



Department of Physics  
University of Pisa

Dipartimento di Eccellenza, 2023-2027



## Ciclo di Seminari

Dipartimento di Fisica - Università di Pisa  
***Armi Nucleari, Disarmo, e Proliferazione***

**Sala Galilei, Edificio C, Dipartimento di Fisica & INFN**

*Lunedì 6/05/2024, 16:30 - 18:30*

***Climate Consequences of a Limited Nuclear Exchange***  
*Venance Journé, Laboratoire de Météorologie Dynamique, Paris*

Since the publication by Crutzen and Birks in 1982, the effects of a nuclear exchange have been studied by climatologists. With the improvement in computing and climate models, these effects can be now assessed in more detail, including global impacts on climate and on agricultural production. Different war scenarios have been studied, in particular a limited nuclear exchange. This presentation will report on recent results on the simulations using such a scenario.



**Dr. Venance Journé** (Thèse d'Etat in Particle Physics, 1984), is a researcher at the Laboratoire de Météorologie Dynamique in Paris-France. After 12 years as a researcher in high energy physics, she joined the International Center on Environment and Development in Paris, with a focus on socio-economic research on climate change and energy. Her research interests focus on the risks of nuclear energy, climate change. She is also now engaged in scientific mediation in climate and climate modeling issues. Since May 2021, she is an advisor to the French Economic, Social and Environmental Council. Since 1989, member of the Pugwash Conferences on Science and World Affairs. (Executive Committee 1992-2002 - Scientific Council since 2013).

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