New Nordic ways to green growth (NOWAGG) project presentation
NOWAGG partners

• Aarhus University (DK) Dept. of Environmental Science
• Lund University (SE) Dept. of Political Science
• Luleå University of Technology (SE) Dept. of Economics
• University of Eastern Finland (FI) Dept. of Historical and Geographical Studies
• Fridtjof Nansen Institute (NO)
Objectives

• Improved knowledge basis for inclusive green growth
• How to upscale and disseminate the innovative decarbonisation and resource efficiency technologies that are becoming available
• Understand role of multi-actor networks of producers and entrepreneurs, locally and regionally
• Explore new forms of public and private cooperation to pool risks and obtain financing
• Identification of key bottlenecks in EU and national regulations
NOWAGG work packages

• WP1: Paradigmatic scenarios of green growth in the Nordic region
• WP2: Industrial renewal and innovation policy: The case of bio-economy transitions
• WP3: Mobilization of capital for green transitions: financing in a regional focus
• WP4: Transcending multi-level governance structures for green growth
• WPA: Communication and interaction with policymakers
• WPB: Management of the project
WP1: Paradigmatic Scenarios of Green Growth in Nordic Regions

- WP-leader: Annica Kronsell, Lund University; co-leader: Tuula Teräväinen-Litardo, University of Eastern Finland
- Objectives: To improve the conceptual underpinnings of green growth strategies, including of gender aspects
- Methods: Document analysis and interviews with key actors and policymakers in Nordic countries
- Outcomes: Bring green growth beyond the fiscal stimulus approach and conceptualize how innovative, resource-efficient and high-value commodities could make Nordic welfare states and regions more resilient and prosperous
WP2: Industrial Renewal and Innovation Policy: The Case of Bioeconomy Transitions

- **WP-Leader:** Patrik Söderholm, Luleå University of Technology; **co-leader:** Jamil Khan, Lund University

- **Objectives:** To improve our understanding of multi-level policy mixes critical to an increasing use of bio-based resources in the process industry

- **Methods:** Update on innovation network theory and empirical case studies of biorefinery development and policies in Nordic countries

- **Outcomes:** Take stock of key lessons with regard to collaborative processes in innovation networks
WP3: Mobilization of Capital for Green Transitions: Financing in a Regional Focus

- WP-leader: Mikael Skou Andersen, Aarhus University; co-leader: Patrik Söderholm, Luleå University of Technology

- Objectives: improved understanding of good practices for public-private interaction in limiting financial risks and scaling up green investments

- Methods: case-based ex-post analysis of financing related to green patents; fate of green and blue biomass utilization in disadvantaged Nordic regions

- Outcomes: identification of barriers and mitigation with successful financial de-risking instruments
WP4: Transcending Multi-level Governance Structures for Green Growth

• WP-leader: Jon Birger Skjærseth, Fridtjof Nansen Institute; co-leader: Annica Kronsell, Lund University

• Objectives: To identify bottlenecks in multi-level governance structures and options for resolving them

• Methods: regional analysis to explore interaction of green growth with climate-energy policies, strategic funds and market impacts of EU

• Outcomes: synthesis of all four WP’s, merging top-down and bottom-up perspectives, with suggestions for new governance structures (cf. NORDFORSK call)
Expected results of NOWAGG

- An improved conceptual understanding of the avenues of green growth that are opening up beyond the fiscal stimulus approach,
- Analysis of the options for a green new deal among stakeholders enabling a low-carbon transition in a Nordic context,
- In-depth analysis of the governing key actor networks at local and regional levels who influence on uptake of green technologies and their options as gate-keepers,
- Detailed insight into the processes regarding future bio-refineries as a basis for a sustainable industrial renewal of mature, export intensive industries with innovative value chains,
- Careful mapping of the experiences with 100 Nordic green patents and efforts to upscale and commercialize them,
- Insights into financing challenges in Nordic disadvantaged and brown regions relating to green and blue biomass based technologies,
- Options for improved cooperation between public and private actors in green financing, based on pooling of risks and new accounting principles,
- Identification of key bottlenecks in different EU and national policies that can paralyze local and regional initiatives,
- Improved understanding of governance mechanisms allowing for successful transitions in local pilot areas
NOWAGG participants

- Aarhus University (DK) Dept. of Environmental Science
- Lund University (SE) Dept. of Political Science
- Luleå University of Technology (SE) Dept. of Economics
- University of Eastern Finland (FI) Dept. of Historical and Geographical Studies
- Fridtjof Nansen Institute (NO)
Funding

with co-funding from:
Academy of Finland
Danish Agency for Science and Higher Education
Formas, Sweden
Norwegian Research Council
Rannis, Iceland
Swedish Energy Agency
Swedish Research Council
Tekes, Finland
Vinnova, Sweden
Thank you!

http://nordicway.org/