

Welcome to ØRAS

01.12.2022

Mr. Trym Denvik – Managing director

Mrs. Stine Cecilie Granlund – Communications adviser

Mr. Tord Røland – Information officer

ØRAS

Øvre Romerike
Avfallsselskap IKS



Avfall på rett vei

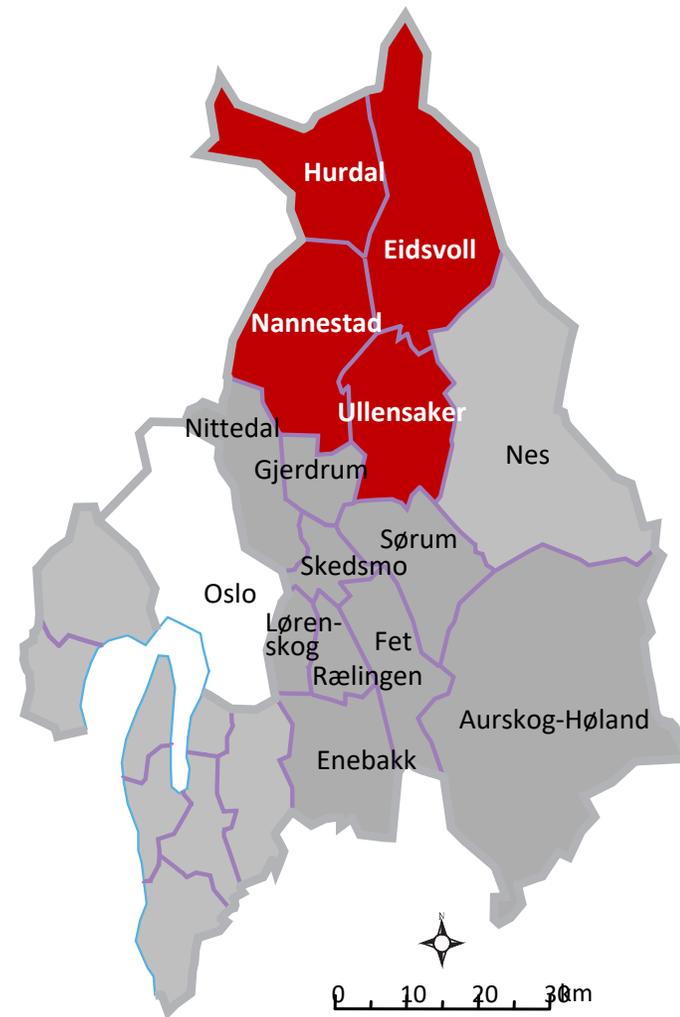
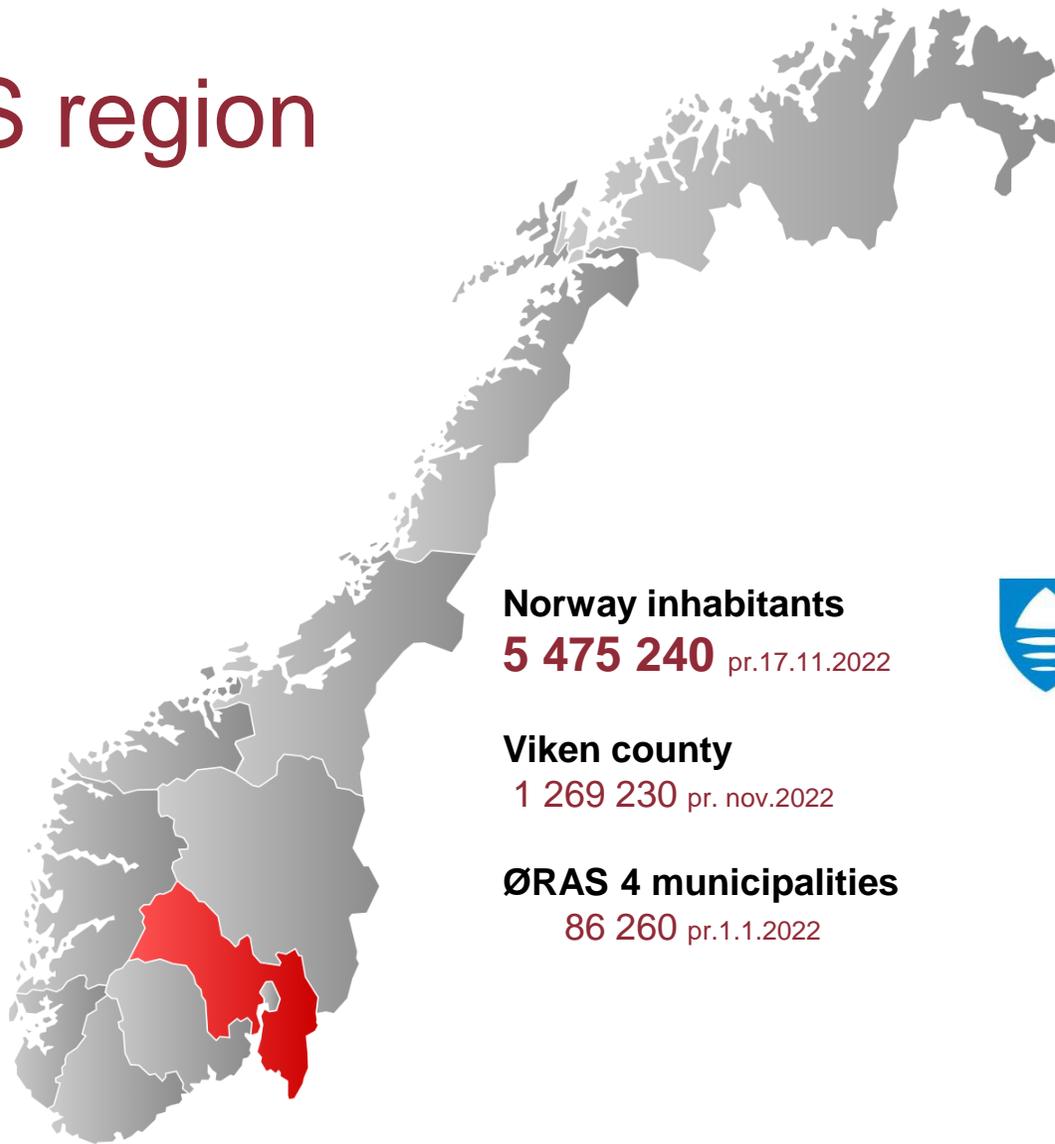




