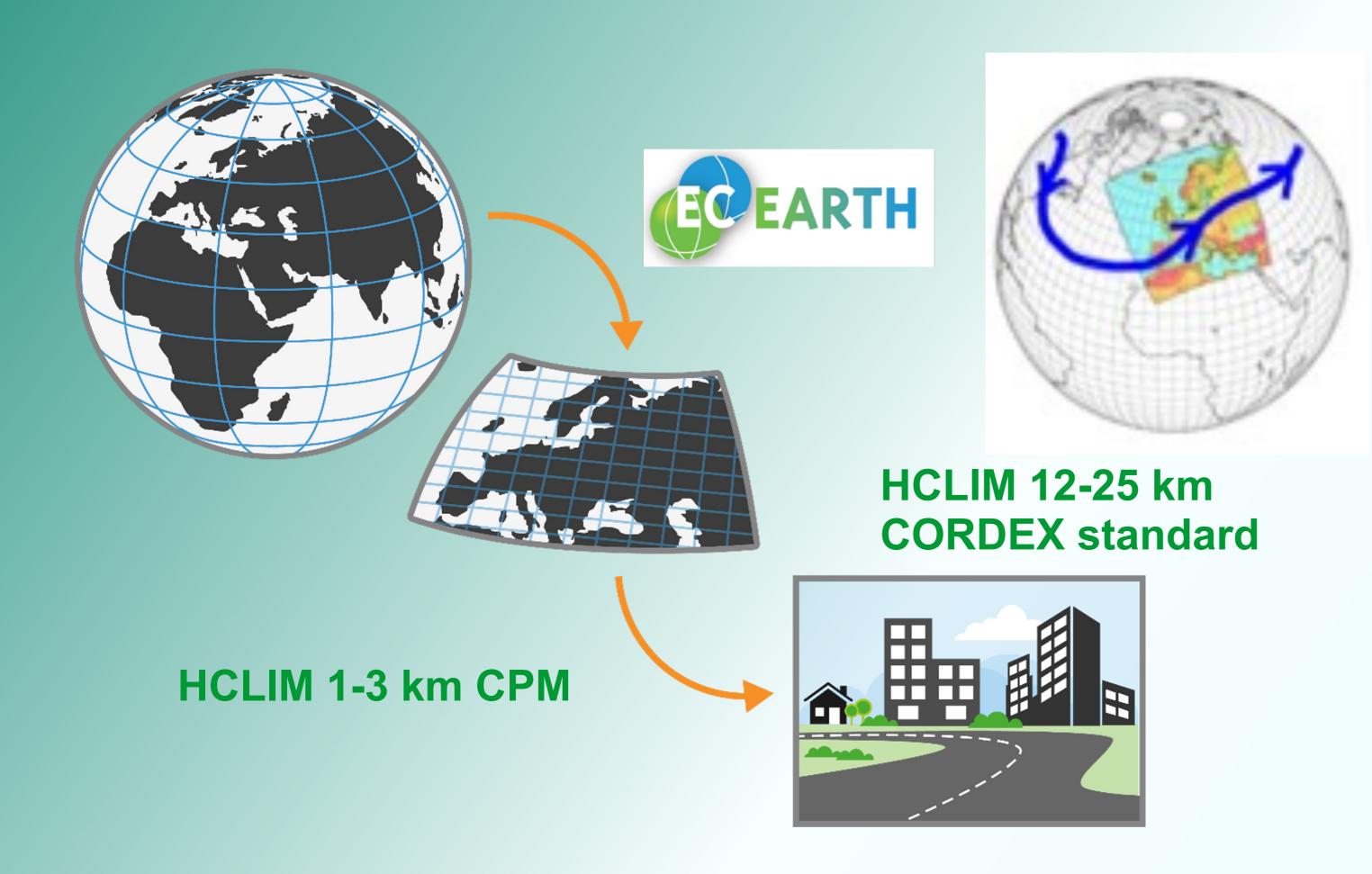




The chain from global to local

- from data to knowledge to societal benefit -



- Global collaboration
- Coordinated, high-resolution, validated climate information
- Open access, easy to use
- Informed decisions
- New climate change scenarios for regions (coming soon!)
- Earth System Grid Federation (ESGF)





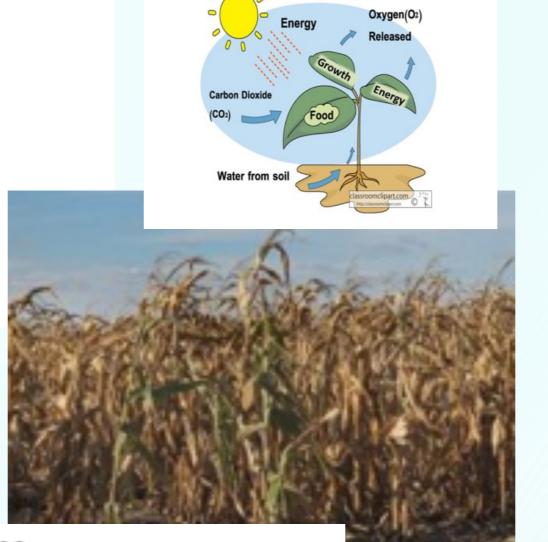
What climate shall we adapt to?

