

THE PHYSICS COLLOQUIUM

Thursday 8 December 2022, 4:00 p.m.
Nijenborgh 4, Lecture Hall 5115.0317 (Schröderzaal)

Villum Research Station (VILLUM) in North Greenland A multidisciplinary infrastructure in the high Arctic

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Latest results show that Arctic warming is processing four to five times as fast as the rest of the world. This phenomenon – generally called Arctic climate amplification - will have large consequences for the Arctic environment. We expect positive feedback effects on the Arctic itself, which may also affect natural emissions and physical, chemical and biological processes governing the Arctic climate.

Data on changes in the Arctic environment are scarce as this remote area is difficult to access and scientists are challenged as they are confronted with harsh conditions when carrying out experimental work. Villum Research Station (VILLUM) is a multidisciplinary platform in North Greenland and is the second-most northern, year-round manned atmospheric observatory in the world.



Foto: Bjarne Jensen

VILLUM is open for researchers from all natural-science based disciplines and offers unique possibilities for field campaigns providing a base, air and mobile camp (www.villumresearchstation.dk). Our department offers support for data and sample collection without your personal presence at the station and supports visiting researchers. I will like to present VILLUM to you and invite for a future collaboration fostering projects that contribute to the understanding of Arctic climate amplification.

Join us for coffee starting 3:30 p.m. Refreshments will be served after the lecture.

For more information contact the host: Uli Dusek (u.dusek@rug.nl)
Website: <http://www.rug.nl/research/vsi/colloquia/>