THE BENEFITS OF CLIMATE INFORMATION TO THE HEALTH SECTOR

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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

<table>
<thead>
<tr>
<th>Disease</th>
<th>Vector responsible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malaria</td>
<td>Mosquito</td>
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<tr>
<td>Sleeping sickness</td>
<td>Tsetse fly</td>
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<tr>
<td>Schistosomiasis</td>
<td>Water snail</td>
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<tr>
<td>Leishmaniasis</td>
<td>Phlebotomine sandfly</td>
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<tr>
<td>Lymphatic filiriasis</td>
<td>Phillipino of sandfly</td>
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<tr>
<td>Dengue fever</td>
<td>Mosquito</td>
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<tr>
<td>Onchocerciasis</td>
<td>Mosquito</td>
</tr>
<tr>
<td>Yellow fever</td>
<td>Black fly</td>
</tr>
<tr>
<td>Plague</td>
<td>Rodents through fleas</td>
</tr>
</tbody>
</table>
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 (multi-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.
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 multi-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 LEOGA THATA
- SIYABONGA KAKHULU
- MAZVITA ZVIKURU
- MUITO OBRIGADO
- MERCI BEAUCOUP
- ASANTE SANA
- ZIKHOMO KWAMBILI
- OSHIWAMBO/DANKI/TANGI