

[Climformatics Website](#)

[Climformatics LinkedIn](#)

Climformatics Product Demo videos:

[ClimPrepare Fire Danger Prediction Demo](#)

[ClimAlert Early Alert System Dashboard Demo](#)

[Solar powered Green Irrigation system demo](#)

Articles in Media and Press about Climformatics:

- [Climformatics Profile on Darcy Partners](#)
- [Triangle IP Inc.](#) Post on LinkedIn
<https://www.linkedin.com/feed/update/urn:li:activity:7395172449077596160/>
- CBS news:
<https://www.cbsnews.com/sanfrancisco/news/bay-area-group-presents-ai-platform-that-predicts-wildfire-risk-to-pg-e/>
- <https://www.linkedin.com/feed/update/urn:li:activity:7382192322354081793/>
- PG&E Post: <https://www.linkedin.com/feed/update/urn:li:activity:7380662039293308928/>
- UN panel talk:
<https://www.linkedin.com/feed/update/urn:li:activity:7383703638059315200/>
- The recent United Nations Special Report on Technology for Disaster Risk Reduction includes an article on Climformatics technology (Pages 60-64). Here is the link.
<https://www.undrr.org/publication/special-report-use-technology-disaster-risk-reduction>
- [Recent CALSEED article on Climformatics:](#)
<https://calseed.fund/climformatics-forecasting-for-a-resilient-clean-energy-future/>
- Subarna Bhattacharyya's invited talk at Zoological Survey of India (57 minutes 42 seconds onwards) on July 2, 2025
<https://www.youtube.com/live/W1hig4nKUVQ?si=TAJaqsNgDaCt9-Ea>
- [LA Resilience Rebuilding cup Semifinalist](#)
<https://www.linkedin.com/feed/update/urn:li:activity:7353481557514375169/>
- <https://www.youtube.com/watch?v=LSVQzzZsVWw> (CleanStart talk Feb 6, 2025)
- https://www.youtube.com/watch?v=I_OpBdOVA5Y (Wildfire Prevention Consortium talk Feb 5 2025)
- <https://www.herox.com/DigitizingUtilitiesRound2/update/6954>
- <https://www.linkedin.com/feed/update/urn:li:activity:7071956016644456448/>
- <https://www.newenergynexus.com/blog/6-startups-that-could-shape-californias-clean-energy-transition/>
- <https://greenlining.org/2023/calseed-equitable-clean-energy-transition/>

- Audible Podcast: [Creating Models of Risk Assessment In a Unique Way: Subarna Bhattacharyya of Climformatics Dec 27 2021](#)
- 2022 Climate Realty Podcast: [Changing the climate. Subarna Bhattacharyya & Detelina Ivanova](#)
- Subarna Bhattacharyya Invited to speak in the Spotlight panel of Silicon Valley InsureTech Accelerator, alongside California Insurance Commissioner, June 2019, South San Francisco [SVIA Spotlight Insurance panel featuring California's Insurance Commissioner](#)
- 2021 Washington Core Article: <https://www.wcore.com/climformatics-forecasting-services-for-business/>
- <https://www.wencal.org/spotlights/2020/09/subarna-bhattacharyya/>
- <https://readtheimpact.com/making-climate-based-business-decisions-a-year-in-advance/>
- <https://leadingcities.org/accelicity2021/3e92c87d-25a3-40cc-a888-1ba2843e1b78>

Recent Conference and Peer Reviewed Publications:

[Ivanova et al 2025, Fram strait—possible key to saving arctic ice](#), Frontiers in Climate

[Ivanova et al 2026, Evaluating the impacts of localized artificial enhancement of sea ice albedo over Beaufort Gyre towards restoring Arctic Sea Ice](#), Cold Regions Science and Technology

American Geophysical Union (AGU) presentations:

Divyam Goel, Ryan Lim, Luka Cheney, Arzhang Valadkhani, Megha Raj, Nirvik Sen, Detelina Ivanova, Subarna Bhattacharyya, 2023, Localized Climate Predictions for Proactive Wildfire Risk Mitigation, AGU 2023 Fall Meeting Poster

