

Guidelines

for

**Roadmaps for mission-
driven green research and
innovation partnerships
(Innomission-roadmaps)**

2021

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1. Introduction and reader's guide

1.1 About Innomissions

The purpose of Innovation Fund Denmark (IFD) is to advance research, development and testing of innovative solutions for the benefit of growth and employment in Denmark as well as to solve societal challenges. IFD therefore invests in projects across the entire value chain, from research to implementation.

Mission-driven green research and innovation partnerships (Innomission-partnerships) is an IFD instrument where IFD will invest in partnerships, which will accelerate the development of cutting-edge solutions ranging all the way from strategic coherent research to commercialization, with an equal focus on short-, mid- and long term impact.

In order to prepare for such Innomission-partnerships, roadmaps need to be specified, which will describe challenges and gaps within the mission, strongholds and potential and sketch key activities and relevant workstream themes for the future Innomission-partnerships. These Innomission-roadmaps form the backbone of the activities in the Innomission-partnerships.

IFD invites for Innomission-roadmap proposals in an open call process.

Subsequently, calls for Innomission-partnership applications will take place, also in an open and independent process. Thus, this Innomission-roadmap call seeks to assist IFD in designing the Innomission-partnership call and no funds will be granted as a result of a successful Innomission-roadmap proposal.

These guidelines are set out pursuant to the principles in Section 18 subsection 2 (1st sentence) of the Act on Innovation Fund Denmark no. 306 of March 29, 2014, as amended in Act no. 384 of April 26, 2017 and Executive Order no. 1150 on awarding of grants etc. by Innovation Fund Denmark of October 25, 2017.

1.2 Reader's guide and contact persons

The present guidelines set out the general rules and constraints applicable to the submission of a proposal for an Innomission-roadmap.

In addition to these guidelines, roadmap proposers will require:

1. The relevant call text describing the specific call for Innomission-roadmaps.
2. Guidelines for e-grant and overview of the electronic application form from e-grant.
3. Definition of TRL - Technology Readiness Level and of SRL - Societal Readiness Level.

The relevant documents are available to Innomission-roadmap proposers on the IFD website: [Link to relevant documents](#)

In case of queries concerning calls and guidelines, please contact the persons listed on the IFD website (please see link above).

In case of technical queries concerning use of the e-grant application system, please contact support.e-grant@ufm.dk or tel. + 45 33 92 91 90 (open 9.00-12:00 CET on weekdays).

2. Submission process

2.1 Who can submit a proposal for an Innomission-roadmap?

Any legal entity or legal entities (such as an enterprise(s), a research institution(s) or a public institution(s)) in, or outside, Denmark, can submit a proposal for an Innomission-roadmap. Such entity/entities are in these guidelines referred to as the “proposer”.

Innomission-roadmap proposers may subsequently apply for Innomission-partnerships. However, Innomission-roadmap proposers will not be given any priority by IFD in the evaluation of an Innomission-partnership application. Separate calls and guidelines for Innomission-partnerships will be published by IFD, please also refer to section 5 of the present guidelines.

In the event that an Innovation-roadmap proposal is accepted by IFD, in part or fully, proposers considering applying for a subsequent associated Innomission-partnership must be prepared that the Innomission-partnership call will be open for other and/or additional participants.

The person submitting the Innomission-roadmap proposal in the e-grant system will automatically be registered as the contact person for the Innomission-roadmap proposal. This can however be changed to another person via the application page in e-grant.

2.2 Decision criteria

An Innomission-roadmap should set an overall course towards a desired vision that identifies and selects strategic alternatives that can be used to achieve objectives – the aim is to create/combine roadmap(s) for each mission in order to align all activities to gain the necessary traction.

Innomission-roadmaps will be evaluated on their overall potential to provide a realistic and robust path towards achieving the goals of the mission. Moreover, the Innomission-roadmaps will be evaluated on their overall value creation potential for the Danish businesses and society including their potential for securing existing- and creating new jobs and export of solutions.

Innomission-roadmaps will further be evaluated on their ability to reach the key strategical goals of the specific mission, please see the relevant call text for further specification.

For the purpose of evaluating Innomission-roadmap robustness as well as the impact and value creation the below criteria are used:

- **Impact** - actual and potential contribution to the abovementioned goals and green objectives as well as the creation of new green industrial strongholds in Denmark:
 - Key points are strength of business model, scaling, strategy for financing, well-argued advancement in Technology Readiness Levels (TRL) and Societal Readiness Levels (SRL) etc.
 - Emphasis on potential impact by the Innomission-roadmap on each mission-goals (climate, nature, environment, sustainable economically green growth), by which method/standard they are measured, which trade-off decisions are made, and on how follow-up on these goals will be carried out.
 - Quantifying the collective impact of efforts, solutions and technologies proposed in the Innomission-roadmap on specific objectives – climate, nature, environment and growth.
 - Highlighting pathways to reach the overall aim minimising/considering negative side-effects or trade-offs along the entire proposed value chain.
 - Strengthen green transition competencies, capacity and interplay across the innovation ecosystem.
 - Addressing society challenges and engagement in the green transition.
 - Actions undertaken to ensure that beneficiaries implement the results or take the results to the next step and highlighting the economic, regulatory, technical and societal barriers for implementation and a strategy for overcoming these barriers.

