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Benefitting people and society

Prediction of **climate** change and effect of mitigating solutions

Development of data-driven, next-generation climate models with the purpose of enabling robust predictions of climate change and prediction of the effect of mitigating solutions

Challenge

Challenge 2023 Workshop

On **Friday, 2 September 2022** the Novo Nordisk Foundation will host a workshop with the aim of bringing together the research community for an exciting day of knowledge sharing and networking, with the ambition to facilitate research partnerships and lay the seeds for realising creative solutions and new technologies within the 2023 Challenge theme:

Development of data-driven, next-generation climate models with the purpose of enabling robust predictions of climate change and prediction of the effect of mitigating solutions.

At the workshop there will be exciting invited and contributed talks as well as a poster session and participants can enjoy nice food and networking.

Workshop venue:
Novo Nordisk Foundation
Tuborg Havnevej 19, 2900 Hellerup

2023 Challenge: Prediction of climate change and effect of mitigating solutions
The Challenge is to develop data-driven, next-generation climate models with the purpose of enabling robust predictions of climate change and prediction of the effect of mitigating solutions. The aim is to significantly progress our understanding of the fundamental mechanisms of climate systems and consequences of climate change on a regional and/or global scale.

This Challenge bridges physics, data science, mathematics, atmospheric chemistry, the geo-sciences, engineering, and the life sciences in interdisciplinary collaborations. The successful research plan should include theoretical modelling rooted in, e.g., complex systems models, numerical simulations, and/or AI algorithms as well as a significant experimental component, e.g., data collection from ground- or ocean-based technology platforms, laboratory or fieldwork, and/or space-based active sensors to support, confirm and advance the generated models.

Sign up here ›

Programme

9.30	**Registration and coffee**
10.00	**Morning session (chair Kamilla Nørregaard)**
10.00	Welcome and introduction by Lene Oddershede, Professor, SVP
10.15	Keynote talk 1
11.00	2 invited and contributed talks
11.45	**Lunch and networking**
12.45	**Afternoon session (chair Morten Bache)**
12.45	Keynote talk 2
13.30	4-5 invited and contributed talks
15.15	Closing remarks
15.30	Reception, networking and poster session
17.00	Workshop ends

*Further information on the 2022 Challenge theme can be found **here.***