



Significance of Weather & Climate information in supporting Food Security and meeting the SDG's

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Presentation Outline

- The Contemporary Challenge and Implication
- The UN SDGs and UNMA's Contribution
- The Mandate and Mission of UNMA
- UNMA's efforts to improve its products
- Conclusion

The Contemporary Challenge

- Increased climate variability with more frequent and intense extremes.
- Increased land degradation due to increased frequency of the extreme climate events aggravated by poor/unsustainable practices
- Increased pest infestations such as army worm, cassava mosaic, banana wilt and other weather related plant and livestock pathogens and diseases
- Reduced water and pasture for livestock
- The shrinking ecological range of important agricultural fauna and flora.

The Implication

- Significant reduction in productivity and food production
- Higher order impacts like increased costs of production and hence lower profitability
- Agricultural production becoming less attractive and enterprising, especially to the energetic youth.
- Hence a decrease in food production yet with increasing demand due to increasing population and trade
- Increased hunger and famine due to food shortages and unaffordable food prices
- Ultimately increasing Food and Nutrition Insecurity

The UN Sustainable Development Goals (SDGs)

- **What is Sustainable Development?** It is defined as development that meets the needs of the present people without compromising the ability of future generations to meet their own needs.
- At the United Nations Sustainable Development Summit on 25 September 2015, world leaders adopted the **2030 Agenda for Sustainable Development**,
- The Agenda includes a set of 17 Sustainable Development Goals (SDGs) to end poverty, fight inequality and injustice, and tackle climate change among others by 2030.

THE GLOBAL GOALS

For Sustainable Development



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UNMA 's Contribution

SDG	UNMA's Contribution
Goal 1: Reduce poverty	Through information for sustainable livelihoods
Goal 2: Zero hunger	Through provision of climate information for decision making for sustaining agricultural production
Goal 3: Good Health and well-being	Early warning information to facilitate contingency planning for any weather related outbreaks
Goal 6: Clean Water and Sanitation	Through Hydrometeorological services
Goal 7: Affordable and Clean Energy	Through availing climate data and information to facilitate planning, investment and regulation of clean energy sources such as hydro, solar and wind
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UNMA 's Contribution Cont'd

SDG	UNMA's Contribution
Goal 9: Infrastructure	Through availing climate data and information to facilitate the design of climate proofed infrastructure
Goal 11: Sustainable cities and communities	Through availing climate data and information to facilitate the location and design of climate resilient cities
Goal 13: Climate Action	Through the generation of scientific information on the climatic trends and future scenarios to guide both adaptation and mitigation options

The Core UNMA Mandate and Mission

Mandate;

- To establish and maintain a robust weather and climate observing station network (both surface and upper Air);
- To collect meteorological data, analyze it and produce weather and climate information (including warnings and advisories) to support social-economic development.

Mission;

- *To provide quality, customer-focused, cost-effective and timely weather & climate information to all users.*

UNMA's effort to improve its products

- There has been an overhaul of the major weather **observatories** including the **telecommunication infrastructure** to increase the quality and quantity of data as the primary input into accurate and reliable products.
- There is a deliberate drive to upscale the skills and competencies of staff.
- Efforts to secure ISO 9001: 2008 Certification is near completion. The UNBS has concluded a successful audit of UNMA's QMS for Aeronautical Meteorological Services. This is to be rolled out to all other UNMA services within this NDPII period to secure **ISO 9001:2015**.

The Current Accuracy of the products

- At least 80% in the normal years
- Over 90% during the ***La Niña*** and **El Niño** years
- All these are far above the less than the 22% accuracy based on experiential knowledge.

NB: Of late UNMA has registered more appreciation/ positive feedbacks than ever before.

Conclusion

- It is UNMA's commitment and effort to continuously improve on the integrity of our services to the satisfaction of all our stakeholders.
- I therefore call upon all our stakeholders to partner with us in this noble cause to realize Uganda's aspirations in Vision 2040 and NDP II objectives.
- Thanks to all who are already supporting us besides the GoU budget. These include but not limited to; UNDP, GIZ, USAID, IFAD, Sida, Rockefeller Foundation, WMO, China, Egypt, ACCRA, Makerere University, FAO, UK-MET Office,.....

Thank you for your attention