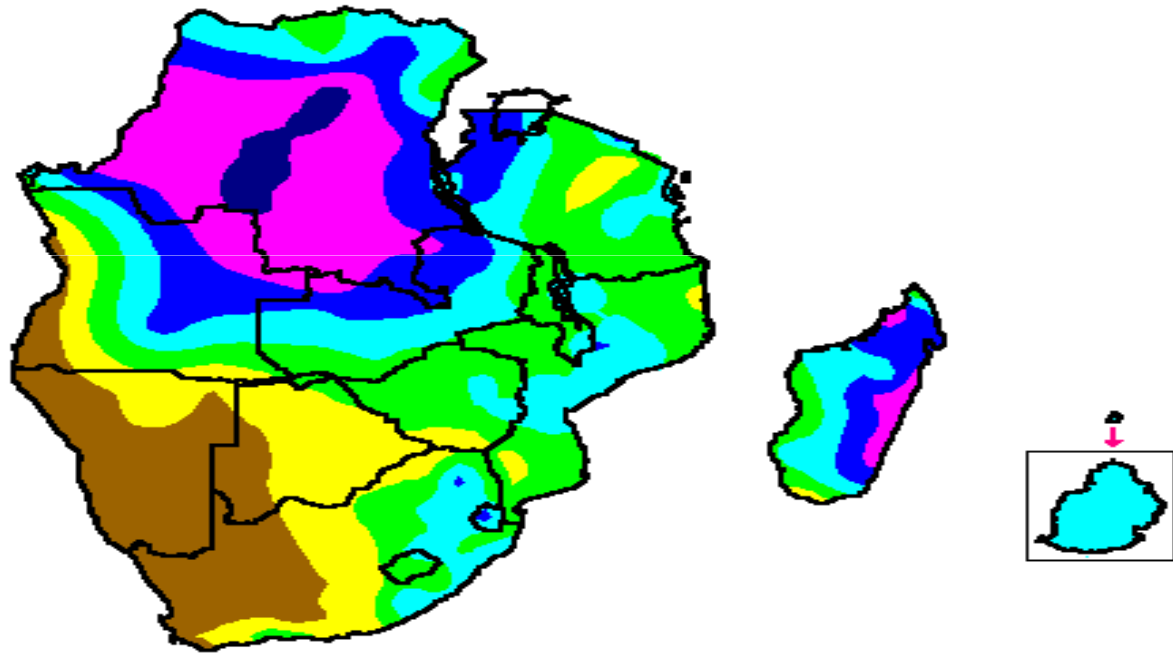
Achievements of SARCOF Meetings



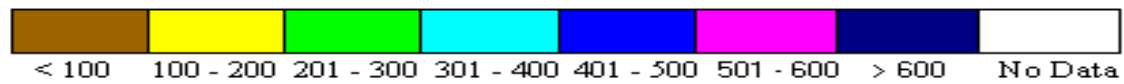
- **Capacity building of climate practitioners, health experts & users.**
- **Development of national seasonal climate prediction models.**
- **Improved accuracy of seasonal climate forecasts in the region.**
- **Regular issuance of user-tailored seasonal climate forecasts information by NMHS.**
- **Improved cooperation between NMSs and users.**

