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*Photo Album from
Norecopa's 10th Anniversary
Celebrations,
Adamstua, Oslo
10 October 2017*

NORECOPA
THE FIRST 10 YEARS



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Norecopa 10 år!

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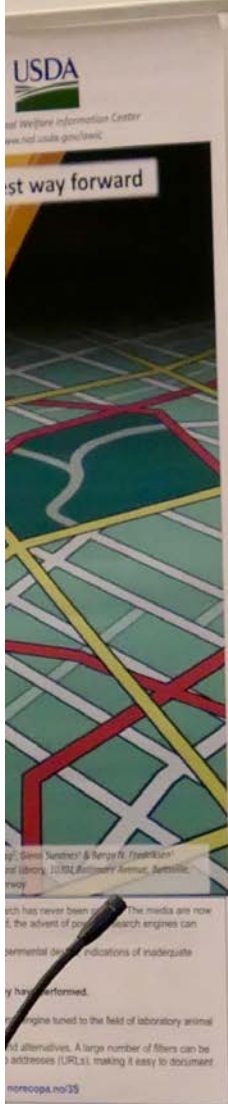


*Knut Carlberg,
Nordic Society Against Painful Animal Experiments*

*Sponsor of the NORINA database for many years
Full sponsorship of the work of updating the database
since 2012*



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PREPARE before you ARRIVE: Guidelines for Planning Animal Research and Testing

Adrian J. Smith¹, R. Eddie Clifton², Elliot Lilley³, Kristine E. As. Hansen⁴ & Trond Bratteli⁵

¹Norecopa, 413, Box 750, Lovén, 2008 Oslo, Norway; ²Small Animal Unit of Veterinary Studies, Easter Bush, Midlothian, EH21 9AT, UK; ³Research Animal Department, Science and Technology, 413, Box 750, Lovén, 2008 Oslo, Norway; ⁴Department of Production Animal Clinical Science, Faculty of Veterinary Medicine, Norwegian University of Life Sciences, 413, Box 750, Lovén, 2008 Oslo, Norway; ⁵Department of Production Animal Clinical Science, Faculty of Veterinary Medicine, Norwegian University of Life Sciences, 413, Box 750, Lovén, 2008 Oslo, Norway

As part of ongoing efforts to **reduce waste** and **increase the reproducibility** of animal research and testing, we have produced a set of guidelines for planning animal experiments:

PREPARE (Planning Research and Experimental Procedures on Animals: Recommendations for ARRIVAL)
norecopa.no/PREPARE

The PREPARE guidelines for planning animal studies complement the ARRIVE guidelines and other similar guidelines for reporting.

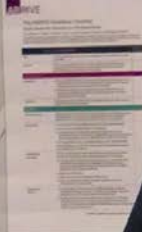
A large number of factors, rarely reported in scientific papers, can dramatically influence the validity and outcomes of animal studies, as well as the health and safety of all those concerned. The PREPARE guidelines cover these and address all stages of quality assurance, from the animal facility or population to the individual procedures which make up the study.

A manuscript describing the PREPARE guidelines is available free of charge under Open Access in *Laboratory Animals*, 2017, DOI: 10.1177/0023677217714823 and at norecopa.no/PREPARE

A **free-page PREPARE checklist** in 12 languages can be downloaded **free of charge** from: norecopa.no/PREPARE/prepare-checklist

The PREPARE website also includes suggestions for a compact between scientists and animal facilities, to help discuss of ethical, costs and responsibilities.

PREPARE



PREPARE contains numerous links to guidelines and other resources, and uses the intelligent search engine of the [website \(norecopa.no\)](http://norecopa.no).

More information: adrian.smith@norecopa.no

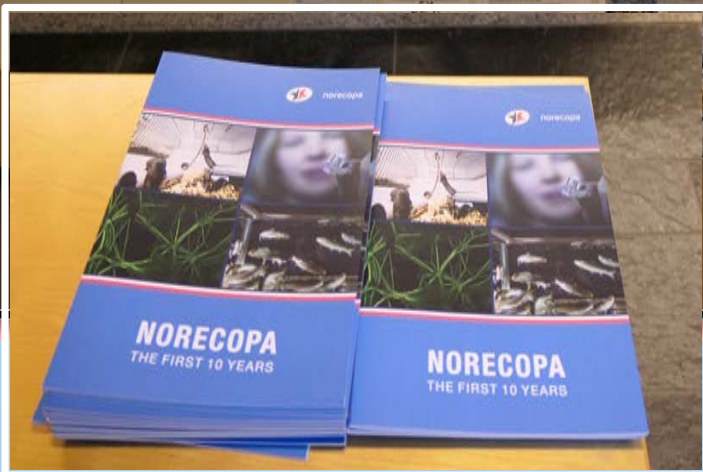


Open Access
Norecopa
Laboratory
Animal
Research

Norecopa's Secretary (2007-) Adrian Smith presents the work of Norecopa during the first 10 years, using a 36-page Anniversary booklet



