

A warm welcome to Blæstad

**Visit from the Baltic Sea States
Subregional Co-operation
(BSSSC)**

22. September 2026

**Hjalte Nielsen
Head of Department**



Today's program

Marit Sletmoen, Pro-Rector for Research at INN: The university and strategies

Peder Lombnæs, acting Dean, Vice-Dean for Research: Preparedness projects

Elisabeth Røe, Vice-Dean for Education: Study programs at Blæstad

Lars Magne Mausest, Head of the Agricultural Office for the municipalities of Hamar, Løten, and Stange: Agriculture in Innlandet

Q&A in plenum



Department of Agricultural Sciences - Blæstad

- Over a 100 year history
- Key actor in agricultural education in Norway
 - Agronomy and Agricultural Engineering
- Around 580 students
- An active campus with ca 150 full-time students
- Young people show interest in green education.

A new building at the Blæstad campus

- The planned new building at Blæstad measures approximately 1,600 square meters, distributed across two floors.
- The building will house teaching areas, laboratories, an auditorium, a library, a cafeteria, and office and student workspaces.
- The building is estimated to cost around NOK 140 million.
- A collaboration between the state and Innland county.



Minister Sigrun Aasland (Labour), Minister of Research and Higher Education, announced the new building at Blæstad in August 2025.





A warm welcome to Blæstad



Welcome to our university!

Marit Sletmoen

Prorector research



This is where you find us

- **6** campuses, 3 additional teaching locations

Key figures

- **5** faculties, **46** bachelor's programmes, **32** master's programmes, **5** PhD programmes
- **14,700** students, **1,200** full-time equivalent employees
- **~ 500** research projects + other externally funded projects
- **1** publication point per academic position



A broad range of academic disciplines

- Applied Ecology, Agricultural Sciences and Biotechnology
- Film, Television and Games
- Health and Social Sciences
- Teacher Education and Pedagogy
- Business, Economics and Social Sciences



INN Strategy 2027–2032

The new strategy responds to a society undergoing rapid change

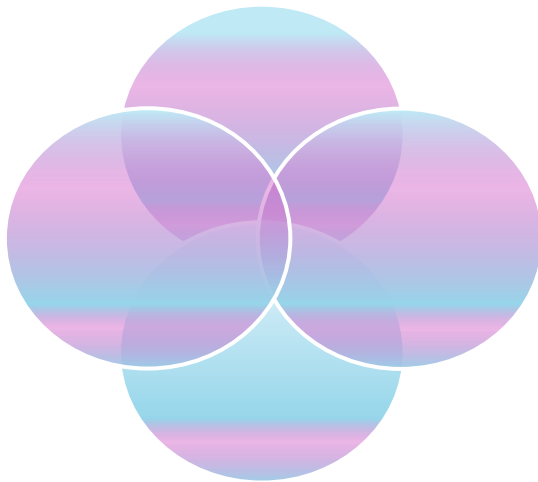
- Demographic change and recruitment challenges
- Technological development and artificial intelligence
- Climate transition and green value creation
- Health, welfare and social exclusion
- Preparedness, trust and societal security
- Changing competence needs in working life and society



- **The maturity of a university is measured not only by its structures, but by its academic strength, capacity for collaboration and contribution to society.**
- **Research and education must be closely linked to transformation and societal needs**

INN Strategy 2027–2032

- Quality and academic integrity are the foundation
- Students are at the core of the university's activities
- Prioritisation is necessary for implementation



INN's four priority areas 2027–2032

- Total preparedness, societal security and resilient local communities
- Health, quality of life and prevention
- Learning, creativity and digital innovation
- Green transition and value creation

INN Strategy 2027–2032



In the new strategy, research is given a clear strategic function

- build academic quality and profile
- strengthen external competitiveness
- develop knowledge that is relevant to societal challenges
- contribute to stronger links between research, education and practice
- strengthen INN's national and international position

Resilient Nordic Food Systems

*Regional Food Security and Preparedness in a Changing
Geopolitical Context*

Inland Norway University of Applied Sciences (INN)

Peder Lombnæs

Vice Dean for Research /Acting Dean

Why This Matters

Geopolitical tensions and global crises expose vulnerabilities in food supply

Recent disruptions include the COVID-19 pandemic, energy insecurity, war and fragile supply chains

