

The Hebrew University Center for Climate Science (HUCS)

Background

- Climate change is one of the most pressing and complex scientific challenges of our time.
- The mean global temperature has increased by about 1° Celsius since preindustrial times, and is estimated to increase by another 1° at some juncture between the late 2030's and the 2060's — a temporal uncertainty of 30 years!
- Uncertainty in climate change, persisting despite immense investments in observations and climate modeling since the late 1970's, is the foremost inhibitor of the mitigation of climate-related effects. Without reliable assessment and predictions, policy makes lack the tools for planning and resource allocation of long-term solutions.
- None of the existing models specializes in the climate of the Middle East and therefore local decision-makers have to rely on far from optimal climate simulations.

Who we are:

The Hebrew University announced the establishment of The Hebrew University Center for Climate Science (HUCS). HUCS will be a hub for research and education in climate sciences, and will provide centralized resources and training to climate scientists.

Goals

- Address knowledge gaps leading to uncertainty in climate prediction (clouds, dynamic of the atmosphere and oceans).
- Build climate modelling infrastructure (first in Israel).
- Build regional climate prediction capabilities, specialising in the Middle East.
- Education and Outreach.

Collaborations

1. Scientific collaboration in all areas of climate sciences.
2. Exchange of faculty members and graduate students.

Contact person

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