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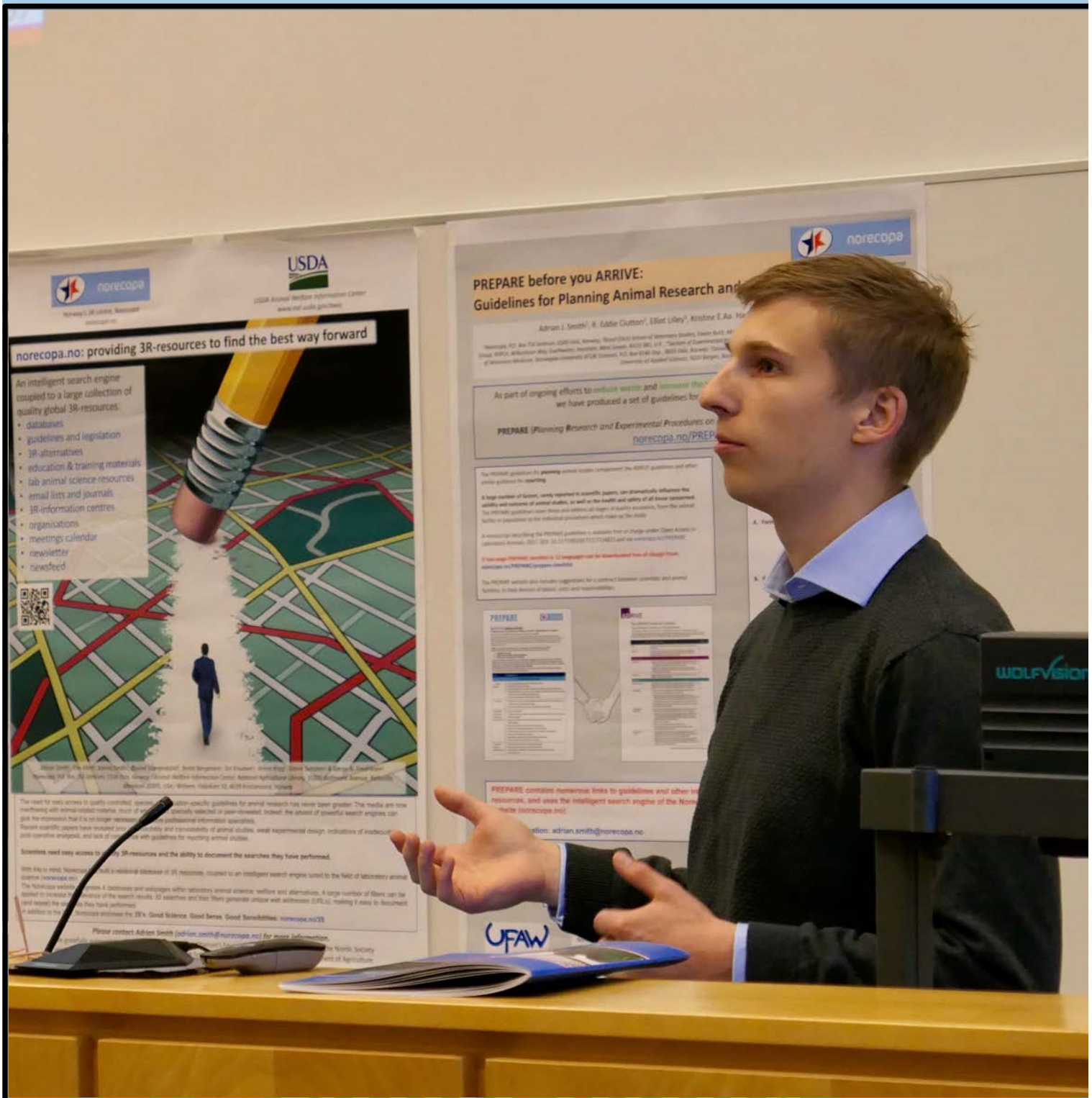


