

#### **Climate Information for Regional Sustainable Development: Support Ecological Civilization** Construction Lijuan MA\*, Pengling WANG, Yang WANG, Qingchen CHAO, Yongxiang ZHANG National Climate Centre, CMA, China

### **1. Climate change is affecting every corner of the world**



## 2. Efforts from observations to tackling climate change



# 3. Capacity building for climate change in vulnerable region



The High Mountain Asia, with an elevation higher than 4000 m a.s.l. by average, has been experiencing dramatic climatic and environmental changes, accompanying widely impacts on natural ecosystems and socioeconomic development.

> All regions are projected to experience changes in at least 5

> Almost all (96%) are projected to experience changes in at least 10 CIDs and half in at least 15 CIDs.

For many CIDs there is wide geographical variation in where they change and so each region are projected to experience a specific set of CID changes.

*IPCC WGI AR6, 2021* 

Number of land & coastal regions (a) and open-ocean **regions** (b) where each **climatic impact-driver** (CID) is projected to **increase** or **decrease** with *high confidence* (dark shade) or *medium* confidence (light shade)





Annual mean wind speed at 80m height