MØTEPlass
VED BRANN/
EVAKUERING

GRATIS INNLEVERING
AV NÆRINGS-
ELEKTROAVFALL
ØRAS
RENAS

ØRAS region



ØRAS-region

Municipality	Population 1/1/2022	Population growth 1/1/2021 – 1/1/2022	Households 1/1/2022	No. of Cabins	Cabins waste manage
Eidsvoll kommune	26 716	2,6 %	12 145	640	520
Hurdal kommune	2 905	2,3 %	2 215	690	703
Nannestad komm.	15 074	2,9 %	6 088	293	148
Ullensaker komm.	41 565	2,7 %	15 965	99	90
	86 260	2,7 %	36 413	1722	1461

SSB Befolkning pr. 1.1.2022

How ØRAS is organized

- Supervisory Board

The members, with personal deputies, are elected for four-year terms and the owner municipalities are represented with the following voting weights:

Ullensaker Municipality	46 votes
Eidsvoll Municipality	32 votes
Nannestad Municipality	8 votes
Hurdal Municipality	4 votes

How ØRAS is organized

- Board
 - Elected by the supervisory board for 4 years.
 - Consists of five members with personal deputies.
 - One board member is elected by and among the employees for 2 years

ØRAS

Vision

«Together we turn waste into resources»

Mission

«Waste on right path»