Investigating the potential impact of 1.5, 2 and 3 °C global warming levels on crop suitability and planting season over West Africa

Temitope Samuel Egbebiyi¹, Olivier Crespo¹, Christopher Lennard¹, Modathir Zaroug^{1,5,6}, Grigory Nikulin², Ian Harris³, Jeff Price⁴, Nicole Forstenhäusler4 and Rachel Warren4



- **Events with large socio-economic** impact;
 - > Water supply; crops, spreading of diseases, land slides
 - > Cities: sewage systems, heat waves
 - > Land use; forests, constructions



Impact of future climate change on malaria in West Africa

Ibrahima Diouf^{1,2} · Abiodun M. Adeola^{3,4,5} · Gbenga J. Abiodun⁶ · Christopher Lennard⁷ · Joyce M. Shirinde^{8,9} · Pascal Yaka¹⁰ · Jacques-André Ndione¹¹ · Emiola O. Gbobaniyi¹²

Received: 30 December 2020 / Accepted: 1 October 2021 / Published online: 20 October 2021

Monsoon getting longer

- Wetter and warmer:
- > Respiratory illnesses

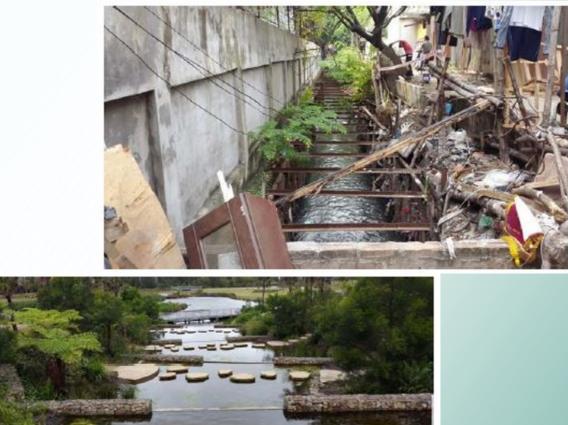
Get an instant climate change

overview for any location world-

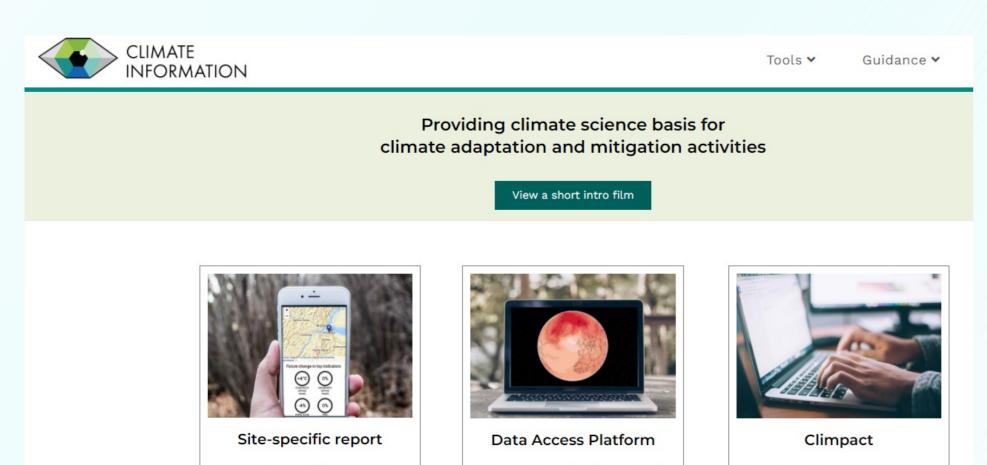
- ➤ Waterborne deseases cholera etc
- Mosquitos > dengue fever
- > Depression and anxiety



With/without knowledge...







Download pre-calculated climate

indicators and explore interactive maps and graphs.

Which climate information and Which tool should I use?

Calculate climate indicators using

your own weather and climate

CORDEX > WMO/GCF climateinformation.org

- Help LDCs to get support from the Green Climate Fund
- Methodology for use of climate data National Adaptation Plans (NAPs), indicators in web-based tools from SMHI