Bruk av en Refinement Wiki for å øke kommunikasjon

norecopa.no/211124

Adrian Smith
adrian.smith@norecopa.no

linkedin.com/in/adrian-smith-bb567b5a

https://norecopa.no

Hva trenger vi å kommunisere?

- ✓ hvordan vi produserer gyldige forsøksdata (ekte behandlingseffekter)
- ✓ hvordan vi gjennomføre reproduserbare og overførbare studier
- ✓ hvordan vi maksimere dyrevelferden
- ✓ tips om HMS (både mennesker og andre dyr på avdelingen)
- ✓ hvordan vi får en god omsorgskultur på jobben (“culture of care”)

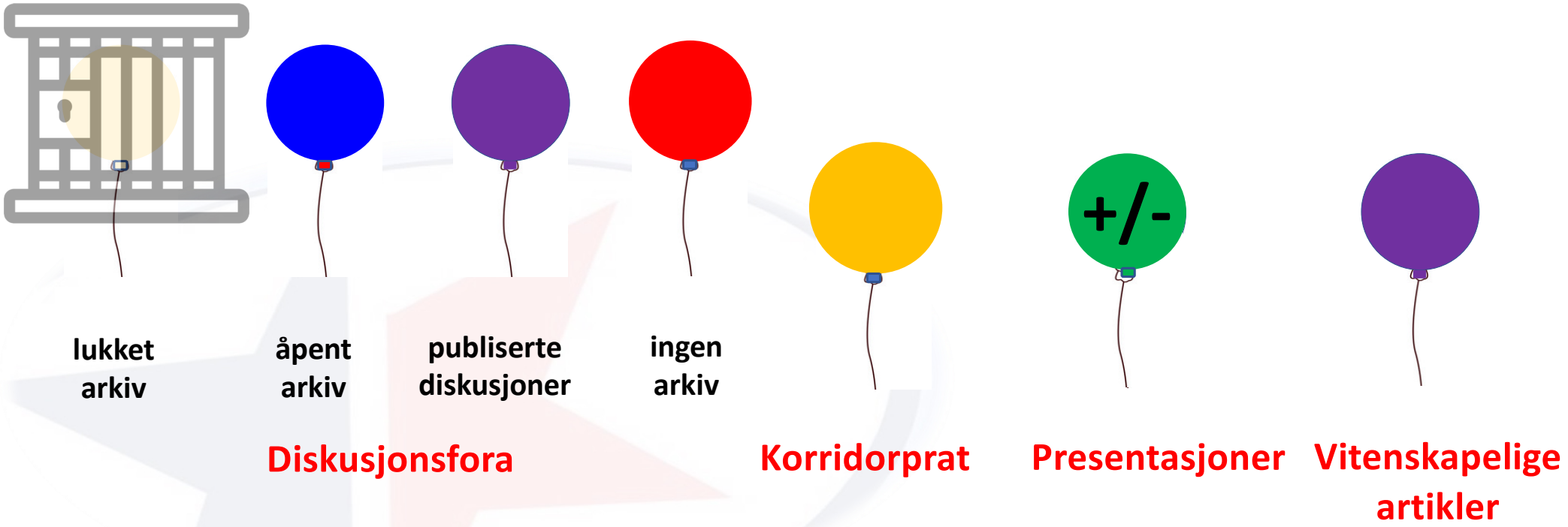
Alle kan kommunisere dette - ikke minst teknikerne

3R-litteratur kan være vanskelig å finne

norecopa.no/more-resources/literature-searches-and-systematic-reviews

- Vi trenger å søke i flere databaser (dårlig overlapping)
- Få forskere kjenner til spesialistdatabasene
- Forskere sjeldent bruker «3R-ord» når de skriver titlene/sammendragene/keywords til sine artikler
- Vi har ikke ett omfattende ”Journal of the Three Rs”
- ***Mange gode 3R-ideer blir aldri publiserte...***

Gode ideer, deres skjebne...