Values

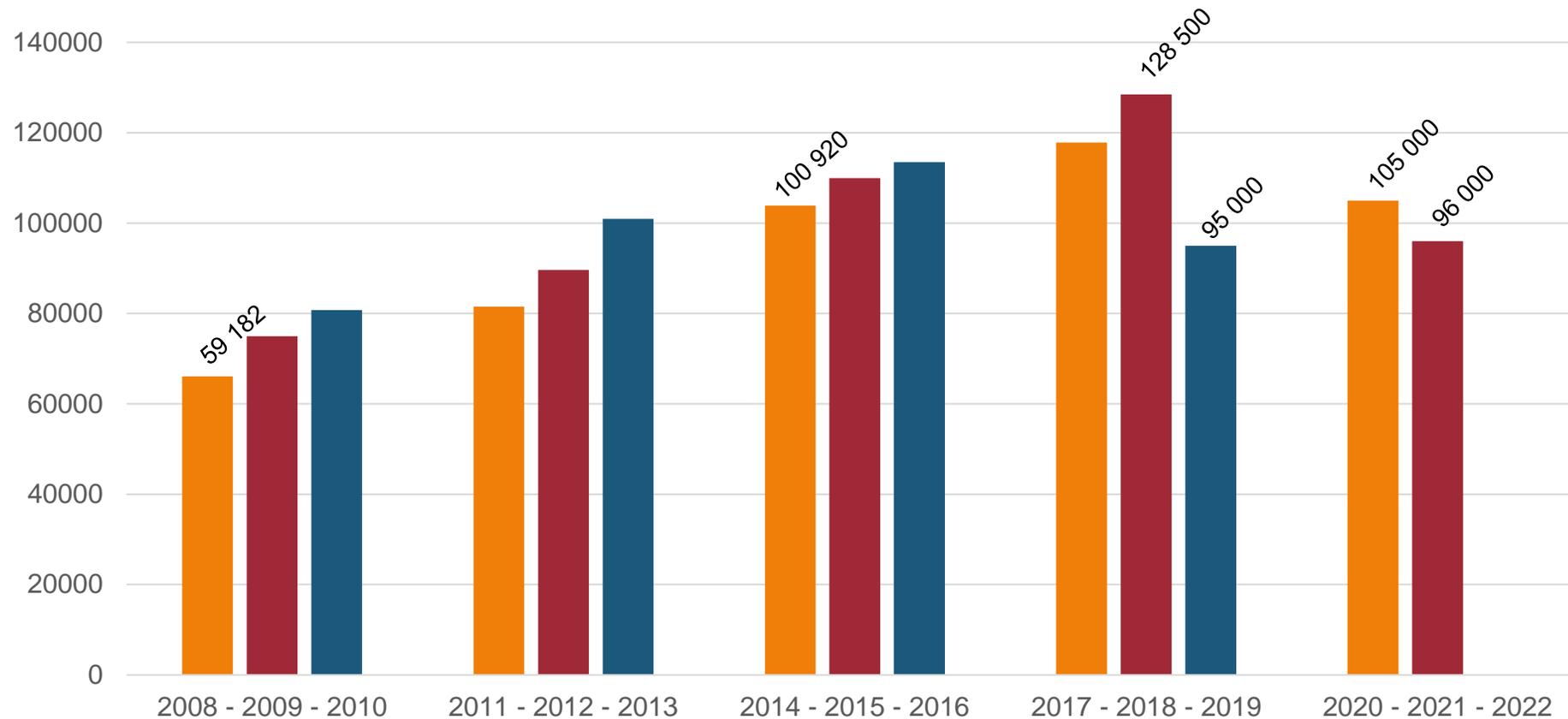
Ø	= Økonomisk	- Economic
R	= Raus	- Generous
A	= Ambisiøs	- Ambitious
S	= Synlig	- Visible



