

## **Surface Temperature Change in 2050 SSP1 SSP5 (Fossil-fueled Development)**

An international team has built a range of new "pathways" that examine how global society might change over the next century. They are collectively known as the "Shared Socioeconomic Pathways" (SSPs). NOAA has created several fully coupled climate and Earth system models that can use the SSPs to glimpse into the future. In this scenario, the push for economic and social development is coupled with the exploitation of abundant fossil fuel resources and the adoption of resource and energy-intensive lifestyles around the world.