Ivanova D., Bhattacharyya S., Strawa A., Kusunadi E., Kim J., (2023). Evaluating the effectiveness of artificial sea ice albedo enhancement in the Beaufort Gyre in restoring multi-year Arctic sea ice and Arctic regional climate. AGU Fall meeting 2023 Poster

Jacob Kim, Ethan Kusunadi, Claire Liu, Megan Mehta, Detelina Ivanova, Subarna Bhattacharyya, Anthony Strawa, and Leslie Field, (2023), Evaluating the effectiveness of artificial sea ice albedo enhancement in the Beaufort Gyre for mitigating the risk of wildfires in Europe and North America. AGU Fall Meeting 2023 Poster

Ivanova, D., Bhattacharyya, S., Strawa, A. W., and Field, L., (2022), “Impacts of localized artificial enhancement of sea ice albedo in two Arctic Regions for the Climate in Europe”, AGU Fall Meeting 2022 Chicago, Poster 2022AGUFMGC21B-04. AGU Fall Meeting 2022 Poster

Bhattacharyya, S., Ivanova, D. (2017). Scientific Computing and Big Data Analytics: Application in Climate Science. In: Mazumder, S., Singh Bhadoria, R., Deka, G. (eds) Distributed Computing in Big Data Analytics. Scalable Computing and Communications. Springer, Cham.
https://doi.org/10.1007/978-3-319-59834-5_6

Posters at University of California’s Data Science Discovery Symposiums:

December 2023,

Machine Learning Models for Arctic Climate Restoration:

Build Machine learning model which can predict the ice cover changes given certain albedo perturbation

Leading Researchers: Dr. Detelina Ivanova, Dr. Subarna Bhattacharyya, Dr. Leslie Field

UC Berkeley Student Researchers: Socrates Osorio, Augustin Tsang, Jerry Jia, Qingyi Fang, Joe Zhou

May 2023:

Impacts of Localized Artificial Enhancement of Sea Ice Albedo in the Arctic for Fire-Weather Worldwide

University of California, Berkeley Data Discovery Program Authors: Ethan Kusnadi; Claire Liu; Jacob Kim; Noor Wahle; Megan Mehta; Ningyu Gao

Climformatics, Inc. Mentors: Detelina Ivanova, PhD; Subarna Bhattacharyya, PhD;

Dec 2022:

Machine Learning Models for Arctic Climate Restoration

Leading Researchers: Dr. Detelina Ivanova, Dr. Subarna Bhattacharyya, Dr. Leslie Field

Student Researchers: Jerry Jia, Qingyi Fang, Joe Zhou

Build Machine learning model which can predict the ice cover changes given certain albedo perturbation

Beaufort Gyre Treatment

Lead Researchers: Dr. Detelina Ivanova, Dr. Subarna Bhattacharyya, Dr. Leslie Field

Student Researchers: Kwanseok Kim, Ethan Kusnadi, Jeonghyun Lee

American Geophysical Union (AGU) 2022 presentation:

<https://agu2022fallmeeting-agu.ipostersessions.com/Default.aspx?s=2B-AA-52-3C-7C-D8-14-4C-58-8D-43-90-0F-84-8C-D4>

AGU 2021 presentation

<https://youtu.be/qKnltKjQ5f0>

AGU 2020 Presentation

<https://www.youtube.com/watch?v=qKnltKjQ5f0&t=7s>

UN COP 26 presentation

<https://www.youtube.com/watch?v=K2wyV9Up2FU&t=7s>

Earth's Future 2018 Journal Article

Increasing Arctic Sea Ice Albedo Using Localized Reversible Geoengineering,

L. Field, D. Ivanova, S. Bhattacharyya, V. Mlaker, A. Sholtz, R. Decca, A. Manzara, D. Johnson, E. Christodoulou, P. Walter, K. Katuri, [DOI:10.1029/2018EF000820](https://doi.org/10.1029/2018EF000820)