Impact-Based Forecast and Warning Services: Provider Perspective

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What is Our Approach to IBF?

• **Threshold Focused Forecasting**
  • Assessment of local situation and needs
  • Definition of thresholds and probability of triggering are based on historical analysis

• **Quantitative risk approach**
  • Using a modelling technique that can provide sufficient local detail and relevant impact information
    ➢ *Base: Global Storm Surge and Global Flood Forecasting (GLOSSIS and GLOFFIS), local information from local specific flood models and impact models (FIAT)*
  • Include ensemble / uncertainty information to assess and be able to communicate risks

• **Establish dissemination channels using local communication means**
  • Internet, television, text messages, WhatsApp / TelegramApp
  • Reach out to communities through radio’s, community houses etc using very simple information
Impact based forecasting – A FEWS perspective

I. Ensemble Generation (including probabilities)

II. Typhoon wind velocities

III. Maximum Water depth

IV. Impacts for every Ensemble Member

V. Impacts x Probabilities = Risk

VI. Categorization

Invest: “what information can help the local decision process?”

Focus on probabilistic Impact Information