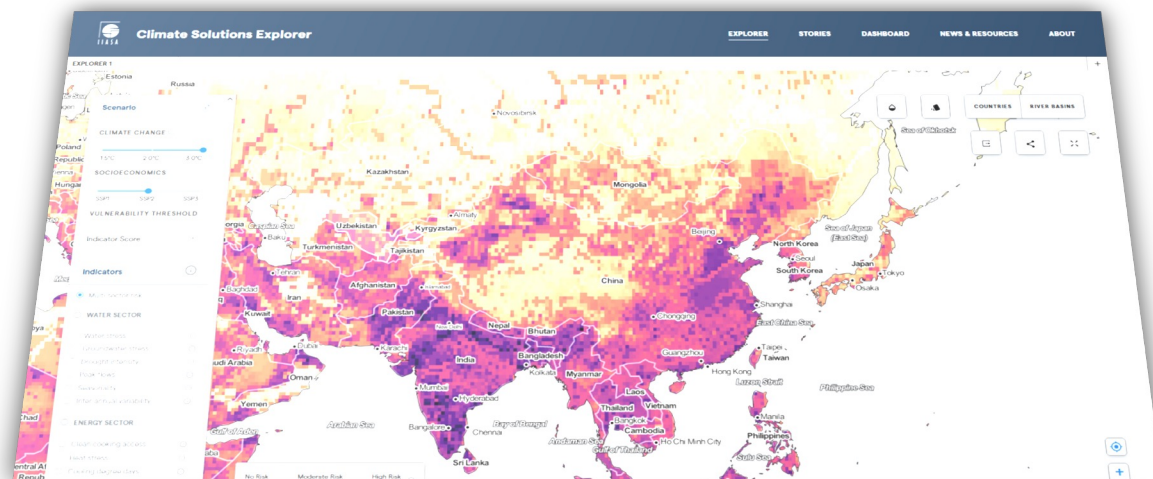


National dashboards & Climate Solutions Explorer

Edward Byers, Mia Werning, Maximilian Wolschlager, Daniel Huppmann, Bas van Ruijven, Keywan Riahi, Volker Krey

and contributions from many others

ENGAGE Stakeholder Workshop, Brazil
2023-03-29

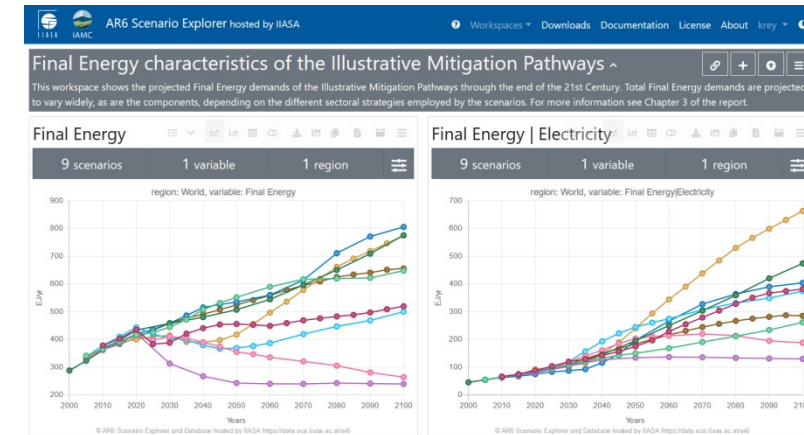


Objectives

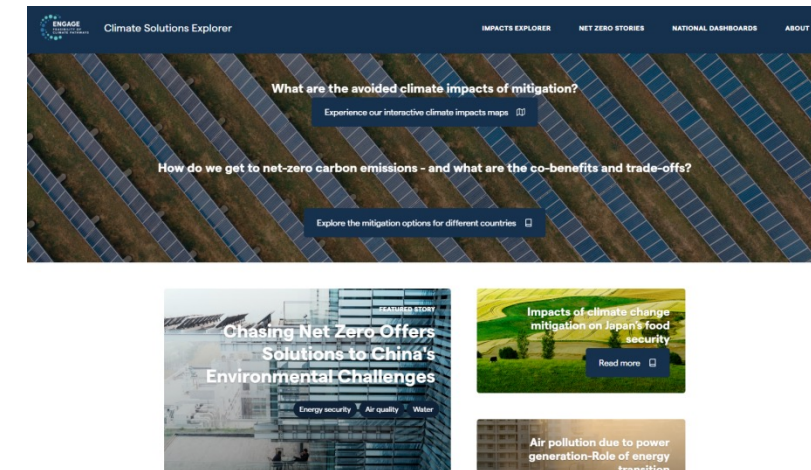
Create a communication tool accessible to non-experts that communicates key project findings