wiki.norecopa.no

The Refinement Wiki

Skal være

- en portal for hurtig publisering og spredning av kunnskap og idéer
- et sted å identifisere eksperter på spesifikke refinement-teknikker
- et hjelpemiddel for å identifisere potensielle samarbeidspartnere for multi-lab studier

wiki.norecopa.no

The Refinement Wiki

Innhold kan legges inn anonymt eller under ditt navn

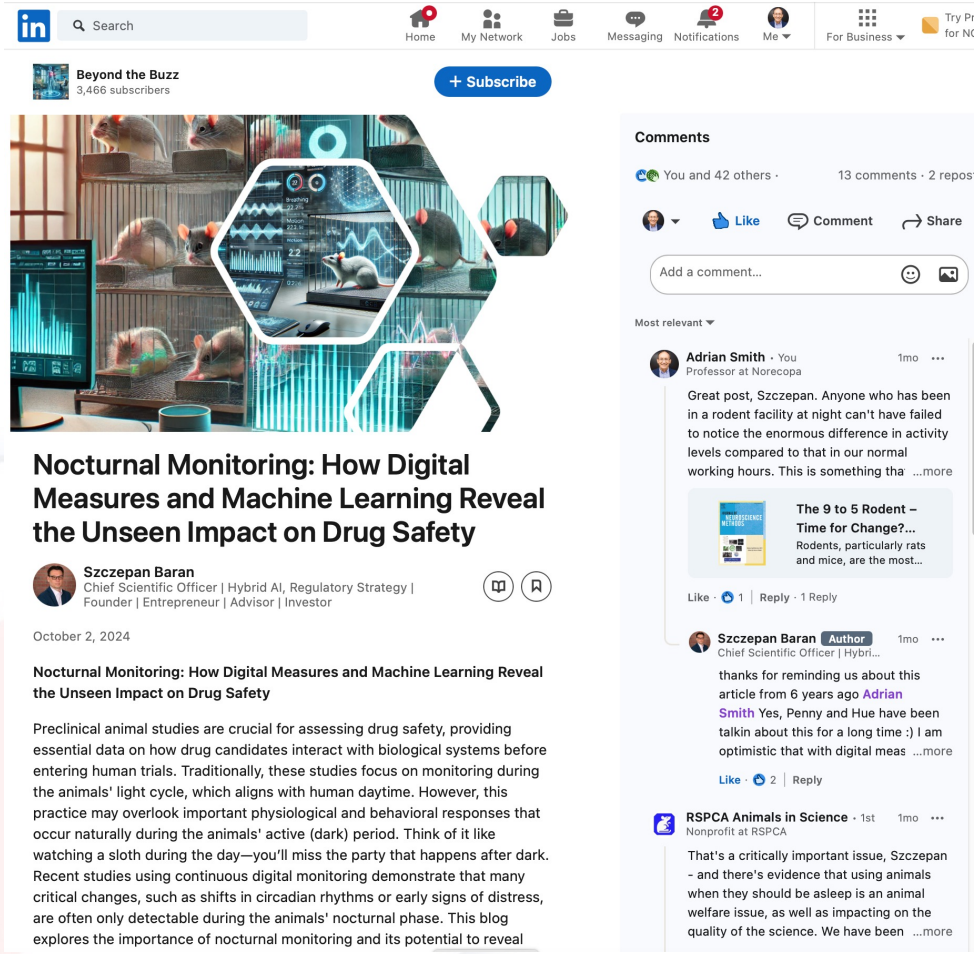
Du kan legge inn innhold selv, eller be Norecopa om å gjøre det

