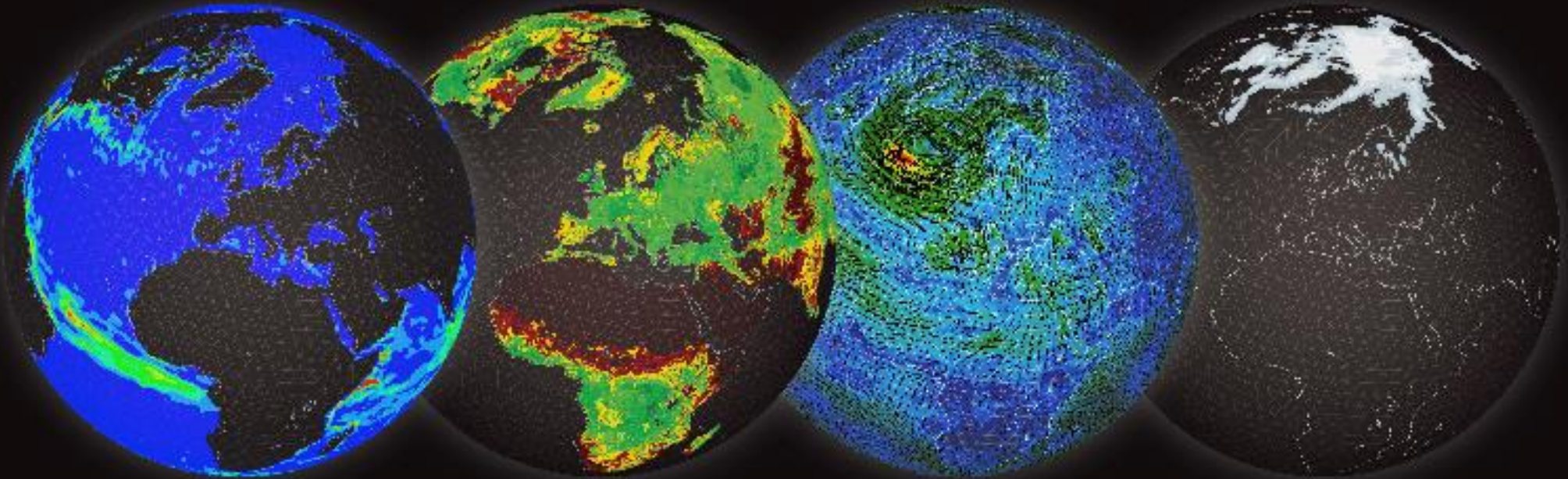


Annual Seminar 2016

Earth system modelling for seamless prediction

Erland Källén



ECMWF ten year strategy 2016-2025

Forecast targets by 2025

- Ensemble predictions of **high impact weather** up to two weeks ahead
- Seamless approach, aiming towards predictions of **large scale patterns and regime transitions** up to four weeks ahead and **global-scale anomalies** up to a year ahead



THE STRENGTH OF A COMMON GOAL

Goals

- Research at frontiers of knowledge
- Ensemble-based analyses and predictions that raise the international bar for quality and operational reliability



THE STRENGTH OF A COMMON GOAL

How do we achieve these goals?

- Observations
- High resolution ensemble
- **Earth-system**
- Scalability
- Funding
- **People**