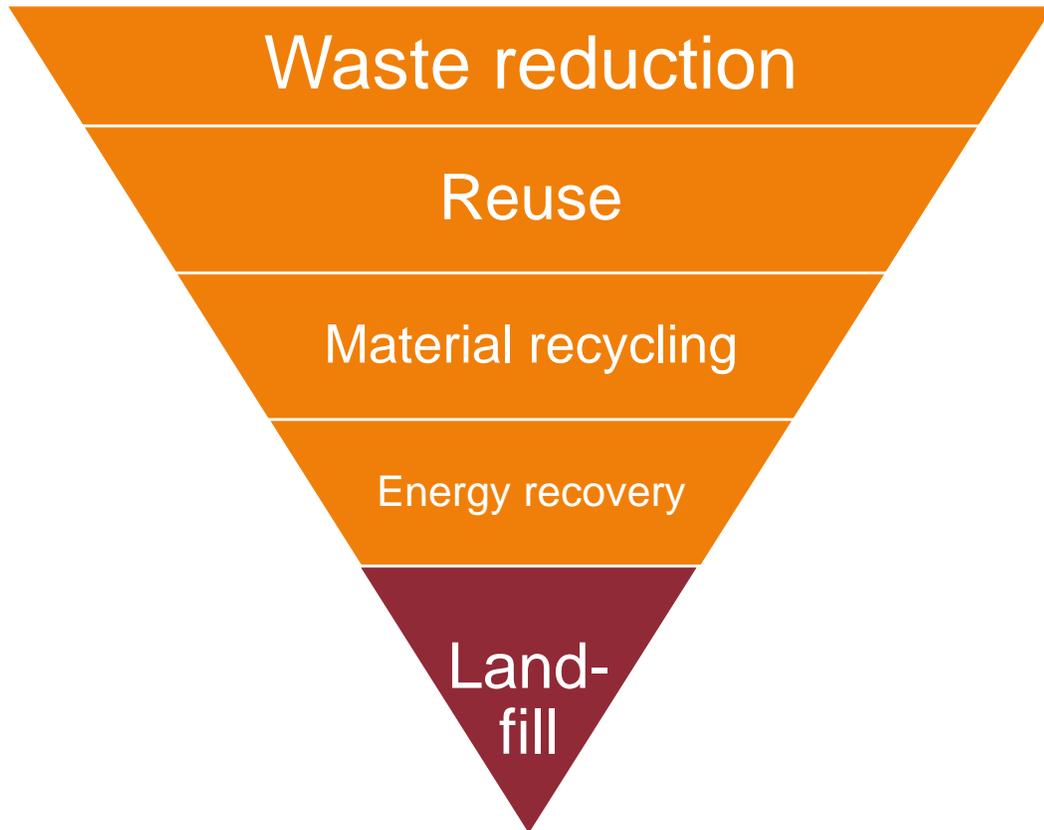
ØRAS

- 36 941 tons household waste in 2021 (440 kg/pr capita.) (456 kg in 2020, 423 kg in 2019)
- Hosts around 2000 students a year in ØRAS-skolen
- 47 employees
- Turnover 2021 NOK 125 mill. = EUR 12.4 mill.
- Budget 2022 NOK 148 mill. = EUR 14,4 mill.
- ØRAS at Dal Skog since 1981

Number of household visitors 2008 - 2021



Waste hierarchy



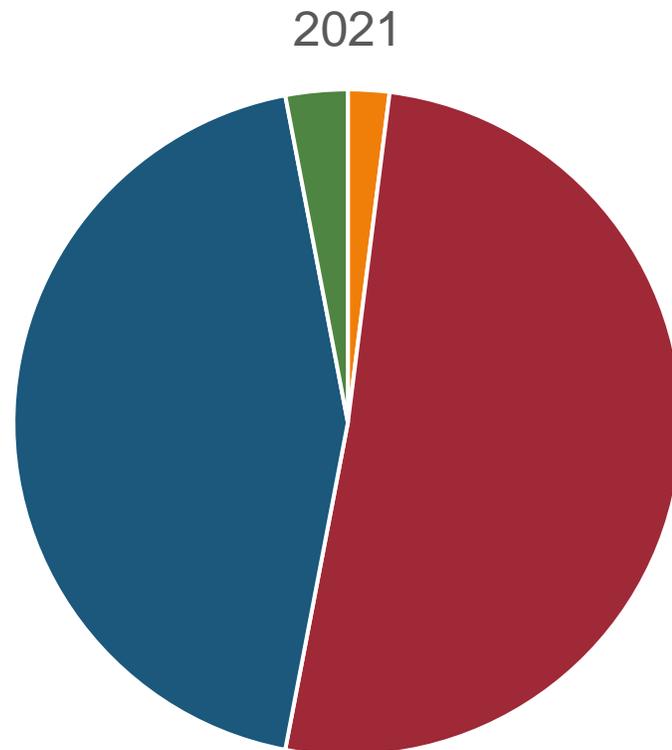
- The waste hierarchy is used by authorities and organizations in several countries to define the priorities in waste policy.
- Waste Framework Directive (2008/98): 50% of waste will be reused or recycled by 2020
- New goals from 2018 for material recycling of household waste and similar industrial waste