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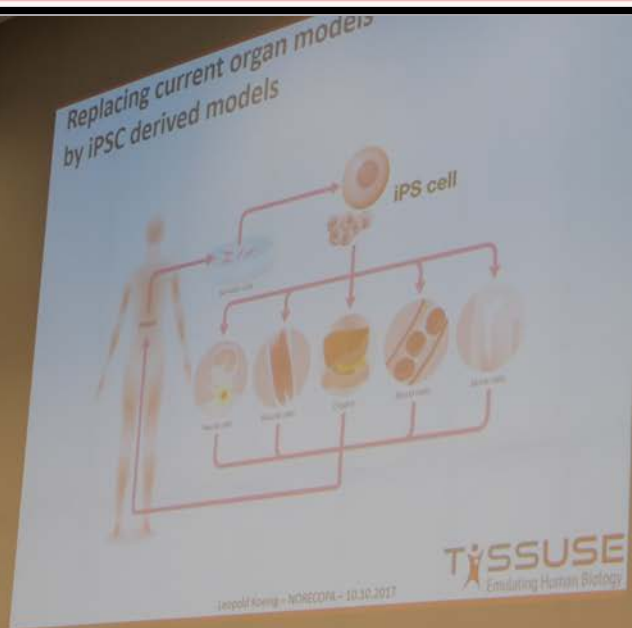
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Leopold Koenig from TissUse, Berlin describes the possibilities for creating organs-on-a-chip



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Leopold Koenig from TissUse, Berlin
describes the possibilities
for creating organs-on-a-chip



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Tom Bengtsen from the Secretariat of the Danish 3R-Center explores what the Nordic 3R centres can offer and how they can collaborate



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ARRIVE:

Planning Animal Research and Testing

R. Eide Flaten¹, Elliot Lilley², Kristine E. Aa. Hansen³ & Trond Bratteli⁴

¹ Norwegian School of Veterinary Studies, Oslo, Norway; ² Research Animals Department, Science and Technology, RAL, UK; ³ Division of Experimental Biomedicine, Department of Production Animal Clinical Sciences, Faculty of Veterinary Medicine, University of Oslo, Norway; ⁴ Division for Research Management and External Funding, Western Norway University of Applied Sciences, 5015 Bergen, Norway

reduce waste and increase the reproducibility of animal research and testing, produced a set of guidelines for planning animal experiments:

and Experimental Procedures on Animals: Recommendations for Excellence)

norecopa.no/PREPARE

implement the ARRIVE guidelines and other

papers, can dramatically influence the health and safety of all those concerned, from the animal to the researcher.

available free of charge under Open Access in www.norecopa.no/PREPARE

completely free of charge to all

contact between scientists and animal

The PREPARE guidelines cover 15 topics, grouped in three main sections:

A. Formulation of the study

1. Literature searches
2. Legal issues
3. Ethical issues, harm-benefit assessment and humane endpoints
4. Experimental design and statistical analysis

B. Dialogue between scientists and the animal facility

5. Objectives and timescale, funding and division of labour
6. Facility evaluation
7. Education and training
8. Health risks, waste disposal and decontamination

C. Quality control of the components in the study

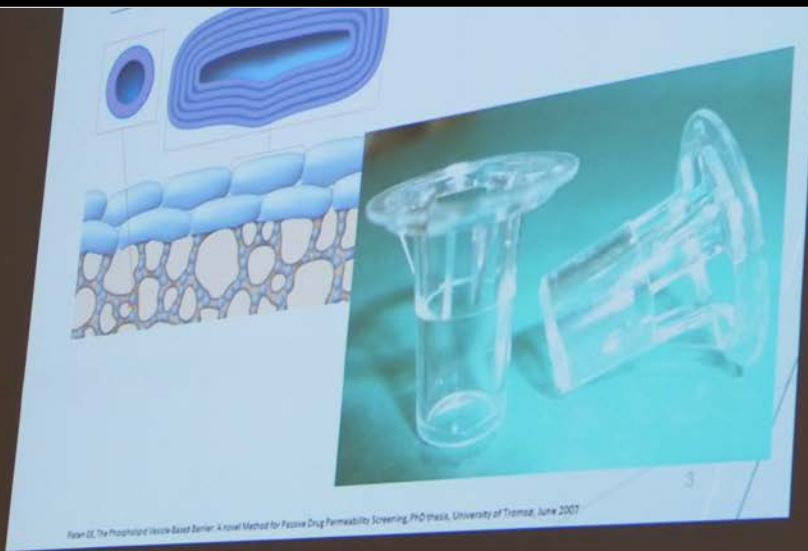
9. Test substances and procedures
10. Experimental animals
11. Quarantine and health monitoring
12. Housing and husbandry
13. Experimental procedures
14. Humane killing, rehousing and rehoming
15. Necropsy