SADC OND CLIMATOLOGY

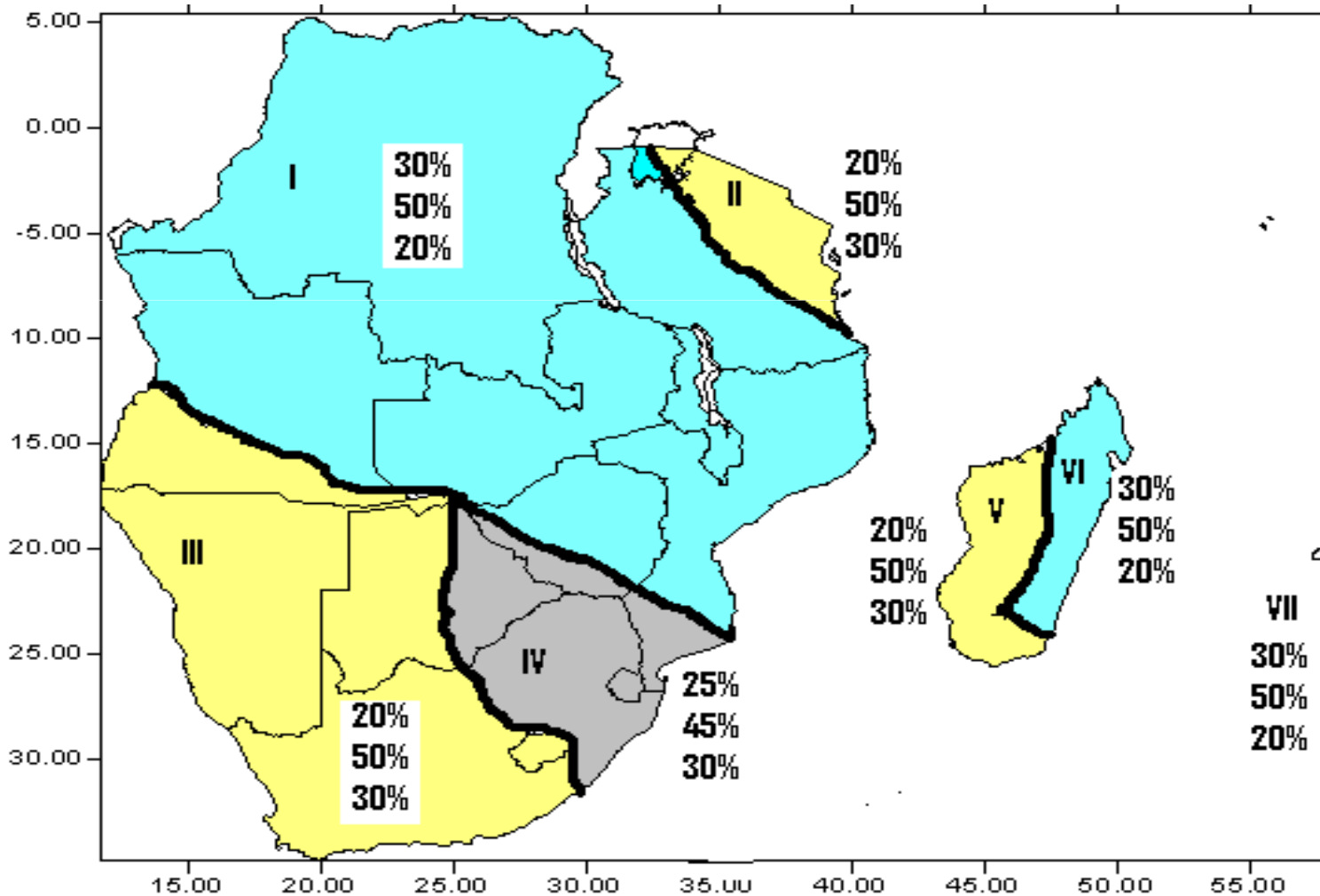
OND 30 YEAR MEAN
1971 - 2000



Key (mm)



DJF 2005/06 Malaria Rainfall Outlook



BENEFITS OF INFORMATION EXCHANGE



- Sectoral-preparedness
- Contingency Plans
- Alertness Of services
- Heightened political commitment
- Local level preparedness (communities etc)
- Resource mobilisation
- Procurement OF drugs and equipment
- Prevention Interventions
- Recovery plan