Refinement Wiki

wiki.norecopa.no

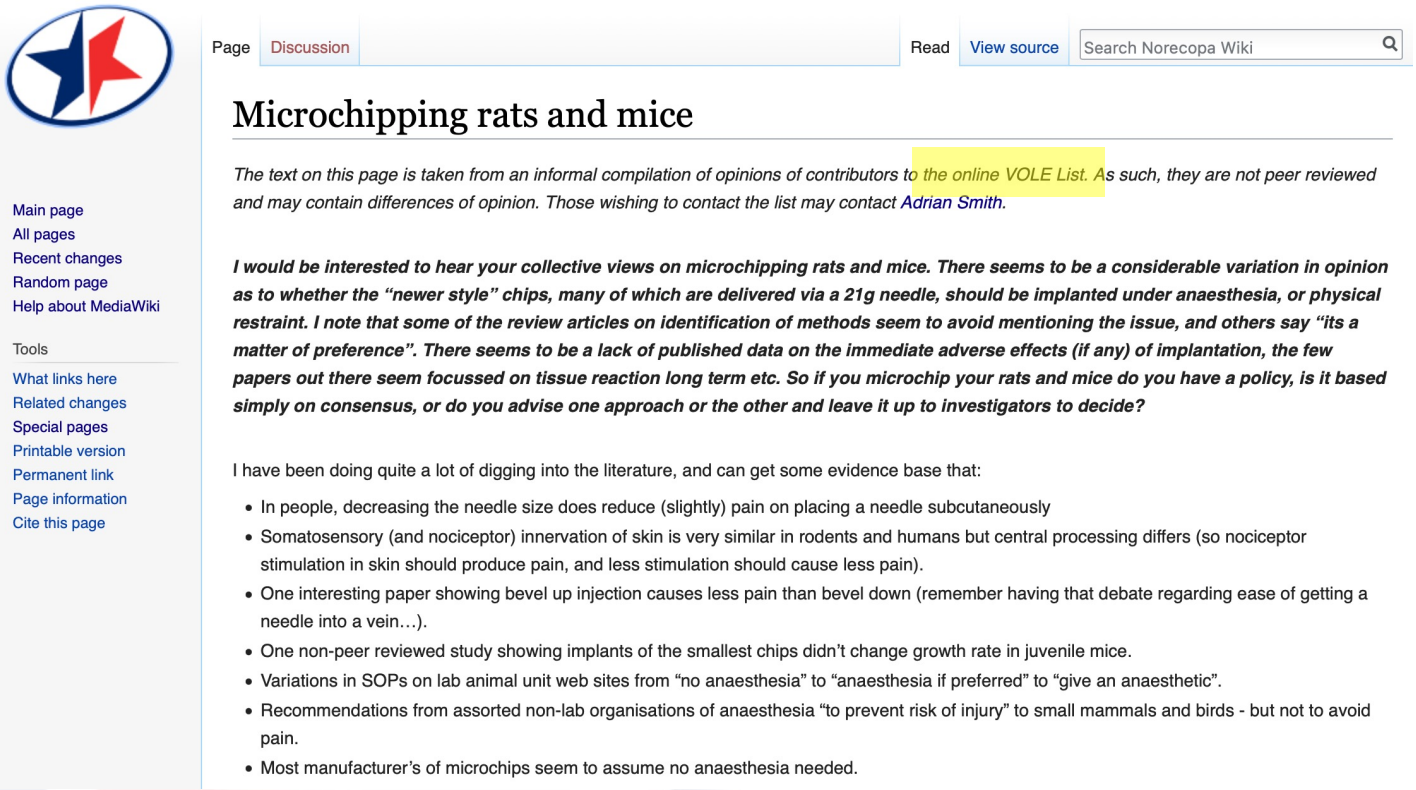
Refinement Wiki

wiki.norecopa.no



wiki.norecopa.no

Refinement Wiki



Page | Discussion | Read | View source | Search Norecopa Wiki

Microchipping rats and mice

The text on this page is taken from an informal compilation of opinions of contributors to the online VOLE List. As such, they are not peer reviewed and may contain differences of opinion. Those wishing to contact the list may contact Adrian Smith.

I would be interested to hear your collective views on microchipping rats and mice. There seems to be a considerable variation in opinion as to whether the "newer style" chips, many of which are delivered via a 21g needle, should be implanted under anaesthesia, or physical restraint. I note that some of the review articles on identification of methods seem to avoid mentioning the issue, and others say "its a matter of preference". There seems to be a lack of published data on the immediate adverse effects (if any) of implantation, the few papers out there seem focussed on tissue reaction long term etc. So if you microchip your rats and mice do you have a policy, is it based simply on consensus, or do you advise one approach or the other and leave it up to investigators to decide?

