

LiveAi

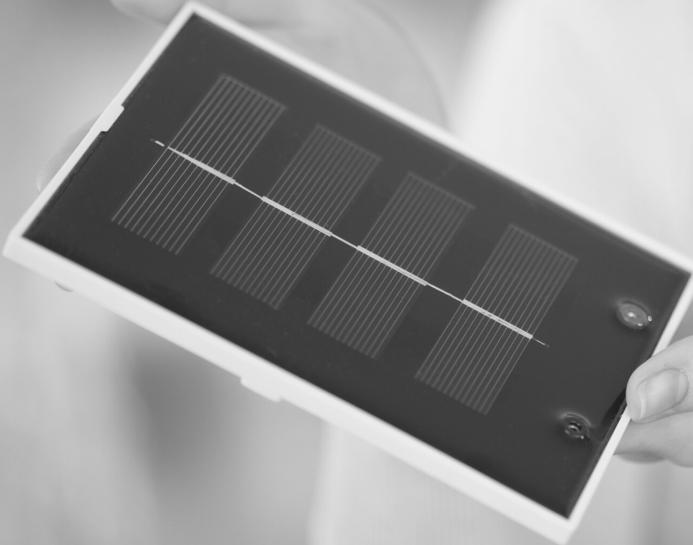
HIVE PROJECT JUA

FIGHTING CLIMATE CHANGE
WITH SUSTAINABLE AI

APPLIED AI PROJECT



CLIMATE AI



PROJECT CAELI

Between 2010 and 2017, 33 European Environment Agency (EEA) member countries suffered an annual average economic loss of approximately EUR 13 billion (based on 2017 Euro values) due to weather and climate-related extremes.

This loss figure is a conservative estimate ignoring critical aftermath like loss of human life. 90325 casualties were registered between 1980 and 2017, and the cumulative loss was around EUR 453 billion (based on 2017 Euro values) out of which only 35% were insured. To summarize the net economic impact, it was approximately 3% of the 2017 GDP of all EEA member countries.

In 2019, climate change contributed to extreme weather events causing at least \$100 billion in damages. A 2017 survey of independent economists looking at the effects of climate change found that "estimates for future damages rang[e] from 2% to 10% or more of global GDP per year.

By 2050, economic impact from climate change will be \$8 trillion, impacting all economies globally- Wikipedia

As part of our Climate AI project **CAELI**, you will develop an image processing and computer vision techniques to analyze the health of Solar photovoltaic (PV) systems, develop a model and build a cool UI for eg: a healthcheck app.



CORPORATE OFFICE
9406 ASSEN, DRENTHE
THE NETHERLANDS
CONTACT@LIVEAI.EU

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