

Heat planning



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At NIRAS, we see heat planning as a holistic process that involves a decisive participation of the actors, a data-based foundation of resources, production, consumption, and expected development, as well as an evaluation of the technical and economic feasibility of energy solutions.

NIRAS has extensive experience in the development of heat plans, district heating expansion, and decarbonization roadmaps, as well as the associated aspects:

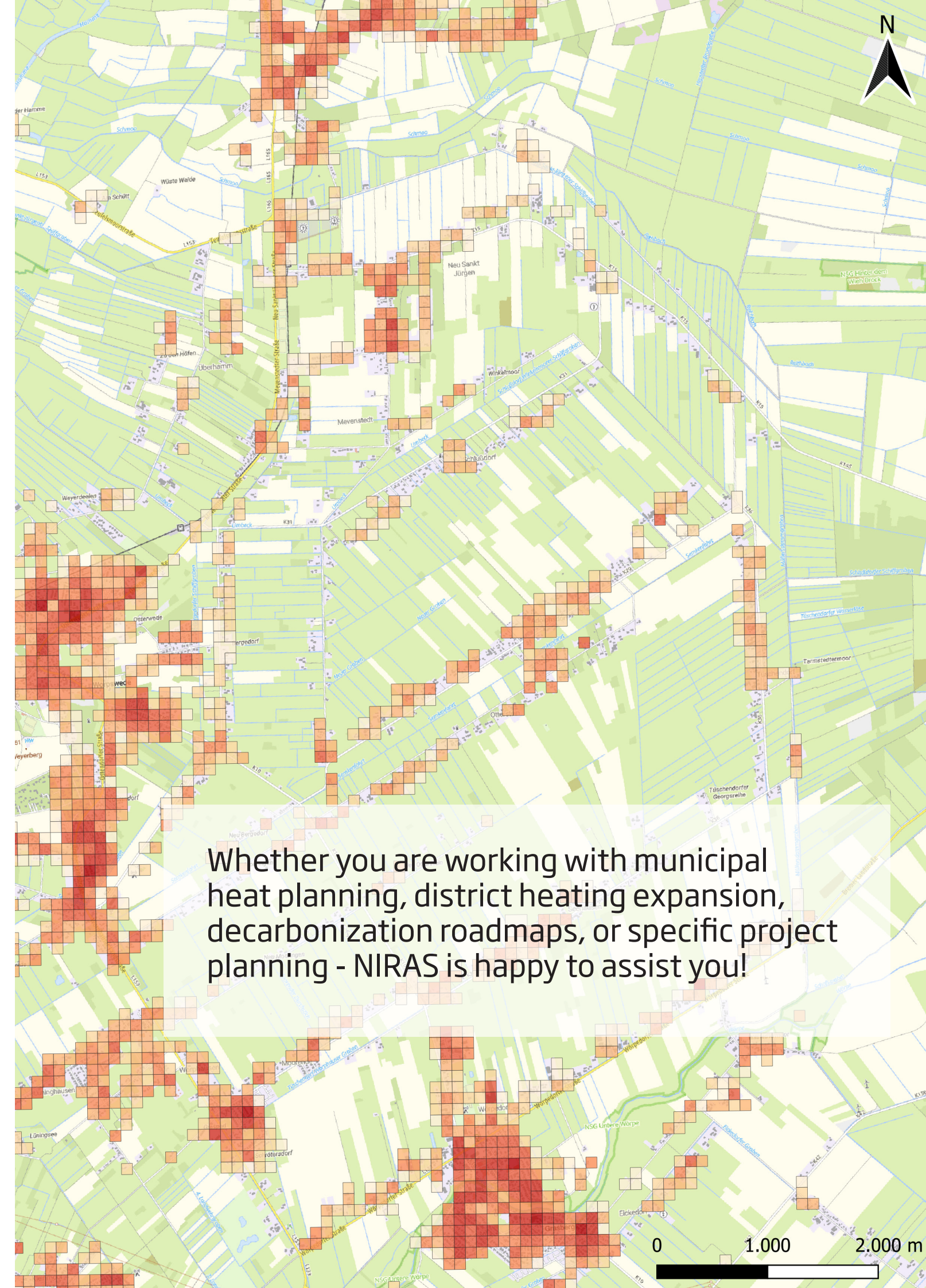
- Baseline analyses
- Potential analyses
- Development paths for target scenarios
- Implementation strategies

With roots in Denmark, NIRAS has since the 1980s gained extensive experience with consulting and establishing sustainable energy solutions at regional and municipal levels. At NIRAS, we work with all kinds of data, and this enables us to develop customized solutions without losing sight of climate policy goals or other specific conditions of the respective municipality. Through close cooperation with all participants, we strive to support our customers in transitioning to a sustainable and socially just heat transition.

In the context of planning, such as the development of power plant and district heating projects, NIRAS offers the following specific services to create a comprehensive decision-making basis:

- **Regulatory Dialogue and processing:** Support in regulatory discussions and obtaining necessary approvals.
- **Economic Calculations:** Calculation of the profitability of energy solutions for businesses and consumers.
- **Potential Screening:** Screening of focus areas based on heat density data.
- **Energy System Modeling:** Modeling of energy systems with the tool EnergyPro.
- **Scenario Creation:** Creation of various scenarios for evaluating energy options.
- **Feasibility studies:** Conducting cost-benefit analyses to evaluate the technical and financial profitability of energy solutions.
- **Decarbonization Potentials:** Identification and evaluation of decarbonization potentials.

Whether you are working with municipal heat planning, district heating expansion, decarbonization roadmaps, or specific project planning - NIRAS is happy to assist you!





NIRAS is a multidisciplinary planning and consulting company that is committed to sustainable progress world-wide. NIRAS works globally with a wide range of projects, from construction, process, and mobility projects to environmental, infrastructure, and energy projects. Our client group includes ministries, regions, municipalities, utility companies, as well as developers, investors, and NGOs.



Kasper Varn Qvist
Discipline Manager
+45 5339 7248
KAQV@NIRAS.DK



Rasmus Aaen
Market Director
+45 2125 5865
RA@NIRAS.DK