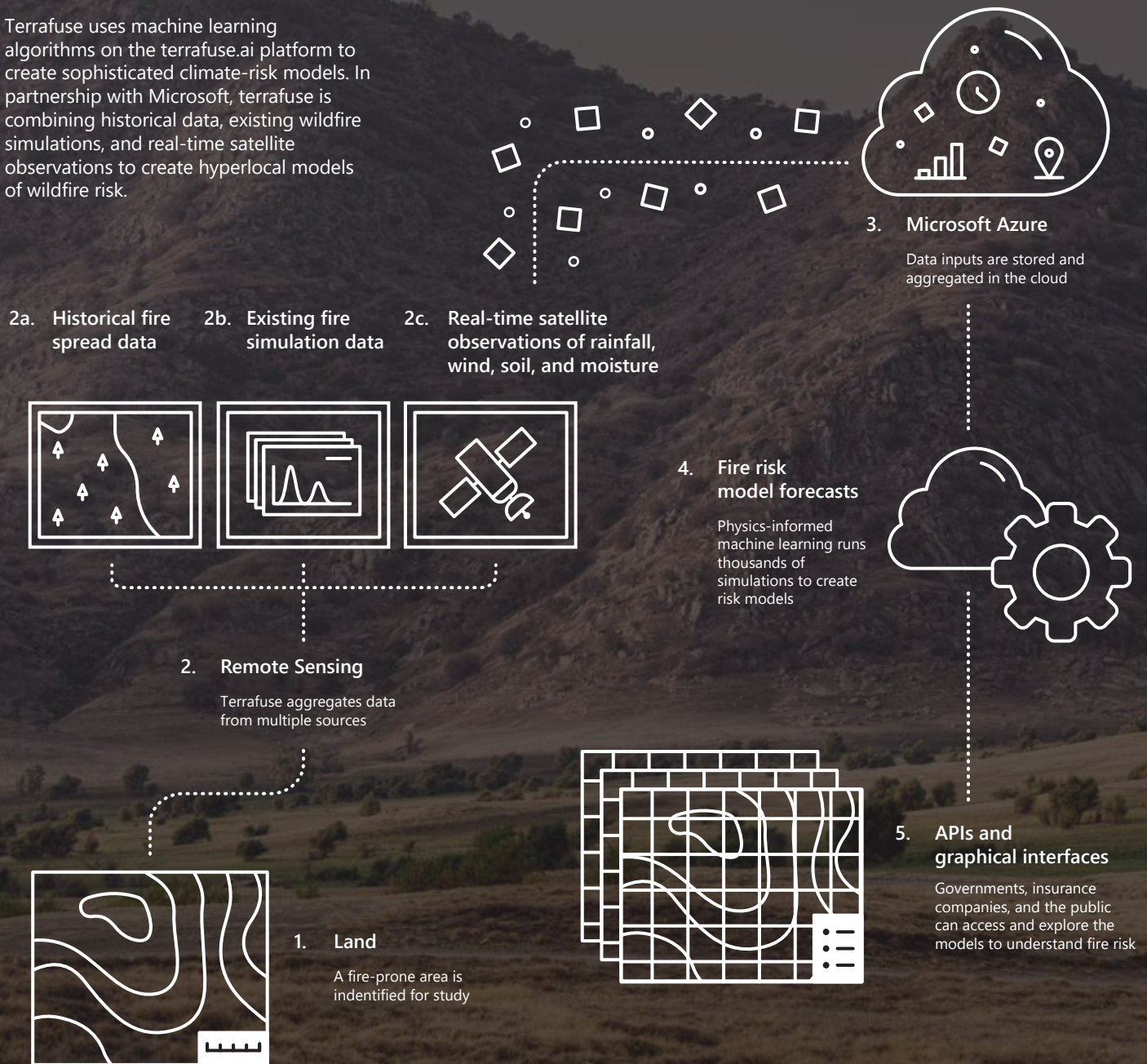


Terrafuse

Terrafuse uses machine learning algorithms on the terrafuse.ai platform to create sophisticated climate-risk models. In partnership with Microsoft, terrafuse is combining historical data, existing wildfire simulations, and real-time satellite observations to create hyperlocal models of wildfire risk.



Challenge

In October 2017, wildfires devastated Northern California, burning 245,000 acres and 8,900 buildings. They were the costliest wildfires ever, including \$11 billion in insured losses. With so much on the line, government agencies, insurance companies, and the general public need a way to accurately forecast and understand wildfire risk at any given location.

Solutions

Terrafuse is building technology infrastructure on Microsoft Azure to rapidly forecast wildfire risk at the hyperlocal level, starting in areas affected by the 2017 California wildfires. By combining historical fire data with existing physical simulations and real-time satellite observations, terrafuse is building sophisticated fire risk models that will be made available via APIs and graphical interfaces to anyone interested in mitigating the effects of wildfires.

Agriculture

Water

Biodiversity

Climate change