



KTH – Centre for Sustainable aviation

Research call 2022

Description of the call

KTH-Centre for sustainable aviation (CSA) hereby invites researchers to this call. The aim is, via these targeted research grants, to increase awareness, develop knowledge and methods that integrate noise aspects in research for sustainable aviation with the primary objective to reduce noise and annoyance from air traffic.

Proposals should be based on a clear question and include a description of the project relevance to sustainable aviation. For the current call, aspects of noise, annoyance or aero-acoustics are required but projects that in addition address a wider relation to sustainability in aviation are also considered.

The proposal should make clear how the project:

- Aims at research and innovation in the **areas defined below**.
- Considers **relevant stakeholders and interdependencies**.
- Can translate results into **applicable processes, tools or policies**.

Proposals for this call will have to specify which area or combination of areas below will be covered, and how the research addresses a problem by specifying one or more contributions and applications in short and in long terms. Proposals based on earlier projects in KTH CSA, should explain the link to the previous work and motivate the benefits of continued research.

1. **Air traffic management improvements (e.g. airspace, flight paths) aiming to reduce noise in the vicinity of airports while also considering other environmental stressors.**
2. **Aircraft noise exposure and effects on health (e.g. acoustics, psycho-acoustics, behavioural science and medicine).**
3. **Research on systemic challenges with impact on aircraft noise and annoyance (e.g. innovation, community collaboration, regulation and policy).**

Applicants

Companies, public organisations and universities are invited to apply. Each application must have a main applicant who is responsible and receives the grant. This is a national call and funds will only be given to Swedish actors.

Budget

This call has a total budget of 11,5 MSEK. Since project time is restricted to 2024, the resources are limited to a few post docs, or equivalent 2- year projects as well as a few smaller and shorter projects.

Call dates and project time

Call opens	2022-03-18
Call closes	2022-05-01
Decision announced	2022-09-01
Expected project end date	2024-12-31
Available funds	11,5 MSEK

Funding and project length

Funds can be applied for the actual project cost including over-head, equipment and travel. A post-doc position is funded for two full years. The projects are expected to be completed by the end of 2024. All extra costs beyond salaries must be explained and motivated. A maximum of 200 kSEK of the funds may be allocated to equipment connected to the project.

How to apply

A complete proposal is submitted to Swedish Transport Administration, Trafikverket (TRV), according to the instructions under the heading **“TRV-proposals for KTH-Centre for Sustainable Aviation”** below. All proposals will follow a common evaluation process lead by KTH CSA.

Evaluation process

The proposals will be evaluated and assessed in two stages. First, the scientific quality based on peer-review involving a group of independent experts. Secondly, the centre relevance and result utilization by the Swedish Transport Administration (TRV) and their partners. The reviewers will follow a pre-defined evaluation protocol where the main criteria are:

- Centre and call relevance
- Quality
- Feasibility
- Utilization
- Dissemination

The output from these assessments is compiled by the KTH CSA program committee and submitted to the KTH CSA board. The board then recommends projects to TRV. The final decision is taken by TRV.

Practicalities of grants

An approved project will receive a contract from TRV detailing the payments and reporting required¹.

Questions Contact Pernilla Ulfvengren, director CSA, 08-790 7840, pernilla.ulfvengren@indek.kth.se

TRV-proposals for KTH-Centre for Sustainable Aviation

Application forms and templates

Application forms are available through TRV website for research and innovation (see link below). Use the template for project specification “mall för projektspecifikation” and evaluation and dissemination “mall för utvärdering och lärande av FoI-projektet (ULF-modellen)” Link to TRV:

<https://bransch.trafikverket.se/for-dig-i-branschen/forskning-och-innovation/lamna-forslag-pa-forskning/>

Mark the application in the table with **your project name**. Projektspecifikation till FOI-portfölj should say **“Luftfartsportföljen”** and Hänvisning till avsnitt i Trafikverkets FoI-plan should say **”Forskningsanslag 2022, KTH Centrum för hållbar luftfart (KTH CSA)”**

Projektnamn	“Project name” (name of your proposal)
Projektspecifikation till FoI-portfölj	Luftfartsportföljen
Hänvisning till avsnitt i Trafikverkets FoI-plan	Forskningsanslag 2022, KTH Centrum för hållbar luftfart (KTH CSA)”

Application forms should be sent to trafikverket@trafikverket.se, on May 1st, 2022 (1/5-22). Write **”TRV 2022/ANSÖKAN CSA”** as the subject in the e-mail.