

# **Cosmic Dust: origin, applications & implications**



**Monday 11 June 2018 - Friday 15 June 2018**

**Geological Museum, University of Copenhagen**

## **Scientific Programme**

## What is dust?

Observational constraints on dust properties

Laboratory studies of cosmic dust

Molecules and dust

## The creation and evolution of dust

Dust production by massive stars and supernovae

Dust production in lower-mass stars

Non-stellar dust production and the dust cycle in the ISM

## Dust as a tool

Dust in the early universe

Dust as a probe in galaxies

Dust in AGN

Dust as a tracer in the Milky Way and local galaxies

## Dust in planet-forming disks

Grain growth and planet formation and debris disks

Dust in the Solar System