I have been doing quite a lot of digging into the literature, and can get some evidence base that:

- In people, decreasing the needle size does reduce (slightly) pain on placing a needle subcutaneously
- Somatosensory (and nociceptor) innervation of skin is very similar in rodents and humans but central processing differs (so nociceptor stimulation in skin should produce pain, and less stimulation should cause less pain).
- One interesting paper showing bevel up injection causes less pain than bevel down (remember having that debate regarding ease of getting a needle into a vein…).
- One non-peer reviewed study showing implants of the smallest chips didn't change growth rate in juvenile mice.
- Variations in SOPs on lab animal unit web sites from "no anaesthesia" to "anaesthesia if preferred" to "give an anaesthetic".
- Recommendations from assorted non-lab organisations of anaesthesia "to prevent risk of injury" to small mammals and birds - but not to avoid pain.
- Most manufacturer's of microchips seem to assume no anaesthesia needed.

Main page
All pages
Recent changes
Random page
Help about MediaWiki

Tools
What links here
Related changes
Special pages
Printable version
Permanent link
Page information
Cite this page

wiki.norecopa.no

ca. 70 temaer (november 2024)

- Alphaxalone
- Anaesthesia in neonates
- Analgesia
- Asepsis
- Blood sampling of hamsters
- Blood sampling of pigs
- Blood sampling of rainbow trout
- Breeding strategies for mice
- Clicker training
- Contingency plans
- Decapitation
- Dehydration
- Detecting early onset of clinical signs in the mouse model of Covid-19
- Detection of pain and distress in mice
- EMLA cream
- Embryo transfer
- Experimental Autoimmune Encephalomyeltis (EAE)
- Facial expression analysis
- Food crunchers
- Forced swim test
- General discusson on use of analgesics
- Genotyping mice
- Habituation training
- Health monitoring
- High-fat diets
- Hot Bead Sterilisers
- Housing nude mice
- Housing research fish
- Humane endpoints
- Hydrodynamic gene delivery
- Intra-ocular injections
- Intranasal administration
- Intraperitoneal injection
- Intraperitoneal pentobarbitone
- Irradiation for haematology studies
- Ketamine and alpha-2 agonist combinations
- Long-term anaesthesia in rodents
- Lumpfish
- MDA (micropipette-guided drug administration) Method
- Main Page
- Marble Burying Test
- Metabolic cages
- Microchipping rats and mice
- Minipumps
- Montanide adjuvant
- Mouse Grimace Scale
- Mouse handling
- Nest building material
- Non-invasive genetic sampling in wildlife research
- Oestrus suppression in ferrets
- Pneumocystis murina
- Recapping needles
- Refinement of oral gavage
- Rotarod Test
- Screening cell lines
- Sedation of cattle
- Splenectomy
- Sterilisation of instruments
- TTEAM and TTouch
- Tail vein injection
- Tamoxifen
- Tamoxifen information sheet V4.pdf
- The use of DMSO
- Tramadol
- Transport stress
- Tumour cell implant into mammary fat pad
- Ulcerative Dermatitis in Mice
- Water quality
- Xenopus laevis
- Zebrafish swabbing

wiki.norecopa.no/index.php/Special:AllPages

wiki.norecopa.no

norecopa

Kan vi stole på innholdet?

Innholdet er ikke kvalitetssikret av noen - ansvaret for kvaliteten ligger hos forfatteren

En del av innholdet er personlige meninger basert på erfaringer

wiki.norecopa.no

Norecopa: PREPARE for better Science

"norecopa.no : en oppdatert oversikt over globale 3R-ressurser"

