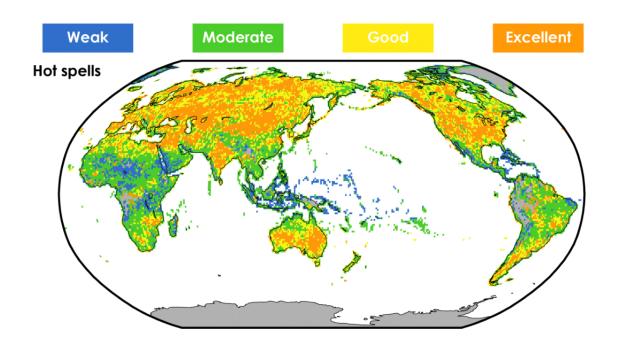
# Weather and climate information to facilitate action on heat

Hannah Nissan



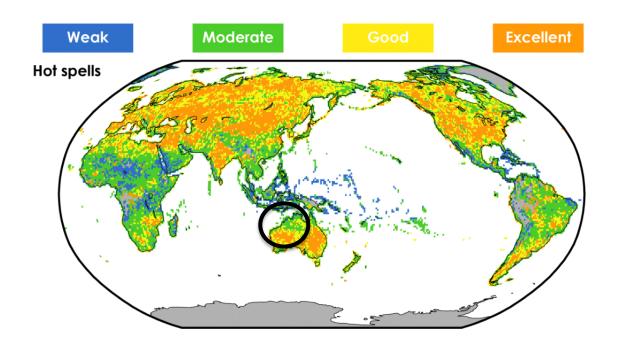
### How good are weather forecasts for heat?



3 day forecast ECMWF model vs ECMWF analysis

Thomson & Mason (2018) Climate Information for Public Health Action

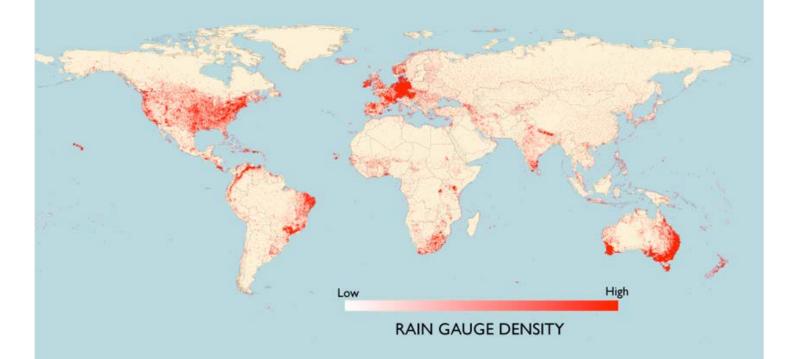
### How good are weather forecasts for heat?



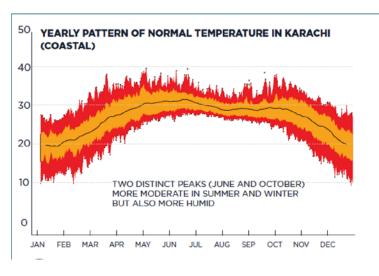
3 day forecast ECMWF model vs ECMWF analysis

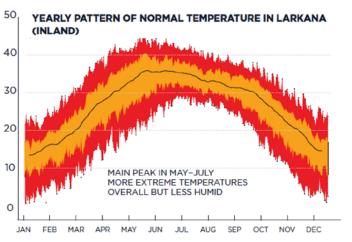
Thomson & Mason (2018) Climate Information for Public Health Action

## Data divide

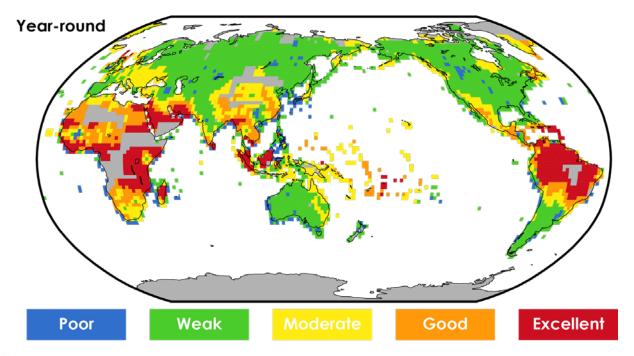


# **Exploiting seasonality**



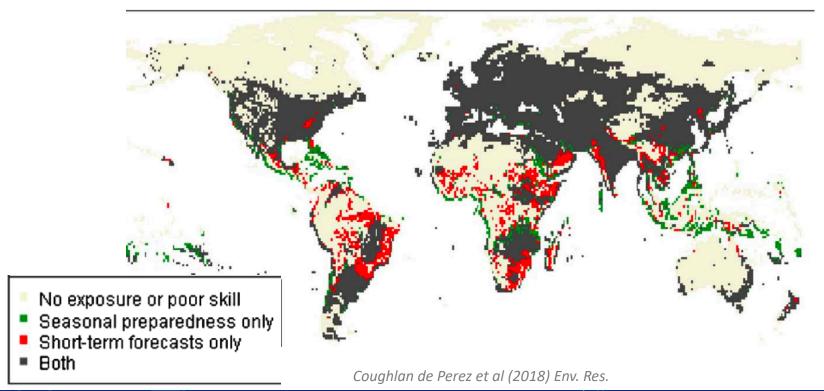


### How good are seasonal temperature forecasts?



Thomson & Mason (2018) Climate Information for Public Health Action

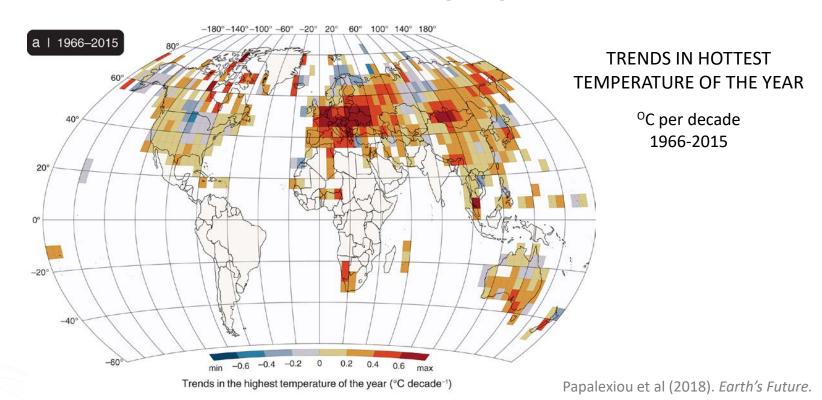
### A mix of weather and climate services



# Sub-seasonal forecasts: bridging weather and climate

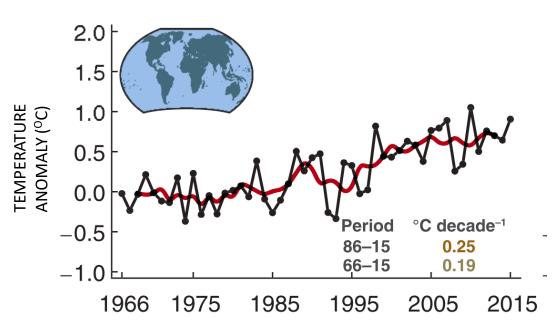


## Extreme heat in a changing climate



# Extreme heat in a changing climate

#### HOTTEST TEMPERATURE OF THE YEAR



Papalexiou et al (2018). Earth's Future.

#### Thank You

hannah@iri.columbia.edu

http://iri.columbia.edu





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