





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 4/06/2017 JTR 2017, MBALE 4

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.

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THE GLOBAL GOALS

For Sustainable Development





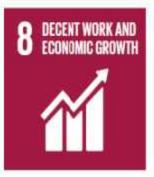








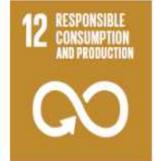
























UNMA 's Contribution

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 NDPII 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