Food Insecurity in the Greater Horn

Greg Husak
Climate Hazards Group
UC Santa Barbara, Dept. of Geography
husak@geog.ucsb.edu
Food Security is Complex

- Livelihood
- Availability
- Accessibility
- Utilization
What Now?

• Decision makers need *actionable* information
  – Where are people in need?
  – How many people face food insecurity?
  – When are measures needed?
"12.4 million people are in need of assistance”
-FEWS NET

Example: August 23, 2011
Decision Support Interface

The image displays a map and a table related to drought monitoring. The map shows different levels of drought conditions across various regions in Kenya. The table provides empirical and theoretical percentile data for different administrative units, including Central, Coast, Eastern, Nyanza, Rift Valley, and Western. The table lists Dekadal Drought Monitor Value and RFE values for various time periods.
Summary

• Food security is a complex issue connecting the spatial processes of both geophysical and social components

• Efforts towards automation are in development, but human interpretation remains integral to anticipating disaster
Acknowledgements

• FEWS NET
• Gideon Galu – USGS Field Scientist in East Africa
• USGS
• Kathryn Grace and Chris Funk