

Call Grand Solutions 2023

Green research, technology and innovation

Application deadline: 01/06/2023 12.00 CET

Project duration: 1-5 years

Total budget: Minimum 104,8 mill. DKK.¹

Investment per project: from 5 mill. DKK to 40 mill. DKK.

1. About the Grand Solutions Programme

The Grand Solutions programme invests in ambitious and preferably interdisciplinary research and innovation projects that can create new, specific solutions to important, politically prioritized societal challenges and create value throughout Denmark. To the extent possible, the Grand Solutions programme invests in projects that are carried out in close collaboration between research institutions and the business community or public off-takers of solutions, e.g. municipalities and regions. Innovation Fund Denmark encourages cross-disciplinary projects in all parts of the value chain - from basic strategic research to industrial research and development. For projects with main focus on development and demonstration the UDP-programmes from other ministries are recommended. Innovation Fund Denmark distributes the available funds in open competition between projects that demonstrate the greatest positive effect on climate, nature and environment while at the same time contributing to growth and employment in Denmark.

Read more about the Grand Solutions programme [here](#).

2. Aim of the call

Denmark must be frontrunner in green research and innovation, which contribute to maintain and create green jobs. Innovation Fund Denmark's investment within *Green research, technology and innovation* shall contribute to creating knowledge and technology that can ensure the course of the green transition towards a more sustainable society. This in order for Denmark to achieve the goals of the climate act of 70 percent reduction of greenhouse gas emission by 2030 and CO₂ neutrality by 2050, while at the same time having a positive effect on nature, environment and biodiversity.

As a follow-up to Denmark's green research strategy, Innovation Fund Denmark wants to invest in projects within "Green research, technology and innovation". For this purpose, minimum 104,8 mill. DKK is available for investment. The purpose of the investments within this area is to secure the greatest effect on climate, nature and the environment and contribute to growth and employment within the following seven themes:

- 1) Energy production, etc.
- 2) Energy efficiency improvement

¹ With the possibility of transferring funds from Innovation Fund Denmark's other programmes within the same theme. The potential transfer of funds can concretely result in an increased budget. The budget in this call is subject to the presentation and subsequent adoption of the Financial Act.

- 3) Agriculture and food production
- 4) Transport
- 5) Environment and circular economy
- 6) Nature and biodiversity
- 7) Sustainable behavior and societal consequences (cross-cutting)

For further details on the seven themes, please see links in section 5: “Guidelines and inspiration”. The projects can consider how to support the development of local business powerhouses (in Danish: “erhvervsfyrtårne”) (see link in section 5: “Guidelines and inspiration”)

The funds are distributed in open competition within the seven themes and projects can, for example, contribute to:

- Energy efficiency and research in development of smart integrated energy systems and sector coupling in the energy and distribution network.
- Intelligent utilization of digital technologies and solutions.
- Research and development within biosolutions, e.g. biobased ingredients and fermentation technology, industrial enzymes, biobased chemicals, bioased feed, plant- and seed selective breeding, bioenergy and biobased environmental technology.
- Green transition in the food and agricultural sector, e.g. development of new plant-based food.
- Cross-disciplinary projects that combine natural science and technological research with humanistic and social science that can contribute with valuable knowledge related to e.g. behavior, incitements, regulation and market.
- Sustainability and circularity in the whole value chain of the building sector and all phases of construction.
- Research in optimized production and manufacturing methods of materials for buildings, building technical and process solutions, digitalization, recycling and reuse of building materials, improved forms of collaboration that enhances productivity and develops new social and sustainable building types.
- To enhance more mixed and conjugated cities where people with common income can find affordable housing.

Note: For projects with strong focus on new technology, please also see the call on *Digitalization, technology and innovation – Production and work places in Denmark*.

3. Evaluation

The three overall decision criteria are:

- Quality of the idea – the quality of the research and innovation
- Impact – value creation during and after the project
- Quality of execution – efficiency in the project execution and the implementation of the results

Further information about the decision criteria can be found in the guidelines for Grand Solutions (see link in section 5: “Guidelines and inspiration”).

