



Climformatics Inc.

CAPABILITIES STATEMENT

(1) Predict Localized Near to Long Term Climate at your desired location, time scale and your line of business one year ahead to help, **Prepare** Proactively for seasonal to annual operations of your business and hence, and **Protect** your business from unforeseen extreme climate risks.

(2) Custom Climate Modeling of city/county, urban climate risks, heat stress, demand forecasting, impact assessment and proactive risk mitigation, to build long term sustainability & resilience.

CORE COMPETENCIES

Actionable, Climate-Smart Proactive Risk Resilience

Climformatics fills the critical gap between short-term weather alerts and long-term climate projections. For utilities, energy companies, and risk managers, Climformatics delivers hyper-localized (4km resolution), Climate physics-informed AI predictions spanning one month to one year for

- fire weather, severe fire danger index
- heat stress index
- solar/hydro capacity (including hourly day ahead solar power & cloud cover)
- energy usage, and demand forecasting

Our products enable your business to move beyond reactive measures, providing the proactive operational logistics and strategic planning required to mitigate extreme climate risks at a daily, seasonal, or annual scale.

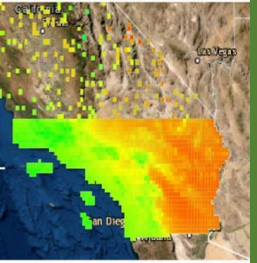
Core Product and Services Suite

ClimEnergy™ | Demand & Net Load Forecasting : Our flagship portfolio for the energy sector, **ClimEnergy™**, provides **ClimAlert™** - AI-driven forecasts for heat stress index events, power outages, **ClimSolar™** - net load and renewable capacity generation This solution enables utilities to anticipate demand surges and manage the "Duck Curve" with high-accuracy, day-ahead to year-ahead visibility into localized solar and hydro-power capacity. By integrating these "climate-smart" predictions, operators can optimize power purchasing and enhance grid stability.

ClimPrepare™ | Wildfire Risk Intelligence : Developed in collaboration with **CAL FIRE** and funded by the **CEC CalSEED Award**, **ClimPrepare™** is a predictive risk assessment tool for wildfire mitigation. It delivers seasonal localized metrics, including the Severe Fire Danger Index (SFDI) and Burn Index (BI), allowing utilities and disaster response teams to strategically prioritize vegetation management and harden critical

CLIMFORMATICS

PREDICT
PREPARE
PROTECT



Company Snapshot

Established: 2015

EIN: 81 1289200

CAGE: 8DFM6

DUNS: 067197666

UEI: NKYMGLBHGGQ9

SBC Control ID: SBC_001582873

Accept Credit

Pertinent Codes

NAICS:

541990 – All Other Professional, Scientific, and Technical Services

541690 – Other Scientific and Technical Consulting Services

541715 – Research and Development in Physical, Engineering and Life Sciences

UNSPSC

77101500 (Env. Mgmt Services - Env. Impact Assessment)

77102000 (Env. Mgmt Services - Env. Reporting)

81150000 (Earth Science Services - Meteorology)

Contact

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www.climformatics.com

[Climformatics LinkedIn](#)

infrastructure months before high-risk periods occur.

ClimAg™ | Smart Irrigation & Hydrology: ClimAg™ utilizes proprietary precipitation and soil moisture modeling to optimize agricultural and water management operations. By predicting localized water availability months in advance, it helps farmers and water utilities automate irrigation schedules and align pumping operations with low-cost, high-solar generation windows.

ClimPrecip™ delivers highly accurate seasonal precipitation forecasts up to a year in advance (**including 8-Station Index forecasting for Northern Sierra**), empowering infrastructure operators and agricultural enterprises to proactively mitigate riverine flood risks and optimize water-dependent operations such as hydropower generation and irrigation.

DIFFERENTIATORS

Formerly at Lawrence Livermore National Laboratory, we bring 40 years of combined experience in Climate Science, Climate and Weather Modeling, Data Science and Risk Modeling to accurately predict the climate, solar/hydro capacity, fire-weather, heatstress, energy demand one year ahead. As a women owned business, we work through the lens of justice, equity, diversity and inclusivity in our mission, vision, policies, processes, and partnerships.

KEY CLIENTS

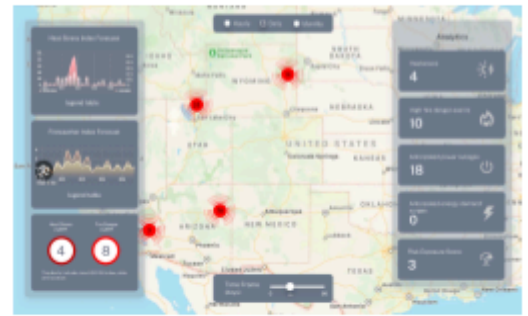
Arctic Ice Project (AIP) formerly Ice911; CEC CALSEED 2022, 2024 awards; Umida AG, Sonoma Clean Power CCA, CAL FIRE, WattWise, Xcel Energy

PERFORMANCE

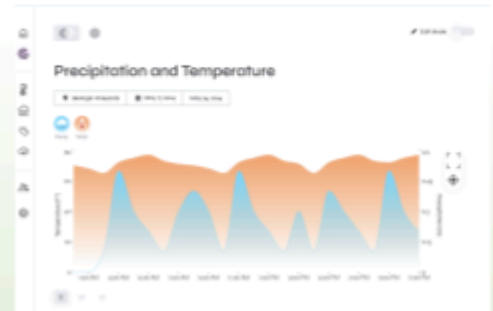
Climformatics has secured several notable contracts and awards, demonstrating its diverse capabilities in climate and weather modeling. This includes:

- **Syngenta:** Invitation to an RFP for global seasonal weather forecasting in June 2022.
- **California Energy Commission (CEC):** \$150,000 CalSEED Concept Award (06/2022-05/2023) for fire-weather prediction for wildfire risk mitigation (**CAL FIRE**) in energy grids, \$500,000 CalSEED Prototype award (02/2024-08/2025) for an early alert warning system for climate risks to utilities.
- **Department of Energy (DOE):** \$30,000 American made Solar Prize 'Ready' Award for solar power forecasting, \$75,000 Digitizing Utilities Phase 1 award with **Xcel Energy**.
- **Climate Modeling Contracts (Sea Ice Albedo Enhancement):** Arctic Ice Project (AIP): Over \$271,000, Ice911 Research: Over \$162,000.

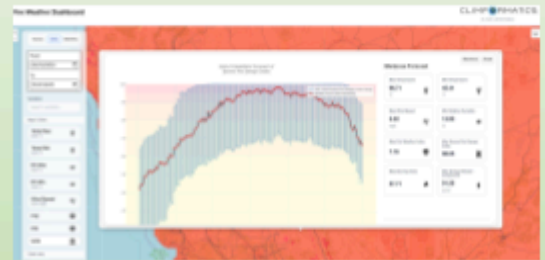
Climformatics regularly presents research at AGU and publishes in peer-reviewed journals.



ClimEnergy™



ClimAg™



ClimPrepare™



Bios



Dr. Subarna Bhattacharyya
Chief Executive Officer & Co-Founder
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Engineering Mechanics, MSc.(Eng)
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Specializes in Climate Data Science,
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Scientist in premier institutions around
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