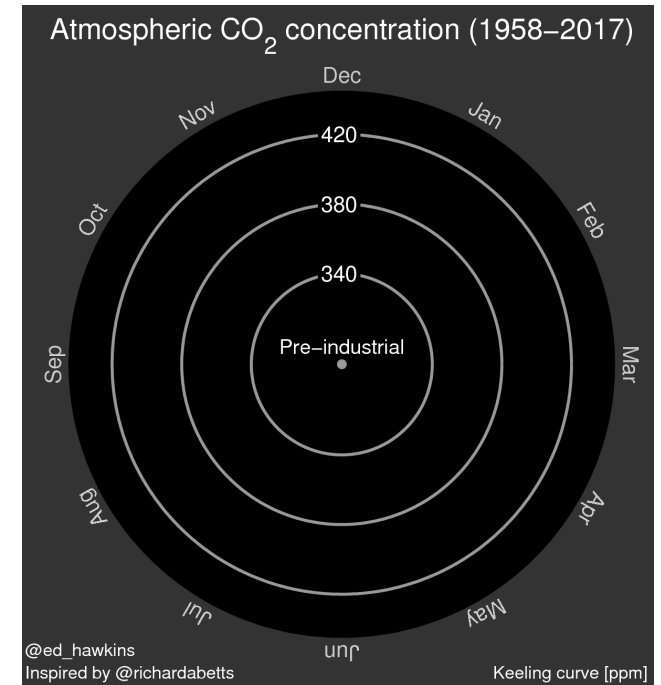
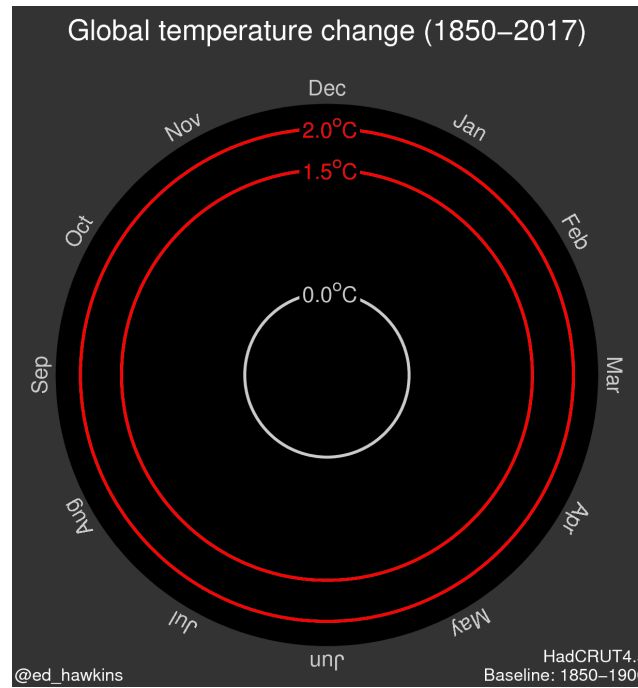
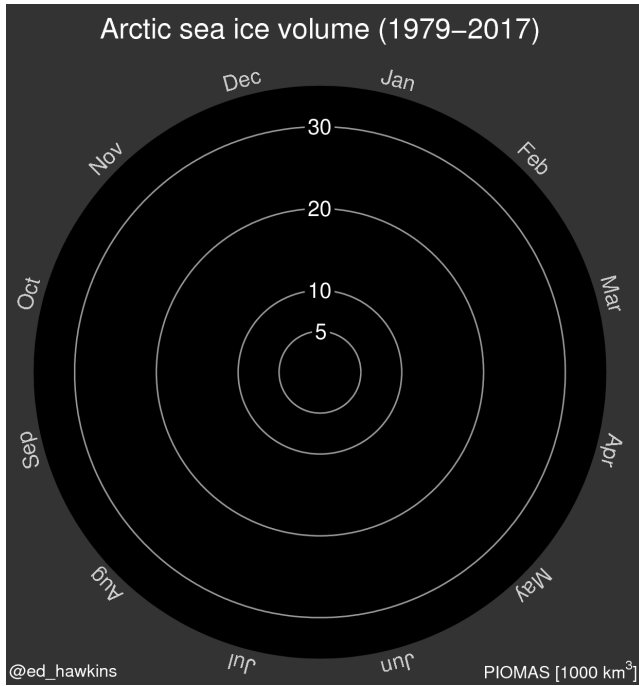


# Signatures of change



Change, the only thing that is constant

A **central foundation** to responding to climate change is **relevant information** and understanding of physical changes and baseline attributes of the regional climate system; without this knowledge all one can do is enhance resilience in anticipation of an unknown.

