

A national digital environmental health decision support platform

NGIS collaborated with FrontierSI and other stakeholders to design and develop the Strategic Planning Digital Twin Project a prototype to provide timely access to national environmental health indicators and insights into populations most at risk.

The challenge

Currently there is no national digital representation of environmental and health indicators at a local level, to enable policy makers, health managers and researchers to identify vulnerable populations, predict future disease burden and plan for a changing climate in a coordinated, timely manner.

The solution

The AusEnHealth Platform is a map driven visualisation platform that leverages Big Query and Google Maps to provide access and analysis to national environmental health indicators including climate risk, heat risk and air quality.

The result

Building a pilot digital twin has opened new ways of working with health data for the creation and supply of high-quality environmental exposure and health indicators. The health data will inform and allow policy makers, health managers and researchers to find vulnerable populations, predict future disease burdens and plan for a changing climate.

“ NGIS’s contribution to the development of the AusEnHEalth demonstrator was invaluable to the project. Their up to date knowledge of data integration technologies enabled the team to trial new ways of accessing data into the platform. Their experience in understanding end-users was also critical to the identification of priority use cases and how users will ultimately want to use the platform. ”

Paula Fievez, Chief Business Officer, FrontierSI, AusEnHealth Project Director



About FrontierSI

FrontierSI is a not-for-profit company that exists to deliver major benefits to governments, industry and the community in Australia and New Zealand

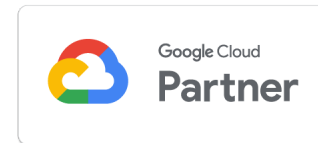
Vertical/horizontal solution: Healthcare & Life Sciences

Primary project location: Australia



About NGIS Australia Pty Limited

NGIS is a dedicated Geospatial company providing a centre of excellence for Google Geo products including Earth Engine, Google Maps, and Big Query



Products

Google Maps Platform

Professional Services Organization