55% within 2025

60% within 2030

65% within 2035

Household waste in total



	Reuse	2 %
	Material recycling	51 %
	Energy recycling	44 %
	Landfill	3 %



History

- 03.03.1979 : IKS founded with 3 municipalities. Hurdal added in 1983.
- 01.10.1981 : Landfill 1 into use
- 01.01.1988 : Receiving of special waste is initiated
- 1991 : Receiving of appliances
Freon is drained



History

- 01.05.2020 : Contract collecting househ.waste
- 01.05.2020 : Filling station for compressed biogas
- 01.10.2020 : Tent for loading waste
- 01.10.2020 : Area expansion
- 01.12.2020 : Sorting area of industrial waste
- 01.12.2020 : Receiving of infectious waste
- 01.09.2021 : Pyrolysis plant
- 01.09.2021 : Extend office space
- 01.09.2021 : Extension of stock 2nd hand shop



New plant for producing heat and biochar

- Biochar is produced by heating biomass in the total or partial absence of oxygen.
- The biochar consists mostly of pure carbon, which means that the process reduces CO₂ emissions by up to 90% compared to traditional wood chip firing.





ØRAS Biochar in compost products

In cooperation with

- Sirkula (Hamar)
- NIBIO (NMBU Norwegian University of Life Sciences)
- Glasopor (recycled glass packaging)
- Leca
- Woodfiber from Hunton



NEW in 2022
Biochar plant

Leachate lagoon

Composting area

Balancing pond

Optical sorting plant

Sorting area

222
(222.000 m2)

Infiltration pond 1

Landfill 2

Infiltration pond 3

Landfill 1

Garage

Stirling engine
generators/landfill gas

Offices and auditorium

Garden waste

Incineration
wooden chips

Future landfill (3)

Recycling area

Reception

Recycling area EW-
HHW-Appliances and
windows

OMGJØRAS; second hand store

ØRAS is responsible for

- The collecting services of household waste
- The contract with waste collector
- Collecting of glass/metal packaging public areas and some households
- Maintaining subscriber register
- Information
- «ØRAS-school»

Miljøposten
Miljøstasjon Dal Skog 2 / 2022

Vinn gavekort verdt **1000,-**
Se side 15

Årets plukkkanalyse
Sesam, Sesam, lukk deg opp!
... Hvordan har du sortert mat, bleier og gammelt lopp?
Les mer på side 5

Hans Thue
Fokus på kildesortering
Les mer på side 3

Avfallstyper som vi henter hjemme hos deg
Les mer på side 8-9

Avfallstyper som du må levere selv
Les mer på side 10-11

Utstyr for sortering hjemme og på hytta
Les mer på side 12

INFORMASJON
for deg som bor i Eidsvoll / Hurdal / Nannestad / Ullensaker

ØRAS
Øvre Romerike Avfallsselskap IKS

ØRAS is responsible for

- Waste management and recycling – downstream waste
- Operating landfills, composting area, recycling centre, second hand shop
- Soil Production, sale and transport
- Reporting to the authorities





Municipalities

- Billing of the waste collection fee
- Regulations
- Case processing
- Waste solutions consulting
(in cooperation with ØRAS)



Waste collectors

- Norsk Gjenvinning AS in Eidsvoll
- NordRen AS - Hurdal, Nannestad, Ullensaker
- Quality control
- Supply green bags and transparent sacks for recycling
- Collecting glass/metal packaging at som households

Waste collection private households

- Food waste in green bags
- Residual waste in normal bags
- Cardboard, paper and beverage cartons in a separate bins in a separate bins
- Plastic packaging in transparent sacks and bags