- Feature narrative-based entry points on specific topics and countries
- Integrate information on mitigation and (avoided) climate impacts
- Include trade-offs and co-benefits of mitigation pathways with other SDGs
- Display time-series and spatial datasets

IAMC AR6 Scenario Explorer



<https://data.ece.iiasa.ac.at/ar6/>



Preview: <https://climate-solutions-explorer-iiasa.vercel.app/>

Overview of Climate Solutions Explorer

Time-series data with customizable interface and narrative component

- Deep-dive dashboards for specific countries (Japan, Thailand, China, Brazil, Viet Nam, ...)
- New and improved e-Policy Briefs as *Stories*
- Time-series data via API from Scenario Explorer infrastructure (<https://software.ece.iiasa.ac.at/ixmp-server/>)
- Scenario time-series data downscaled to country level (Sferra et al.,)

Most recent spatial datasets and indicators

- Spatial data building on Global Hotspots Explorer framework (<https://hotspots-explorer.org/>)
- Use of latest CMIP6 and ISIMIP3 climate data
- Broad range of indicators, including
 - Hydrology and water resources
 - Temperature and precipitation extremes
 - Energy demands (e.g., cooling)
 - Air quality (based on GAINS)
 - Land use and crop yields

Main website structure

Impacts explorer

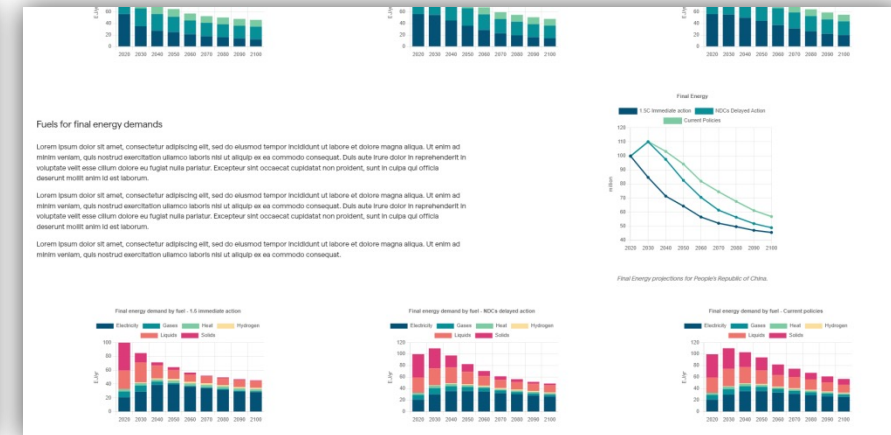
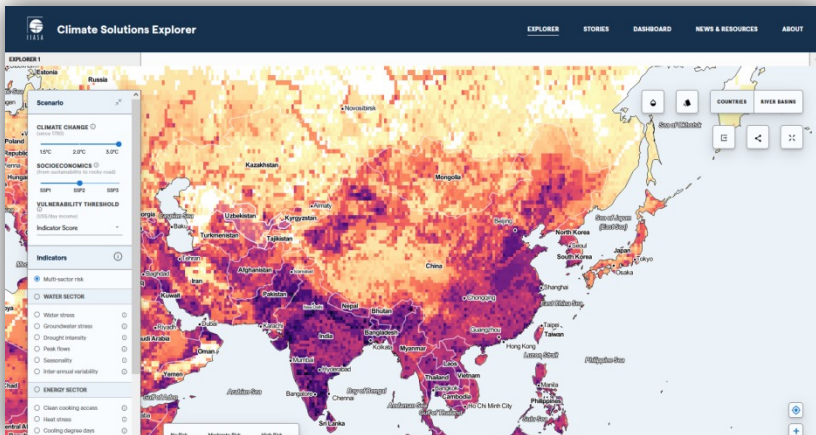
- Maps visualization of avoided impacts datasets

Net-zero stories

- Interactive articles / e-policy briefs with maps and charts on key topics

National Dashboards

- Interactive dashboards for every* country



* More for some, less for others