



NORDREGIO FORUM
23-24 November
Hamar, Norway

**CHANGING LABOUR
MARKETS AND
GREENER COMMUNITIES**



Nordregio Forum Study tour: The Tech Company Hias IKS

Thursday, 24 November @13:30-15:30

Location: Sandvikavegen 136, 2312 Ottestad (15 min for Hamar City Centre)

Bus transportation provided

Come tour the innovative Hias wastewater treatment plant, which pioneered the Hias® Process, the world's most compact biological nutrient removal technology

We are facing a future with a wetter and wilder climate and increasing urbanization. This challenges our ability to provide clean water and sanitation to all and to protect life below water and on land from unacceptable chemicals.

To overcome these challenges, we need to rethink how we design and build Waste Water Treatment Plants and transform them into Water Resource Recovery Facilities. Existing plants should be intensified to higher capacities and treatment standards, and the untapped resources in wastewater must be recovered and utilized at the highest possible level.

In the EU, 20 per cent of the imported mined phosphorus could be replaced by recovered phosphorus from wastewater. There is an urgent need to leave the 'treatment and disposal' regime and enter the era of Reuse, Recycle and Resource Recovery!

The Hias® Process

The Hias® Process is highly advanced, eco-friendly and 100 per cent scalable. The process cleans wastewater by facilitating the growth of naturally occurring bacteria in biofilm. This removes phosphorus, nitrogen and organic substances from the water without the use of heavy chemicals.

After treatment, about 50 per cent of the phosphorus becomes available for recycling. Since the Hias Process does not involve any chemicals, the recycled phosphorus can be used for high-grade fertiliser and other agricultural products. This means The Hias® Process not only makes wastewater treatment less expensive and more effective; it can also be an important contributor to the circular economy in agriculture.

HIAS IKS

Hias IKS is a cooperative between four municipalities in eastern Norway, founded in 1974. Hias IKS owns and runs several water treatment plants in the region. It is also a member of NCE Heidner Biocluster, Norway's national cluster for bioeconomy and sustainable food production.

About the tour

HIAK IKS Administrative Director Morten Finborud, who has been the strategist behind the company's development over the past 15 years, will give a presentation which will then be followed by a tour of the facilities.