A stable food supply is essential to societal preparedness and security

Food Security Is a System Challenge

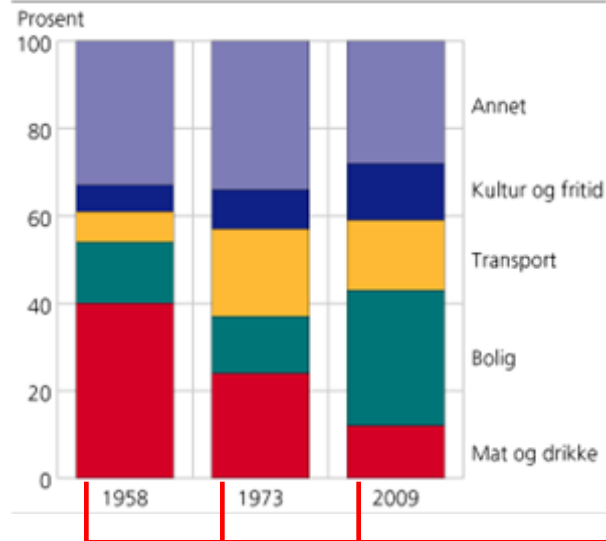
Norwegian food production depends on more than farms and food factories - Key dependencies include:

- Imported feed, fertilizer components and machinery
- Energy and fuel
- Transport and logistics
- Digital infrastructure and financial services

