

SESSION: (A4) S2S forecasts for decision making

(A4-07)

**Excessive Heat Events and Health: Building Resilience based on Global Scale
Subseasonal-to-Seasonal Excessive Heat Outlook Systems**

Vintzileos, Augustin

UMCP-ESSIC. USA

Excessive heat events (EHE) are the primary cause for mortality resulting from atmospheric extremes. As the population becomes older and EHE intensity and frequency is increasing mortality is expected to grow and thus early warning systems become crucial. Data from the S2S database are used to demonstrate the feasibility of S2S forecasting of EHE. The paper concludes with the presentation of an experimental S2S quasi-operational excessive heat outlook system that focuses on human health.