Gøril Eide Flaten from the University of Tromsø describes the work which led to her winning Norecopa's 3R prize in 2013



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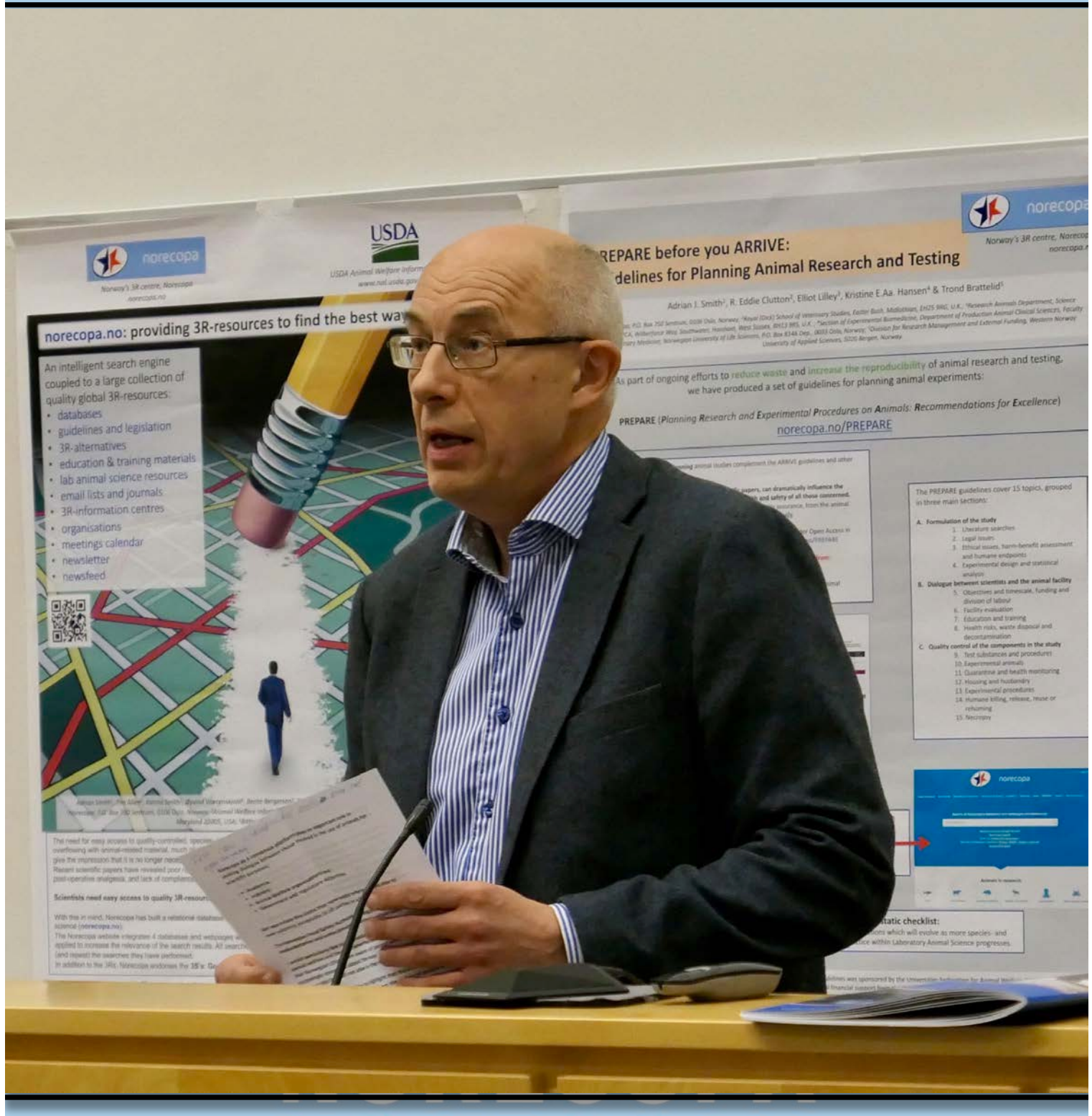
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*Elliot Lilley from
the Research Animals Department, RSPCA,
discusses what difference the 3RS have made*



