

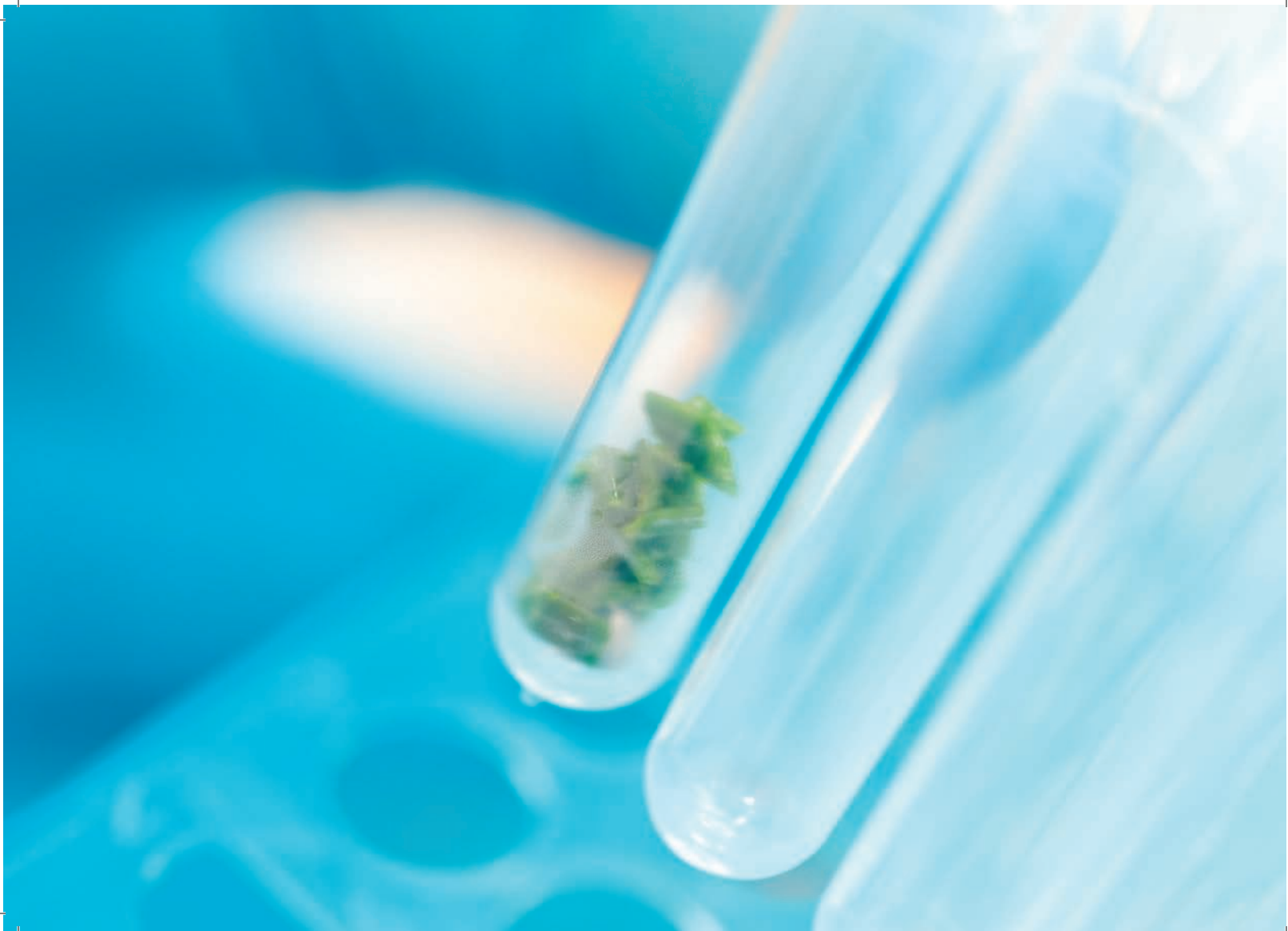


NIBIO

NORWEGIAN INSTITUTE OF
BIOECONOMY RESEARCH

KNOWLEDGE FOR LIFE





NIBIO – NORWEGIAN INSTITUTE OF BIOECONOMY RESEARCH

NIBIO is to contribute to food security and safety, sustainable resource management, innovation and value creation through research and knowledge production within food, forestry and other biobased industries.