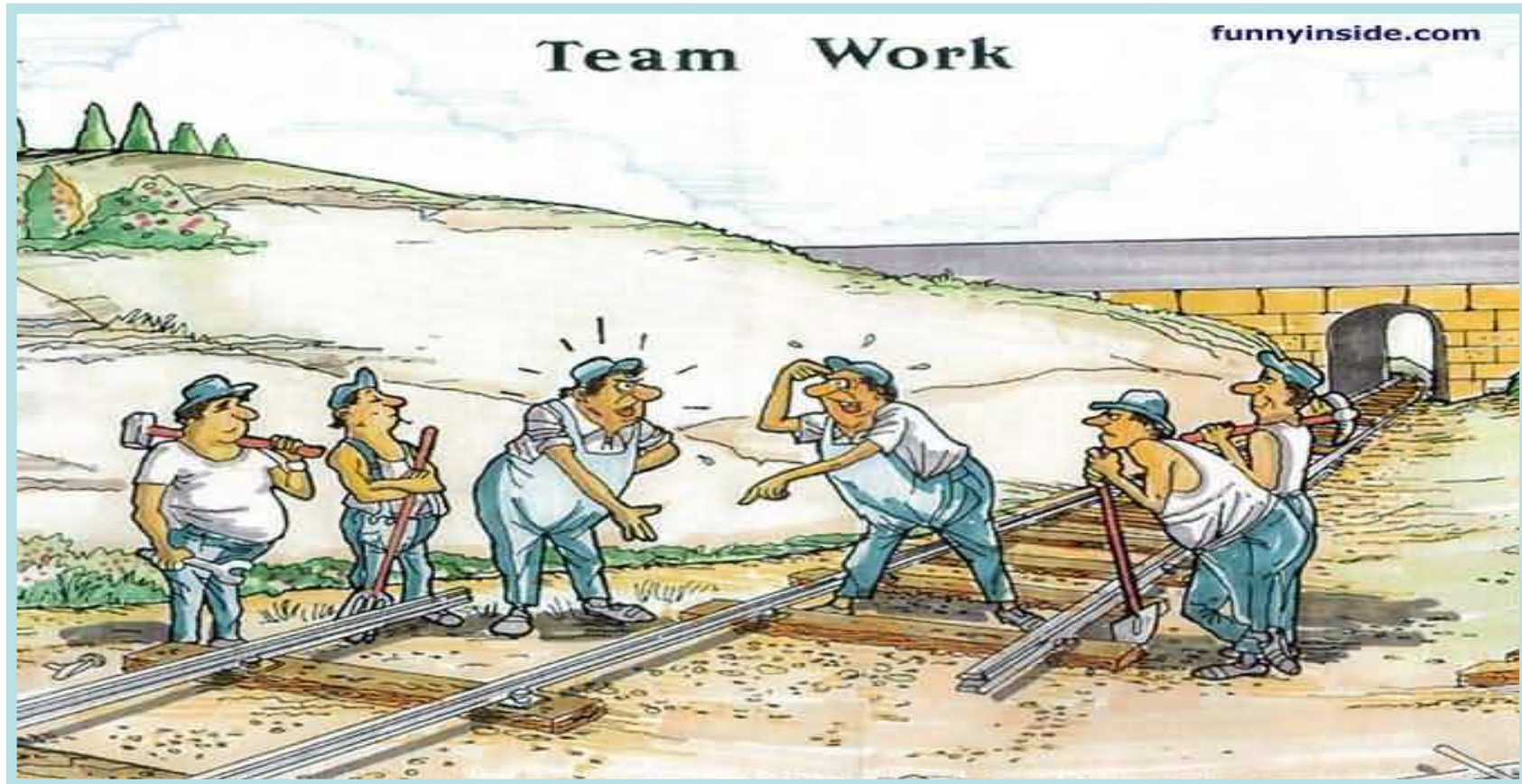


CHALLENGES

- **Loss in translation**
- **Cultural differences**
- **National priorities**
- **Lack of adequate utilisation of info**
- **Lack of efficient mutli-sectoral approach to response**
- **Weak early warning systems**



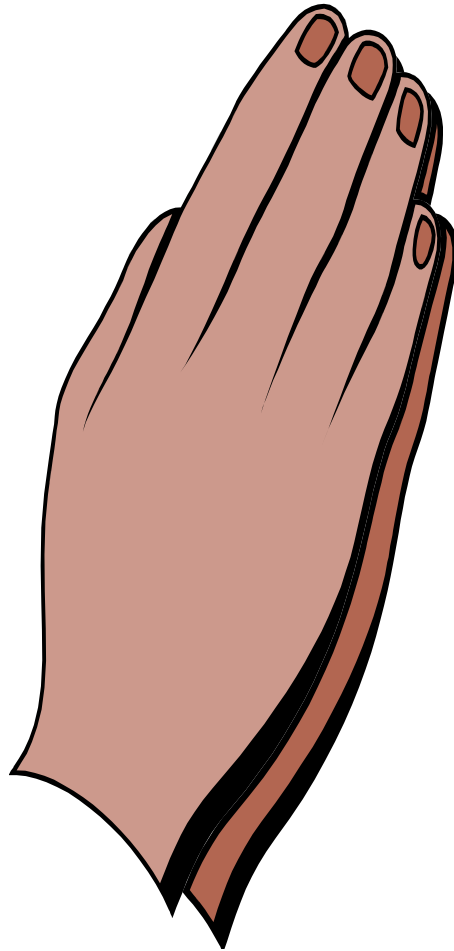
To achieve our common goals it is preferable that we are on the same track!



Dr Vitalis Chipfakacha



THANK YOU FOR YOUR ATTENTION



- KE A LEBOGA THATA
- SIYABONGA KAKHULU
- MAZVITA ZVIKURU
- MUITO OBRIGADO
- MERCI BEAUCOUP
- ASANTE SANA
- ZIKHOMO KWAMBILI
- OSHIWAMBO/DANKI/
TANGI