# Concepts about information on climate change

**1. Natural variability** – there is always some form of change happening

**2. Change has different characteristics:**

- Scales in space: local, regional, global
- Scales in time: when and how fast
- How it changes: average, extremes, combinations
- What changes: remote parts of the climate (e.g. ENSO) and local feature (e.g. sea level, thunderstorms)

**3. More resolution is not equal to more information**

**4. Sources of data**

- History (which is not exact)
- Many simulations (how to talk about a future)

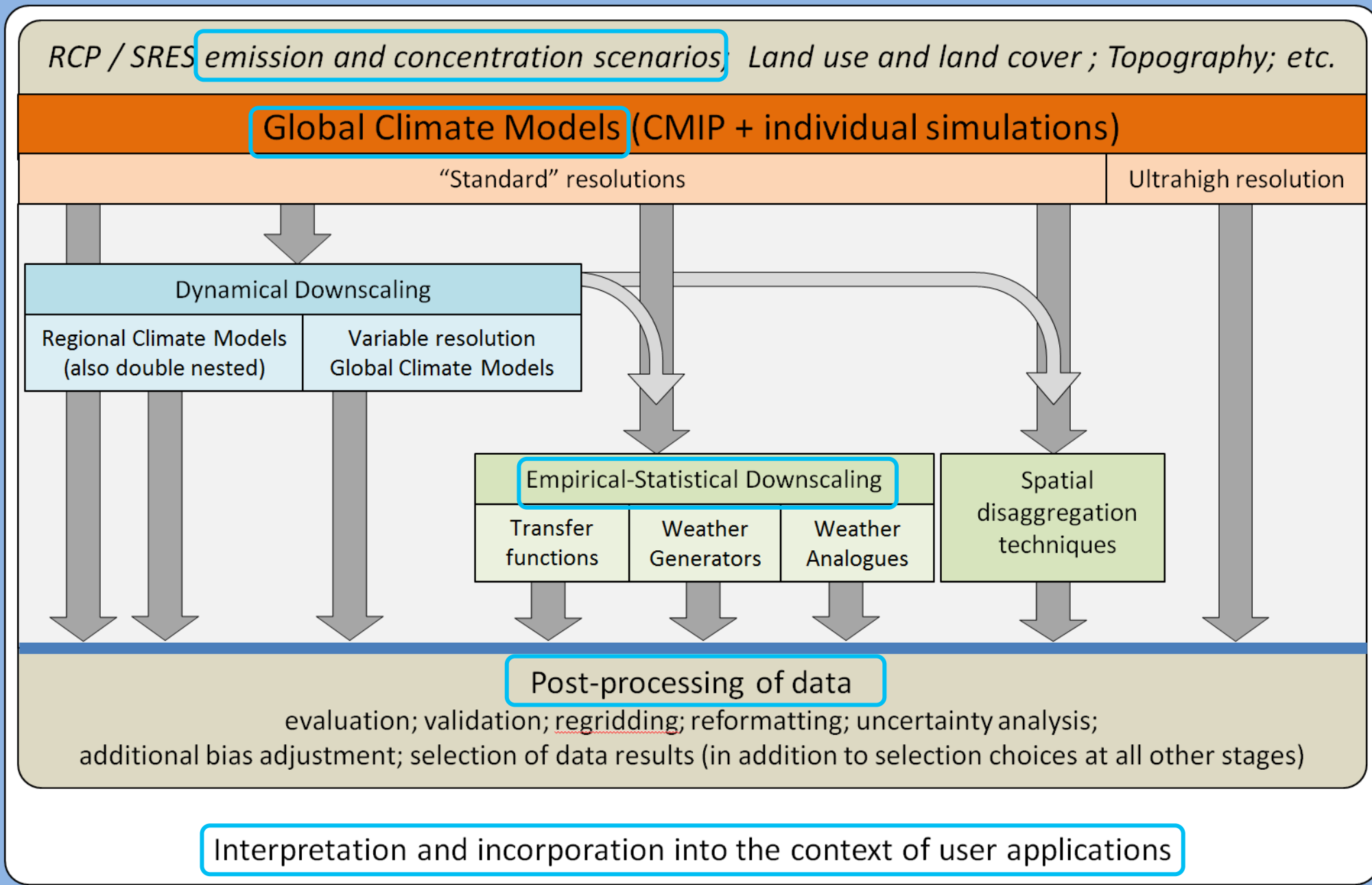
**5. There are different processes for turning data into information**