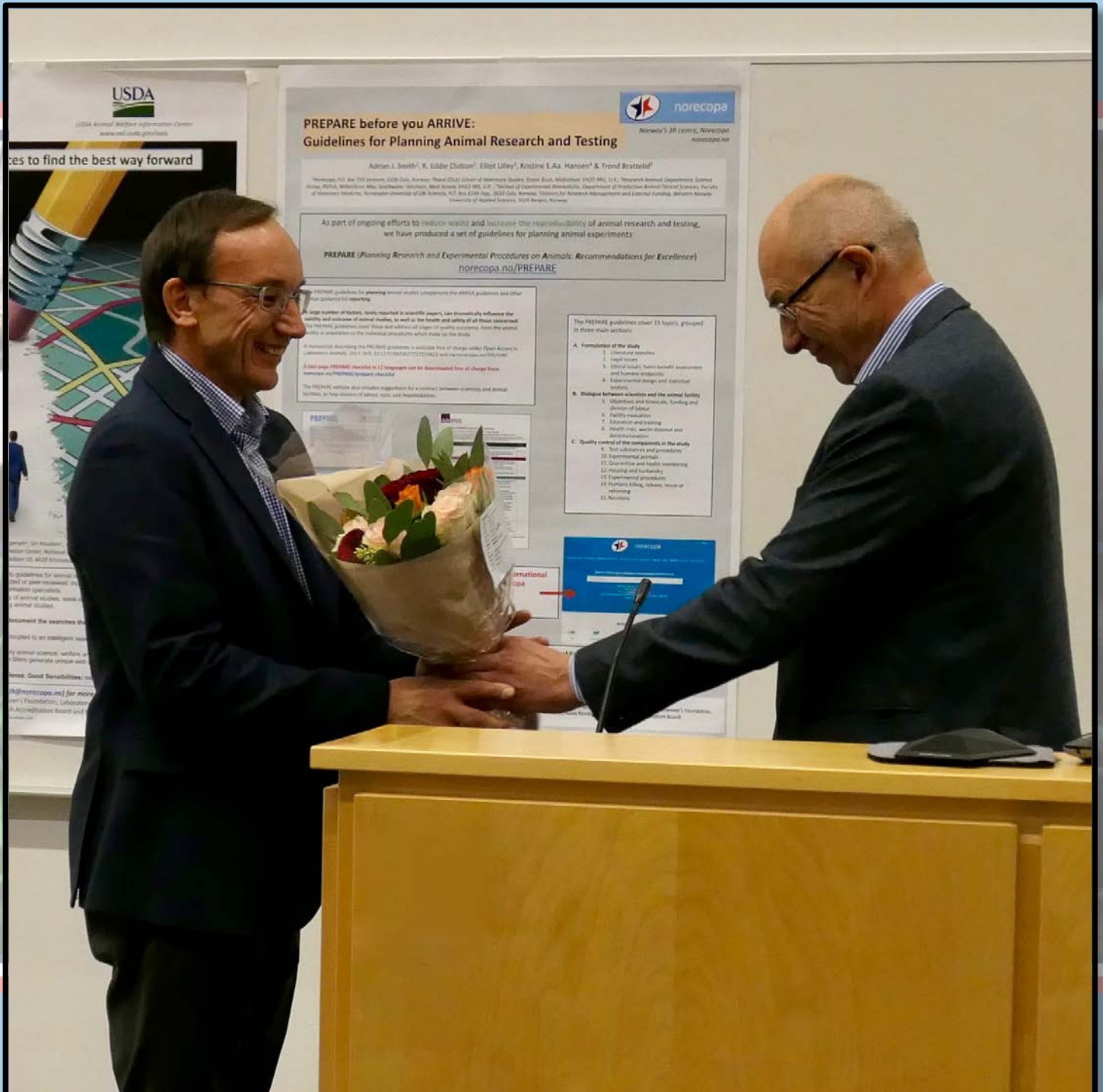
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**Director Harald Gjein, Norwegian Food Safety Authority,
closes the Anniversary Celebrations
with remarks on the role and impact of Norecopa**