Disruptions in one sector can trigger cascading effects across the food system

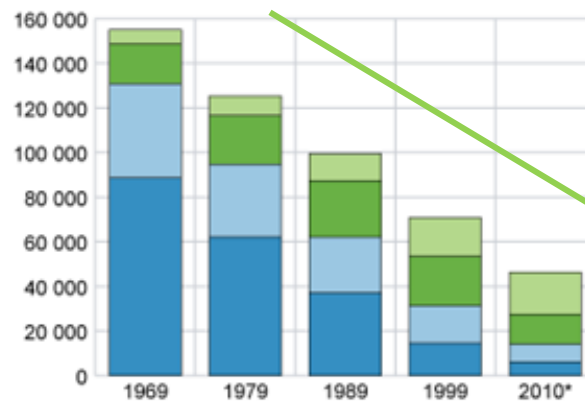
Store endringer over kort tid

Household expenses, 1959-2010



Food only 10 % of
expenses

Number of farms, 1959-2010



Numbers of farms reduced
with 50 % in the period
1990-2010. 2021: 39.000
bruk



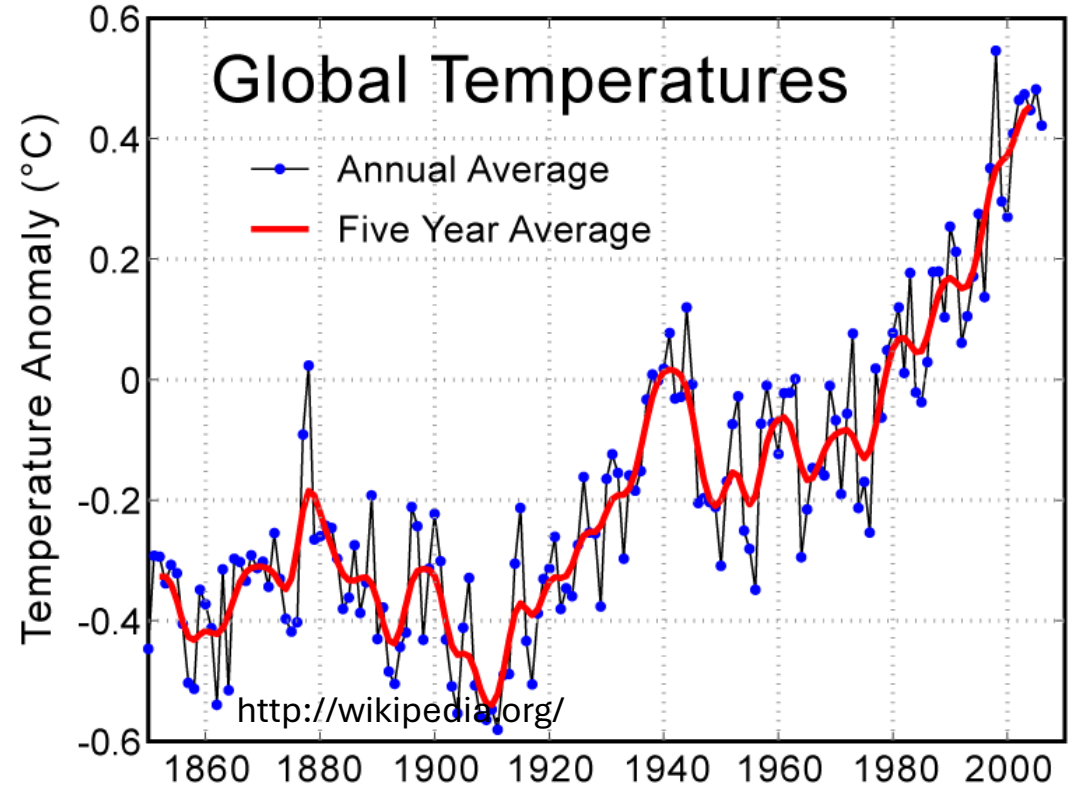
Høgskolen
i Innlandet



After N. Vagstad,
2016

How will climate change affect food supply?

- Global warming will also affect local product potential:



Innsatsfaktorer (ressurser inn)



Scenarier / forstyrrelser

- Ekstremvær (tørke, flom, mye nedbør)
- Strømbryt / energikrise
- Importstopp / krig / geopolitisk uro
- Cyberangrep / datautfall
- Sykdom hos dyr eller mennesker (pandemi)
- Pris- og markedssuro

Gården – produksjonssystem

Produksjon på gården

- Planteproduksjon (korn, gras, grønnsaker osv.)
- Husdyrproduksjon (melk, kjøtt, egg osv.)
- Maskiner og teknologi
- Lager og bygninger
- Arbeidskraft og ledelse



Sårbarheter og svakheter

- Stor avhengighet av energi (diesel og strøm)
- Avhengighet av importerte innsatsfaktorer (fôr, gjødelse, såvarer, teknologi)
- Digital og teknologisk avhengighet
- Sårbar for ekstremvær og klimaendringer
- Avhengighet av arbeidskraft og fagkompetanse
- Sårbar transport og logistikk
- Høye investeringer og økonomisk risiko



Muligheter / tiltak

- Egen energiproduksjon (sol, biogass, vind)
- Lager av kritiske innsatsfaktorer (drivstoff, fôr, såvarer)
- Mer bruk av lokale ressurser og kortere verdikjeder
- Robust teknologi og manuelle reserveløsninger
- Bedre vannforvaltning og klimatilpassede vekster
- Samarbeid mellom gårder og i lokalsamfunnet
- Styrket selvforsyning og matberedskap

Tegnforklaring

- = Innsatsfaktorer inn
- = Output ut
- = Forstyrrelser fra omgivelsene
- = Sårbarheter / risiko
- = Muligheter / løsninger

Output (ressurser ut)

Mat / produkter



- Melk, kjøtt, egg
- Korn, potet, grønnsaker osv.
- Råvarer til matindustrien

Økonomi og verdiskaping



- Inntekter til bonden
- Verdiskaping i lokalsamfunnet
- Skatteinntekter

Andre samfunnsnyttige effekter



- Arbeidsplasser
- Levende bygder
- Kulturlandskap og biologisk mangfold
- Husdyrgjødelse / energi / biogass
- Kunnskap og innovasjon

Project Purpose

Build an interdisciplinary research platform

Study how regional food systems can become more resilient during crises

Use **Innlandet** as a case study

Use the **Nordic Countries** as case for a large region

Identify knowledge gaps and develop research questions for future projects

Interdisciplinary Perspective

The project combines three fields:

Food systems: production, processing, distribution and consumption

Regional development: local economies, demographic change and value chains

Societal security: preparedness, critical infrastructure and cross-sector dependencies

Expected Results

Stronger interdisciplinary research collaboration at INN
Better understanding of vulnerabilities in regional food systems

- Knowledge to reduce dependence on imported inputs
- Ideas for stronger regional value chains and preparedness mechanisms
- Policy-oriented reports for agriculture, food industry and public authorities

Programme portfolio

Elisabeth Røe
Vice Dean for Education



Full time studies at campus

- One-year programme in Agriculture (60 ECTS)
- Bachelor's Degree in Agricultural Engineering (180 ECTS)
- Bachelor's Degree in Agronomy (180 ECTS)

Online studies, part time

- One-year programme in Agriculture (60 ECTS)
 - online, part time
- One-year programme in Organic Agriculture (60 ECTS) – online, part time
- Master in Sustainable Agriculture (120 ECTS)
 - online, part time



Lars Magne Mause

Head of the Agricultural Office for the
municipalities of Hamar, Løten, and
Stange: Agriculture in Innlandet





University of
Inland Norway