**6. Evidence needs to be examined (Plausible, Defensible, Actionable)**

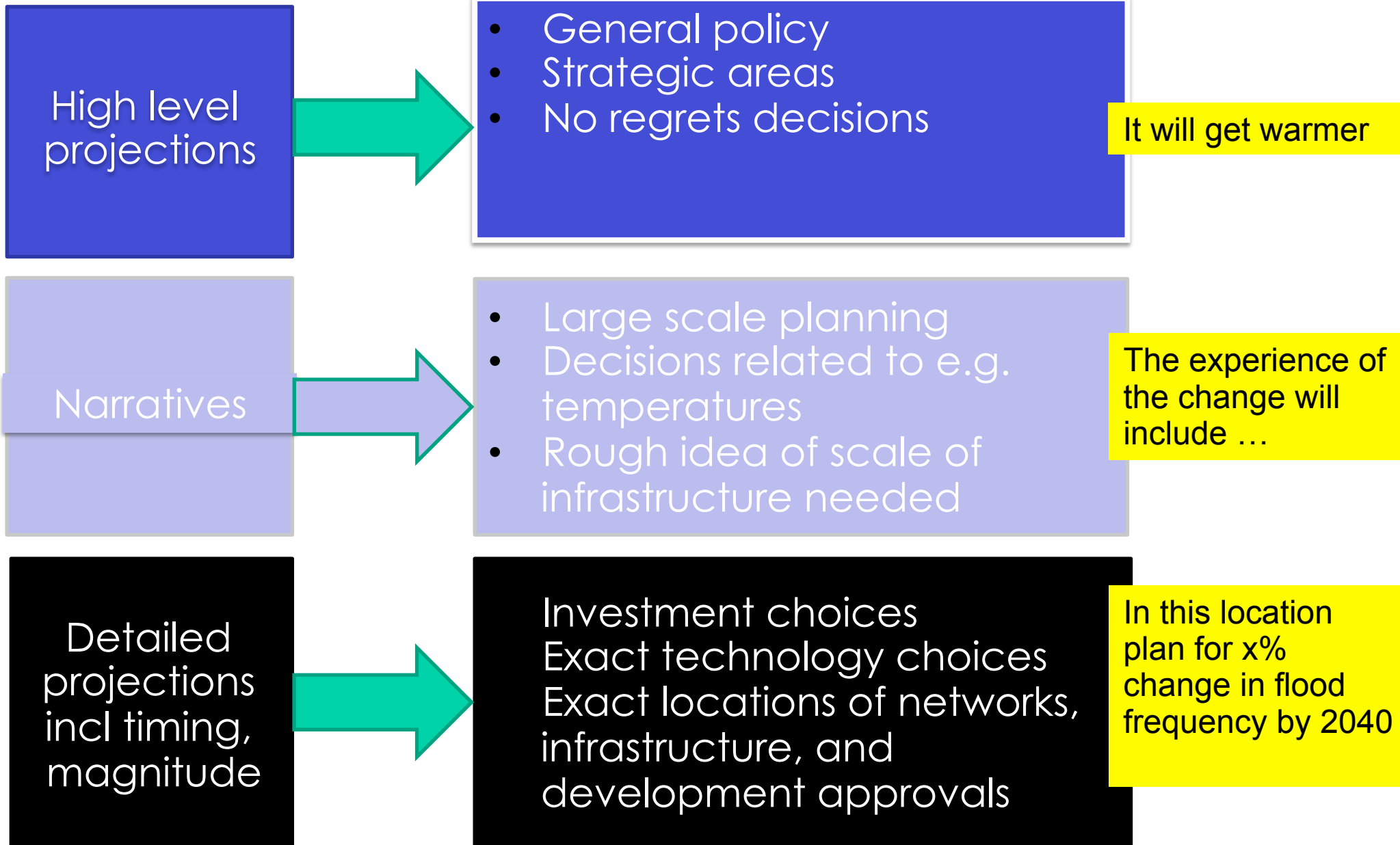
# A typology of approaches to producing finer scale data (“information?”)

From climate simulations to application information

Observational Data (environmental and social)



# Different levels of messages



# WG I

Explore the opportunities to advance our knowledge on regional information to improve our understanding on the climate:

- Ways forward towards providing the required regional information at appropriate scales and
- User needs



Tell me a story that has meaning in  
my context!