

Projections & Impacts

11 Oct 2006

Science Priorities

Impacts The “What”

- Short term Forecasts (1 to 10 days)
- Intermediate (15 – 30 days)
- Seasonal Forecasts (1 - 6 months)
 - warm pool in Atlantic
 - Is a method available for predicting number of storms or probability for next hurricane season (must include inter-annual variability)
- Long Term Forecasts (incl. Climate Change)
 - Long term (10 – 20 year) forecasts
 - Longer term 20 -100 years

Science Priorities

Product Priorities

Probability of:-

- How many (Probability)
- Where
- When
- How strong

At all forecast horizons

Physical Impacts

- Rainfall and rain flooding
- Wind Speed
- Storm Surge
- Wave height
- Electricity Grid
- Evacuation

Science Priorities the “How”

- Short Term Forecasts (1 – 10 days)
 - Genesis
 - Eye replacement
- Intermediate (20 to 30 days)
 - Genesis / Lysis (decay)
- Seasonal Forecasts (1 – 6 months)
- Long term (years)