NIBIO is to become the leading national center for the development of knowledge within the field of bioeconomy. This includes food and plant production, environment and climate, mapping, land use, genetic resources, forestry and industrial and social economy. The Institute will deliver research, governmental support and knowledge for use in national preparedness, as well as for businesses and the society at large.

NIBIO - Norwegian Institute of Bioeconomy Research was established July 1 2015 as a merger between the Norwegian Institute for Agricultural and Environmental Research, the Norwegian Agricultural Economics Research Institute and the Norwegian Forest and Landscape Institute.

NIBIO is owned by the Ministry of Agriculture and Food as an administrative agency with special authorization and its own board. The main office is located at Ås. The Institute has several regional divisions throughout Norway and a branch office in Oslo.



FOOD AND AGRICULTURE

The Division of Food Production and Society's fields of expertise lie within food production and agriculture. The overall goal is knowledge concerning national and international political frameworks, traditional production methods and agronomy, as well as consumer behaviour and the food industry. An interdisciplinary approach between agronomists, economists and social scientists strengthens NIBIO's standing as a knowledge producer within these fields.

The Division's goal is to contribute to research-based knowledge of increased food security and food safety, and to support innovation and value creation in the entire value chain of agricultural and food production.

The Division produces applied knowledge for public governance, business communities and the society at large, and has competence within plant biology, ecology, system analysis, technology, economics and society.





FORESTRY AND FOREST RESOURCES



The Division of Forest and Forest Resources has a broad field of research projects along the entire value chain – from seed processing to the protection of building materials. The Division has close contact with both industry and leading research environments. Forest research in Norway has a long history and therefore substantial time series with scientific data which provide unique possibilities to work on several central questions concerning the “Green Shift”, ie. the shift from oil economy to bioeconomy.

Forest and uncultivated land cover most of Norway, and an optimal economic and environmental utilization of these areas, as well as the production potential, is essential as far as producing materials, natural assets and societal benefits in a green way is concerned.



ENVIRONMENT AND NATURAL RESOURCES

The Division of Environment and Natural Resources conducts research and commissioned work within the following fields: soil quality and soil resources, climate issues linked to soil, forest and water, run-off from agricultural and forest land, water quality and the management of land and water resources, land use, nature based cleansing solutions and other environmental measures, green environment and revegetation, biodegradable waste management and bioenergy. The Division seeks to have an integrated approach to various issues concerning efficient biological production, resource utilization, environmental impacts and the society. Environmental monitoring, climate and environmental analyses and the development of cost effective climate and environmental measures, are key issues within the Division of Environment and Natural Resources.

Developing and documenting environmental technology based on biology and natural processes are activities which contribute to the development of a good bioeconomy. Methods and systems for sustainable recirculation, and recycling of nutrient and energy resources in waste products, forests and byproducts, are central in this. Urban greening is another element which is helpful when adapting to a changing climate with extreme weather conditions, and to provide better grounds for local resource utilization.





BIOTECHNOLOGY AND PLANT HEALTH

The Division of Biotechnology and Plant Health has the country's most comprehensive competence within plant health and plant protection in agriculture and forestry. The Division specialises in diagnostics, biology, mapping and fighting plant disease, pests and weeds. Other areas of expertise include pesticide chemistry, genetics and biotechnology, aquatic and terrestrial bio-prospecting, algae and plants used for other purposes than food. Model based notifications of pest attacks and the production of climate data are a couple of the Division's prioritized initiatives. The Division of Biotechnology and Plant Health is the national reference laboratory for analysis of pesticides and pests.





GEOGRAPHY AND STATISTICS

The Division of Geography and Statistics collects data and delivers knowledge about Norway's land resources, qualities and value. The Division aims to provide a thorough and documented basis for decision making within management, industry and politics.

The Division has a particular responsibility for maps, statistics and geodata services.

Ensuring effective capture and management of data, thorough analyses and broad dissemination are central in the Division's work.









NIBIO INTERNATIONALLY

NIBIO has a substantial international portfolio with collaborative programmes being carried out in Europe within many scientific fields. The Institute participates in approximately 30 EU and EEA-projects. NIBIO coordinates several projects in China, as well as in India and South-East Asia. The projects in these areas mainly concern climate-smart agriculture and integrated water resource management. Close-boundary collaboration in the North, especially concerning protected areas in the Barents region, is also an important part of the Institute's international dedication.





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