PRODUCTS OF THE UK-SSPS PROJECT

Introduction

The UK-SSP project has developed shared socioeconomic pathways (SSPs) for the UK, to help answer key questions about the country's resilience to climate change.

On this page you will find:

- UK-SSP narratives & systems diagrams
- Semi-quantitative trends
- Quantified projections
- Interface for exploring and accessing UK-SSP products
- Relevant publications

View an infographic overview of the project

Cookies are used to ensure you get the best experience on our website. Leave site

MORE INFO   **GOT IT!**

UK-SSPs - overview of products

UK-SSP narratives & systems diagrams

Fact Sheets

Scenario Fact Sheets containing a detailed narrative and system diagram for each of the five UK-SSPs can be viewed by clicking on them below:

UK-SSP1:   **Sustainability**

UK-SSP2:   **Middle of the Road**

UK-SSP3:   **Regional Rivalry**

UK-SSP4:   **Inequality**

UK-SSP5:   **Fossil-fuelled Development**

Systems diagram videos

Video animations for each of the five scenarios of the UK-SSP project can be watched on YouTube below:

UK-SSP1 – Sustainability

UK-SSP2 – Middle of the Road

UK-SSP3 – Regional Rivalry

UK-SSP4 – Inequality

UK-SSP5 – Fossil-fuelled Development

Semi-quantitative trends

This document provides semi-quantitative trends for 50 socio-economic variables within each UK-SSP. Trends are categorised into seven categories (very strong increase, strong increase, slight increase, no change, slight decrease, strong decrease, very strong decrease) across three time periods up to 2100.

Download the data: https://www.ukclimateresilience.org/wp-content/uploads/2021/06/UK-SSPs-Tables-of-Semi-quantitative-Trends.pdf

Quantified spatial projections

User Manual

Download the user manual for quantifies spatial projections: https://www.ukclimateresilience.org/wp-content/uploads/2021/06/UK-SSPs_Quantification-of-Scenarios_User-Manual_FINAL_Website-version.pdf

Cookies are used to ensure you get the best experience on our website. Leave site

Database of Socioeconomic Projections

MORE INFO   GOT IT!

This database includes detailed quantified projections for 25 key socioeconomic variables within each UK-SSP. Projections are available at various spatial resolutions, ranging from 1km level to UK total, depending on the variable in question.

Download the database through the link here: <u>Met Office – Socioeconomic projections – OneDrive (sharepoint.com)</u>

Opensource Tool for Regridding Data

This tool provides access to essential python libraries for geospatial analysis (e.g. Geopandas, shapely, and pyproj). It provides a workflow to take the quantified projections data and interpolate/aggregate the data to specified output grids.

Download the tool: <u>https://cambridgeeconometrics-my.sharepoint.com/:u:/g/personal/js_camecon_com/Ebg-A4TU1qlEm4CvEUy8Ti4BpLZ46wKUuJRFCB_Tsy6a1w</u>

Interface for exploring and accessing UK-SSP products

The various products detailed above can also be accessed through an interface for each UK-SSP. The interfaces allow for easy exploration of each scenario, including scenario narratives, descriptions of key socioeconomic drivers, links between drivers, downloadable data and maps. Click below to access UK-SSP1, from which you can also access each of the other UK-SSPs. (Clicking on 'Full screen insight' expands the view.)

Publications

The paper below describes the UK-SCAPE versions of the UK-SSPs that the UKCR project has further extended spatially, temporally and sectorally.

Pedde, S., Harrison, P., Holman, I., *et al.* 2021. Enriching the Shared Socioeconomic Pathways to co-create consistent multi-sector scenarios for the UK. *Science of the Total Environment,* Volume 756, 143172.

Funding

The project is commissioned by the Met Office and is funded by the UK Climate Resilience Programme. It is carried out by Cambridge Econometrics in collaboration with the UK Centre for Ecology & Hydrology (UKCEH), University of Edinburgh and University of Exeter. The development of the UK-SSPs built upon work carried out by UKCEH's UK-SCAPE Programme delivering National Capability.

NEWS & EVENTS

Last updated November 2021

Here are the latest news articles and events from the UK Climate Resilience Programme.

VIEW ALL

Cookies are used to ensure you get the best experience on our website. Leave site

MORE INFO   GOT IT!

6th November 2021

NEW EMBEDDED RESEARCHER COHORT ANNOUNCED

The UK Climate Resilience Programme is pleased to announce a second cohort of projects have been awarded through the Embedded Research fund with UKRI. Eight awards were made from a total fund of £440,000. The...

READ MORE →

COP26 CLIMATE RESILIENCE EVENTS RELATED TO UKCR PROJECTS

Friday 5 November (1-2 pm GMT): Tracking a moving target: How to measure progress and policy effectiveness in adapting to climate change Register to attend: https://oecd-events.org/cop26/session/451a6605-f027-ec11-ae72-a04a5e7d345e The UK Department for Environment Food and Rural Affairs (Defra)...

READ MORE →

COP CLIM CAR

Wedne 19.00 Pavilio https:/ Even i for the by buil

READ M

‹   ›

Sign up for the latest UK Climate Resilience Programme updates and news

Your Name

Your Email

→

I agree to receiving news and updates from the UK Climate Resilience Programme

FURTHER CONTENT

About

Funding opportunities

Champions

The Science Plan

GET IN TOUCH

Meet the Team

Contact Us

Privacy Policy

SUPPORTED BY

Cookies are used to ensure you get the best experience on our website. Leave site

MORE INFO   **GOT IT!**

Copyright © 2021 UK Climate Resilience Programme. All Rights Reserved.

Website by