



# Bioenergy Promotion

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# BIOREG

## The Policy Showcase of Norway

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# Outline

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1. General information about BIOREG Hadeland
2. Focus on the policy instruments, and how the sustainability criteria were considered
3. Policy lessons learned / policy recommendations

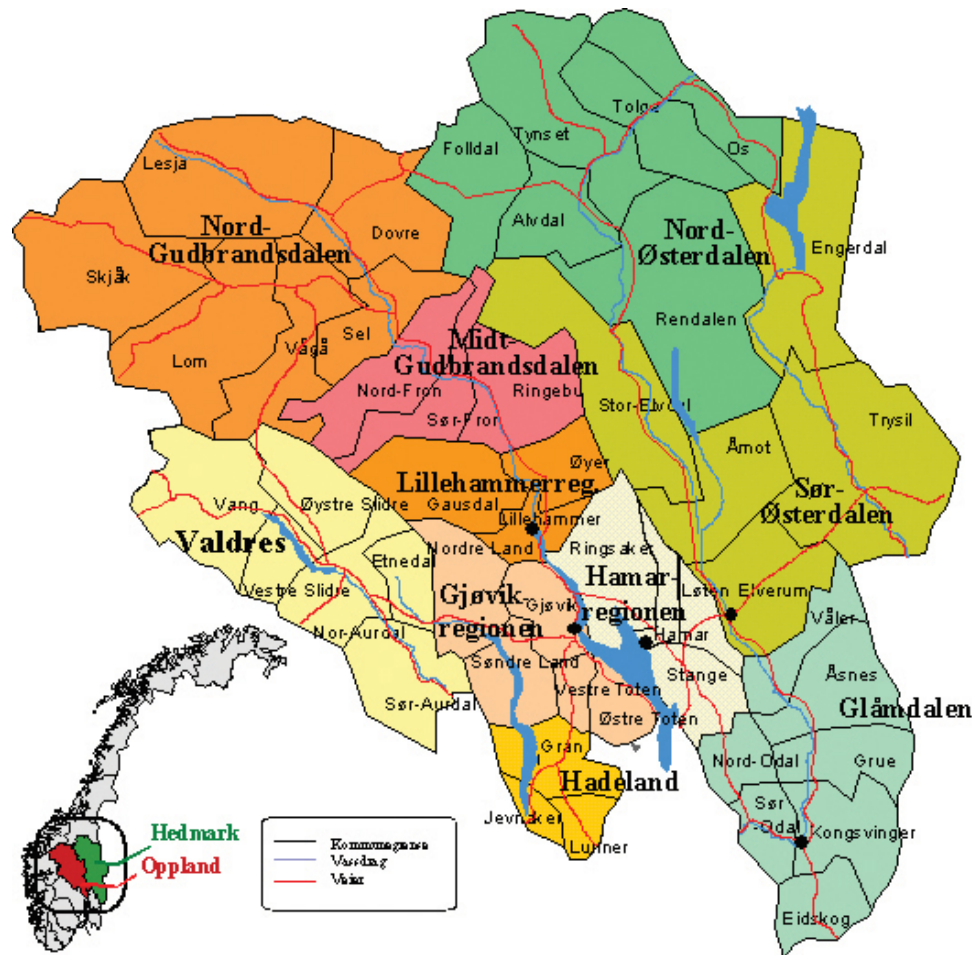


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# HADELAND



- a region in Oppland County
- consists of three municipalities
- cover approx. 1 125 km<sup>2</sup>
- is a pioneer region in terms of bioenergy



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# BIOREG



## The Bioenergy Region of Hadeland

- Long traditions for bioenergy on Hadeland
- Led to BIOREG project establishment in 2003
- Founded by the three municipalities together with Oppland County Authority
- Project leader: Mr Helge Midtun



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# The bioenergy region of Hadeland TARGETS

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***“In 2020 the Hadeland region has increased its use of bioenergy so that the total use of energy in our society is in balance with the nature carrying capacity”***

- Doubling the use of bioenergy in Hadeland from the year 2003 up to the year of 2015 from 54 to 108 GWh
- Develop further Hadeland’s position as a leading region in knowledge and development of bioenergy in Norway
- Hadeland, best in coordinating the bioenergy efforts with Arena Bioenergy Inland (ABI)



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# Policy instruments

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- BIOREG Hadeland
- The Arena Bioenergy Inland (ABI)
- Municipalities of Green Energy
- Climate adviser
- Energy and climate plans in the municipalities
  
- **INCLUDE ENERGY AND CLIMATE IN MUNICIPAL PLANS AND PROGRAMMES**



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# Green Energy Municipalities

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Partnership between three ministries and the Norwegian Association of Local and Regional Authorities.

The target is to commit the Municipalities to:

1. Energy efficiency initiatives
2. Renewable energy use and production, such as BIO ENERGY
3. Take initiatives to reduce green house gas emissions



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# Climate adviser

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- Cover all three municipalities
- Works towards the municipal authorities, the regional stakeholders and the public

## Three main focus areas:

- Attitude forming work
- “Environment certificates” (light house businesses)
- Initiator/initiative-taker



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## Energy and climate plans in the municipalities

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All municipalities need to develop an energy and climate plan.

Intention: Lift the work in the municipalities to a strategic level.

The plan should have legal status (the Planning and Building Act).

The plan include e.g. energy use and energy supply.



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# FORESTRY

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## Policy instruments

- Forest Fund
- Subsidies to harvest of forest biomass for bioenergy
- Innovation Norway's "Bioenergy Programme"
- Incentives funded by ENOVA

## Sustainability criteria

- Living Forest Standard
- Forestry Act with regulative
- Regulations on use of ash



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## Policy lessons learned / policy recommendations

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- The local politicians take the challenge seriously
- It is hard to find both personal and financial resources in the municipal administrations (in addition to running work)
- The local work needs local enthusiasts, also in the administrations
- Coaching is efficient (and necessary)
- “Things take time” (TTT)
- **MUNICIPALITIES THAT WORK DETERMINED, REACH GOALS !**



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Thank you for the attention!

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