- **Innovation** - moving beyond existing thinking:

- Special emphasis on the degree of innovation, and what the Innomission-roadmap proposes in order to retain and build upon existing ideas while being open for developing new ideas and approaches that give Denmark a competitive edge.
- The composition, strength, diverse and agile nature of the expected partnership is devoted special attention in the evaluation, and likewise the effective use of invested resources, risk management and effective decision-making.
- **Excellence** - challenges, needs, gaps, key questions met by Danish strongholds that cover the area of each mission:
 - Quality of research in the Innomission-roadmap is expected to be based on current and future Danish strongholds, with a clear global perspective and outlook.
 - Quality in relation to unmet needs, State of the Art and competing scientific, behavioural or technological solutions.
 - Emphasis is on prioritising efforts across the value chain back-tracking from a desired future vision, including description of possible trade-offs. The Innomission-roadmap should not be specific to one technology, but rather creating a playground where several technologies can compete.

Measuring value and impact

The character and goals of the Innomission-roadmaps are expected to be very different from mission to mission, however we expect a quantifiable assessment of value creation based on accepted standard methods. For example:

- description and argued assessment of CO₂-emission reduction incl. reference values at project activity start, cost reduction and efficiency improvement incl. reference values at project activity start.
- Net number and types of jobs created in DK, estimated growth numbers for potential partners involved, expected number of patents pending/granted, predicted change of current behavior/incentives/mindset, and of current directives/regulations to accelerate green transition.
- Attracting and developing talents needed to carry out the roadmap activities (DK/Intl. researchers within roadmap challenges/painpoint).
- Potential for attracting additional funding to the activities described in the roadmap (private, public funding potential).

2.3 Decision process

The IFD board of directors makes the final decision, based on input from national and/or international peers, on which Innomission-roadmap(s) will form the basis for the call for Innomission-partnerships within the area of each mission. The IFD board of directors reserves the right to edit Innomission-roadmaps, and merge two or more complementary Innomission-roadmaps, as well as selecting only elements from the submitted Innomission-roadmaps to be used for the call for Innomission-partnerships. Applying for Innomission-partnerships is not exclusive to the participants in preparation of the Innomission-roadmaps, it is open for all relevant partnerships.

3. Finances and budgeting

There is no grant or funding – or any advantage or otherwise – associated with an approval of a specific Innomission-roadmap proposal and IFD does not reimburse any expenses associated with preparing an Innomission-roadmap proposal.

Once Innomission-roadmaps have been processed and decided upon, the IFD Board of Directors will decide the budget available for the associated Innomission-partnership(s).

Also, it is the responsibility of the proposer to finalise the proposal submission before the deadline for the Innomission-roadmap call.

As a rule, IFD does not obtain additional information to process the proposal, except the additional information provided from external reviews.

The proposer is under obligation to notify IFD immediately in the event of any subsequent material changes affecting the information of the submitted proposal.

6.3 Technical disclaimer

The Danish Agency for Higher Education and Science, being responsible for e-grant, has a duty to notify system users of errors causing e-grant to be inaccessible to the point where it affects the proposer's access to submit a proposal by a given deadline.

Updates on any system disruptions will be posted here: [Link to E-grant operational status](#).

In extremely exceptional cases, IFD may extend the deadline for all affected proposers.

This will likewise be announced at [Link to E-grant operational status](#).

IFD and the Danish Agency for Higher Education and Science disclaim all and any liability for erroneous information ensuing from faults in software, computation errors, transmission faults and similar faults, and in respect of any claim for damages ensuing from incorrect use of e-grant.

6.4 Rectification of proposals

After the deadline of the call for Innomission-roadmap proposals it is not possible to rectify the content of the proposal aside from rectification of any personal data.

6.5 Rejection of proposals without substantive consideration

In the event of failure to comply with formal requirements or deadlines, the proposal may be rejected without substantive consideration.

6.6 Disclosure

IFD may publish a list of received proposals for Innomission-roadmaps including the identity of the proposers behind these proposals. IFD may also publish the content of the received Innomission-roadmap proposals. This will for instance take place in part, or fully, in connection with the announcement of Innomission-partnership calls for the/those particular Innomission-roadmap(s), which in part, or fully, constitute the basis for the respective Innomission-partnership calls.

Proposers should bear in mind that information may be disclosed in the event that an application is filed for access to information pursuant to the Danish Access to Public Administration Files Act ("Offentlighedsloven"). Access to information may, for example, be granted in the form of lists of who has submitted a proposal and for what purpose (proposer name(s) and title of proposal(s)).

6.7 Transfer of ownership of an Innomission-roadmap proposal

By submitting the Innomission-roadmap proposal the proposer automatically – without any form for compensation – accepts the unconditional transfer to IFD of the ownership of the Innomission-roadmap proposal. The transfer of ownership entitles IFD to use the proposal, fully or partly, for any purpose IFD may find useful including forwarding a proposal, fully or partly, to a government agency or private foundation for the purpose of obtaining gearing funding for a particular IFD Innomission-partnership call.

The proposer cannot withdraw this acceptance once the deadline for Innomission-roadmaps has been exceeded. Furthermore, it is the responsibility of the proposer that this acceptance does not cause any infringements of rights to the proposal.