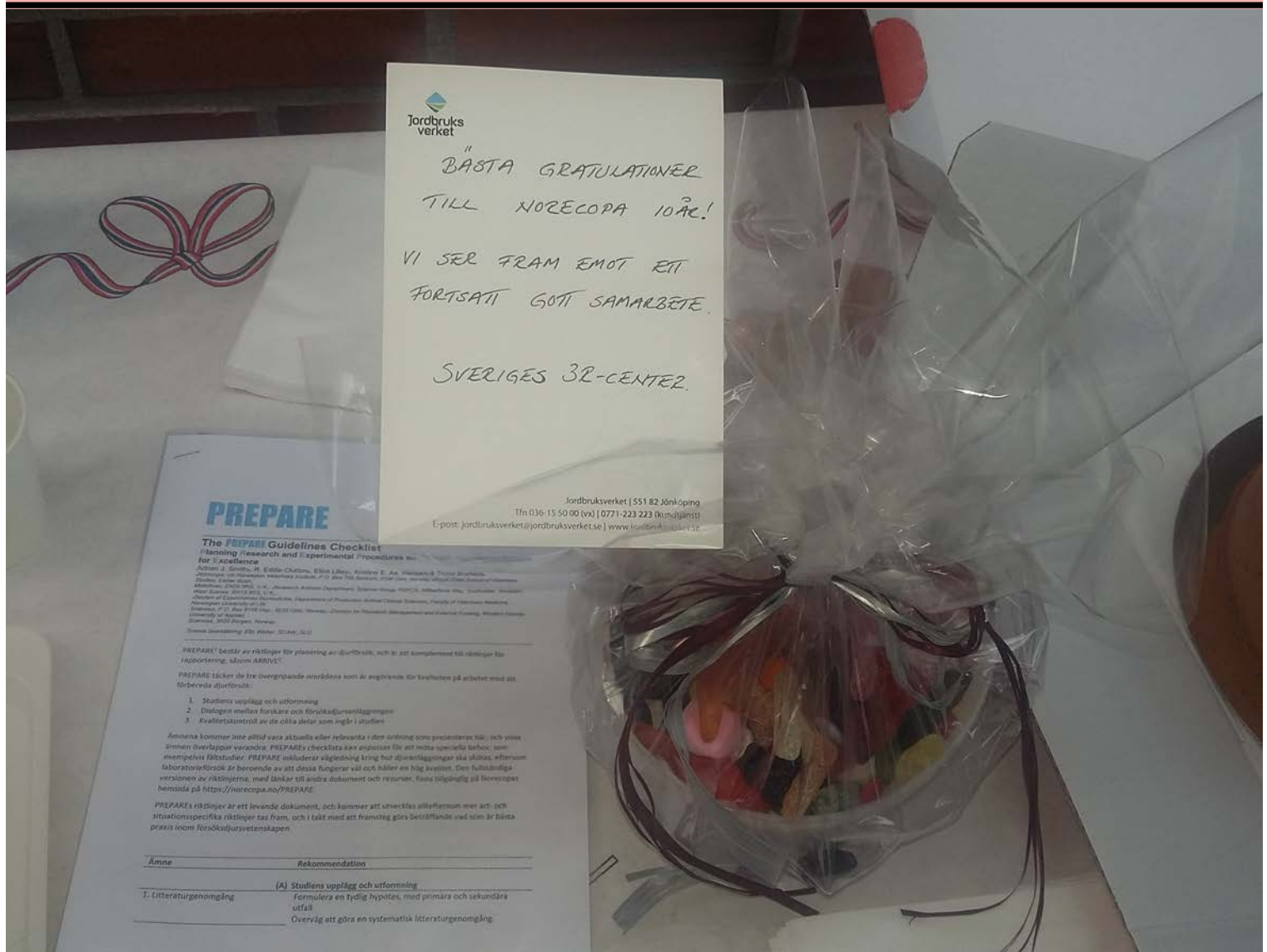
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Greetings from the Swedish Board of Agriculture
who are opening the Swedish 3R Centre
in November 2017

The presents included a Swedish translation of
the PREPARE checklist for planning animal experiments



*Bente Bergersen
Chair of Norecopa's Board (2007-2017),
cuts the Anniversary Cake*



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Takk for i dag!

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