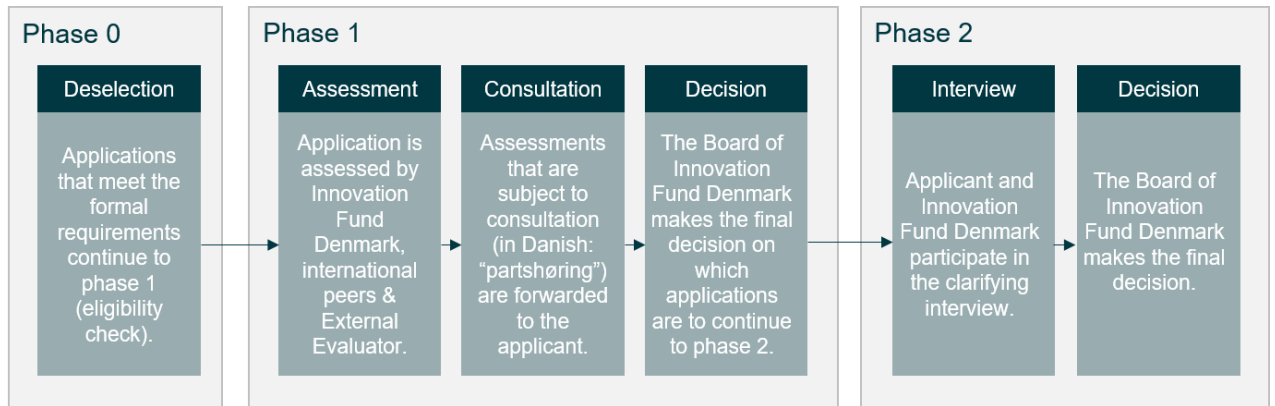
It is emphasized that key stakeholders of the project contributes to develop the project and participates in, or in other ways are directly involved in the project, e.g. through investment.

In addition to the three decision criteria, reference is made to the guidelines for Grand Solutions. The distribution of the funds originates from the current Finance Act and the agreement on the disposition of the Research Reserve (see links under section 5: “Guidelines and inspiration”).

4. The evaluation process

Applications to Grand Solutions must be submitted via www.e-grant.dk, which is the application portal of Innovation Fund Denmark. The call opens in e-grant on April 1st 2023 at the latest.

The evaluation process is described in detail in the guidelines for Grand Solutions and briefly outlined below.



Applicants are notified of the decision via www.e-grant.dk. E-grant has prepared a FAQ that can be accessed [here](#).

It is expected that the board of Innovation Fund Denmark will make the final decision in November 2023 after which the investment agreement can be initiated with an expected project start in the beginning of 2024.

5. Guidelines and inspiration

Applicants within this Grand Solutions call must take into account the following:

- [Guidelines for Grand Solutions](#)

The following can be used as inspiration to the application within the present Grand Solutions call:

- Finance Act 2023
- [Disposition of the Research Reserve 2023 \(in Danish\)](#)
- [UN's 17 Sustainable Development Goals \(SDG\)](#)
- [Link to local business powerhouses \(In Danish: "erhvervsfyrtårne"\) \(in Danish\)](#)
- [Green solutions of the future](#)
- [Seven Green themes \(in Danish\)](#)

6. Contact

Innovation Fund Denmark hosts regular webinars and Q&A on Grand Solutions where everyone is welcome to participate. Registration for upcoming webinars and Q&A sessions takes place via Innovation Fund Denmark's website [here](#) (scroll down to see upcoming events).

Frequently asked questions to Grand Solutions and related answers can be found on Innovation Fund Denmark's website [here](#).

6.1. Contact Information

For questions regarding formalities, Innovation Fund Denmark's Investment Officers may be contacted. In connection to this, please note that Investment Officers or other employees of Innovation Fund Denmark are not allowed to answer specific questions regarding projects or ideas.

The following Investment Officers may be contacted regarding questions to this Grand Solutions call:

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7. About Innovation Fund Denmark

Innovation Fund Denmark accelerates Danish research and innovation to solutions that strengthen Danish society's competitiveness and sustainability. We do this by investing in researchers, companies and entrepreneurs who create value, jobs and solve societal challenges - and by realizing potentials in the innovation system.

Innovation Fund Denmark wants to promote diversity in all its aspects. Therefore, all interested applicants, regardless of ethnicity, religion, gender identity, disability status, age or professional areas, etc., are encouraged to apply for the fund's programs.