Waste collection private households

- Pilot project 2021-2023
- 1600 subscribers
- Separate collection of glass and metal packaging
- Frequency of collection is every 10 weeks

Waste vacuum system

- Truck collecting household waste in some housing associations



Waste to collection points

- Glass and metal packaging
- All types of textiles
- Hazardous waste to ØRAS
- WEEE to ØRAS
- Bulky waste to ØRAS (or to be collected for a fee)
- Garden waste to ØRAS
- Wood



Waste in black sacks prohibited

- Since February 1, 2011
- Households deliver up to 2 clear bags with residual waste and 4 car tires for a user fee of NOK 100,-.
- Area for sorting waste from black bags
- Amount of residual waste decreased with 19% first year (2011-2012) and further with 14% the next year.



Concession

- Permission given 2008-09-12 without time limit
- License Application approved 01.07.2020
County Governor of Oslo og Viken.
- - receive and temp.store infectious waste
- remove glass from insulating glass windows
which is not hazardous waste
- crush concrete
- deposit sludge from oil separators



County Governor of Oslo og Viken

Tillatelse til virksomhet etter forurensningsloven
for Øvre Romerike Avfallsselskap IKS,
Miljøstasjon Dal Skog





Food safety authorities



GODKJENNINGSBEVIS / CERTIFICATE OF APPROVAL

Navn / Name: ØVRE ROMERIKE AVFALLSSELSKAP (ØRAS) IKS
Adresse / Address: Ørasvegen 85, 2054 MOGREINA
Bedriftsnummer /
Business number: 974706814

Godkjenningen omfatter / The business is approved for:

Composting plants
Products: CATW Approval number: 1000562

Activity:
COMP Category:
3

Composting plants
Products: Approval number: 1001383

Activity:
COMP Category:
3

The business is approved by the Norwegian food safety authorities according to the provisions of Regulation EF nr 1774/2002. Mattilsynet, Avdeling Østfold og Follo, har gitt godkjenning med hjemmel i forskrift om animalske biprodukter § 11a Regodkjenning m.m. av biogass- og komposteringsanlegg - oppheving av forordning (EF) nr. 809/2003 og forordning (EF) nr. 810/2003.

Dato: 20.05.2015
Vår referanse: 2015/092296

Fos Torle Bergsjø
avdelingsjef 





Machinery

- 3 Trucks
- 1 compactor car
- 1 Semi trailer
- 1 Waste vakuüm truck
- 3 Forklifts
- 4 Wheel Loaders
- 2 Wheel Exavators
- 1 Bulldozer
- 1 Star screen



Machinery

- 1 Waste shredder - Komptech Terminator 5000
- 1 Wood shredder - Teuton Z60
- 1 Compost turning-machine –Topturner X55
- 1 Lift
- 1 Mercedes sprinter van
- 1 Mercedes electric van EQV
- 1 Pick-up
- 1 Sweeper
- 1 Sweeper
- Over 40 containers
 - 35 m3 and 14 m3



Renewable fuel

Compressed biogas

- Pump installed May 2020
- Used on garbage trucks
- Also available for the public
 - E.g. minibuses

Second hand store opened june 2017



OmgjørRAS

- Reuse of 35 tons office barracks (7 stk)
- Reuse of interior, counter and shopping baskets
- Number of articles sold in
2020: 98.778
2021: 92.495
- Turnover 2020: NOK 2,56 mill. incl. VAT
Turnover 2021: NOK 2,64 mill. incl. VAT
(EUR 260.000)



ØRAS-school

- 2000 students and teachers yearly
- 4th and 10th graders
- ØRAS pays for transportation
- History of waste, how to sort, pollutants, discussions, guided tour
- Corona-stop spring 2020
- Produced 6 films 2021
«The digital ØRAS-school»



Thank you for your attention

www.oeras.no



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[@oerasiks](https://www.instagram.com/oerasiks)



[Øras \(oerasiks\)](https://www.snapchat.com/add/oeras(oerasiks))

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Avfall på rett vei