Norecopa: PREPARE for better Science

Takk til

- Susanna Louhimies (EU-kommisjonen) som foreslo det

- Dyrevernalliansen som sponset installeringen av programvaren

The Norwegian Animal Protection Alliance's Research Fund

Dyrevernalliansen

Norecopa: PREPARE for better Science

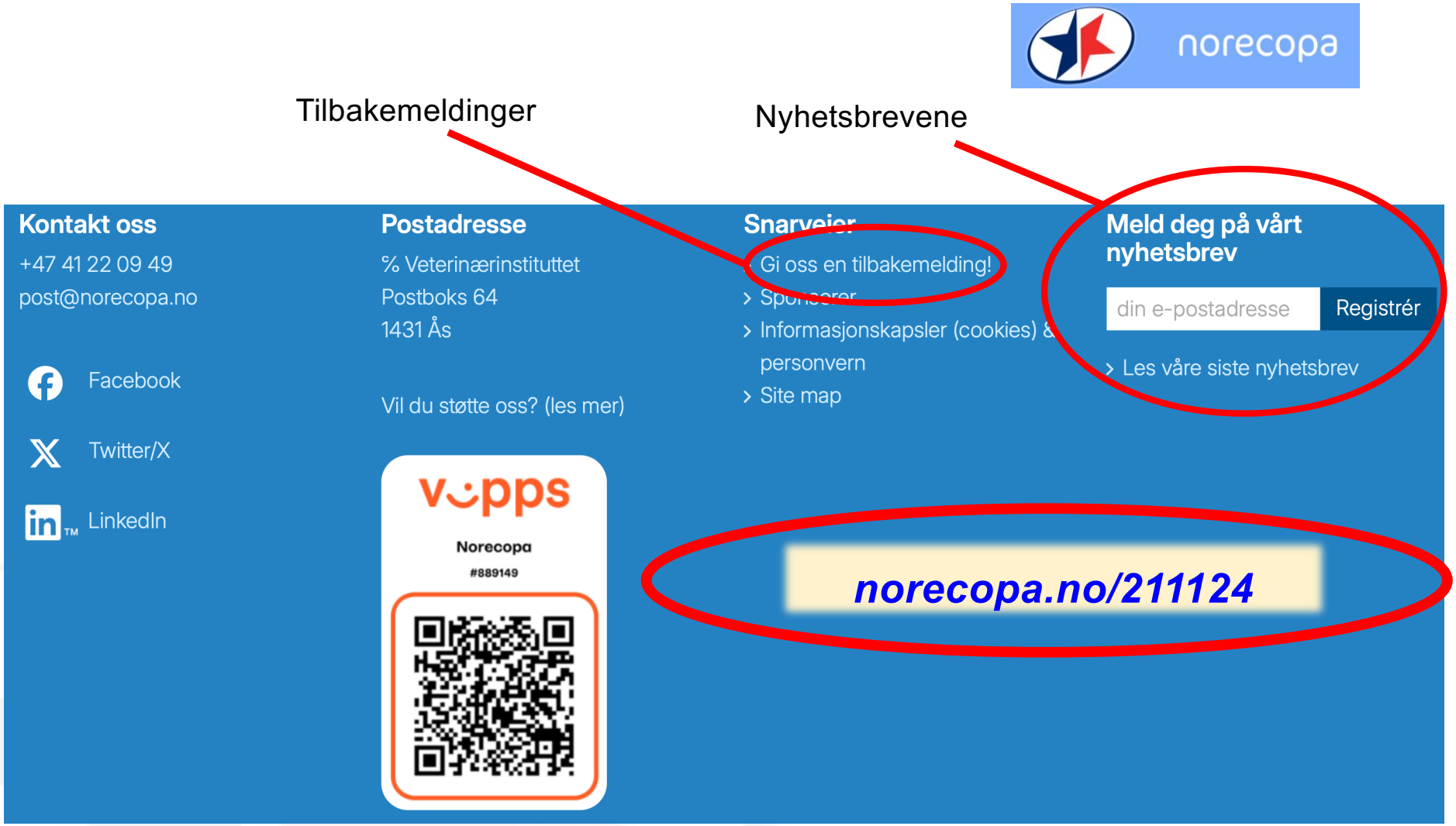
Takk til:

De som bidro til å lansere Wiki'en i 2019:

Aurora Brønstad
Boris Jerchow
Elliot Lilley
Geoff Hale
Katharina Hohlbaum
Lucy Whitfield
Ngaire Dennison
Pascalle Van Loo
Paulin Jirkof
Viola Galligioni
Øyvind Wærenskjold

Blir du den neste bidragsyteren?

Og ikke minst Mark d'Alton fra VOLE forum


norecopa
Tilbakemeldinger
Nyhetsbrevene
Kontakt oss
+47 41 22 09 49
post@norecopa.no
Facebook
Twitter/X
LinkedIn
Postadresse
% Veterinærinstituttet
Postboks 64
1431 Ås
Vil du støtte oss? (les mer)
vipps
Norecopa
#889149
Snarveier
Gi oss en tilbakemelding!
Informasjonskapsler (cookies) &
personvern
Site map
Meld deg på vårt nyhetsbrev
din e-postadresse
Registrér
Les våre siste nyhetsbrev
norecopa.no/211124