

## ***Fokus på forsøksdyr***

**Behovet for større og koordinert innsats innenfor 3R:**

- ***Replacement***
- ***Reduction***
- ***Refinement***

***Mange dyreforsøk dreier seg om noe helt spesielt: å ta friske dyr og gjøre dem syke***

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[norecoba.no/LMD/270622](https://norecoba.no/LMD/270622)

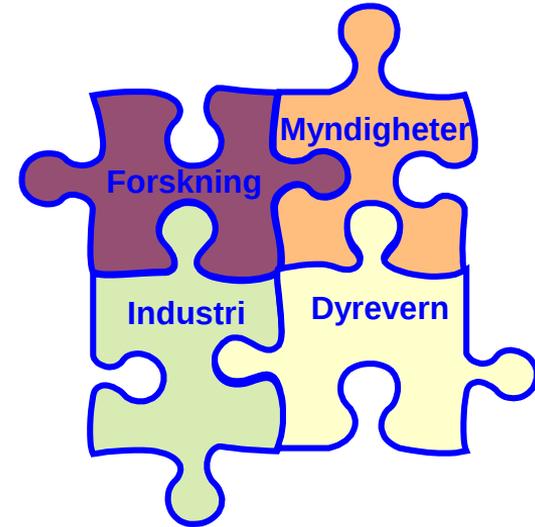
## Fokus på dyreforsøk økte på 90-tallet



[peta.org](http://peta.org)

Norecopa: PREPARE for better Science

Erkjenner nasjonale plattformer hvor alle interessepartene er med i styret:



**Norecopa er medlem av ecopa**

## ***Hva skjedde i Norge?***

***2003: den forrige dyrevelferdsmeldingen anbefalte etableringen av en norsk 3R-plattform/senter***

***Det gikk 4 år før Norecopa ble etablert, og kun med en halv stilling.***

***5 regjeringer (med varierende kjennskap til forsøksdyrmiljøet) har hatt dette på sitt bord***

***Andre dyrevelferdssaker opptar stadig politikernes oppmerksomhet:***

- *pelsdyr*
- *gris*
- *kyllinger*
- *veterinærdekningen*

***Etter mye lobbyvirksomhet økte Næringskomitéen Norecopas tildeling til én hel stilling.***

***Norge bruker en femtedel av forsøksdyrene i Europa (2018):***

	2015	2016	2017	2018 (EU-28)
<b>Total</b>	9,782,570	10,028,498	9,581,741	<b>9,137,443</b>

**Table 12: Total number of uses of animals**

***Og slett ikke bare fisk:***

**60% av norske søknader om dyreforsøk gjelder andre arter**

***Det EU ikke vet ennå, er at de norske tallene for 2020 er 20% høyere...***

## *EU forventer at vi drar lasset sammen med dem*

2021/2784(RSP)

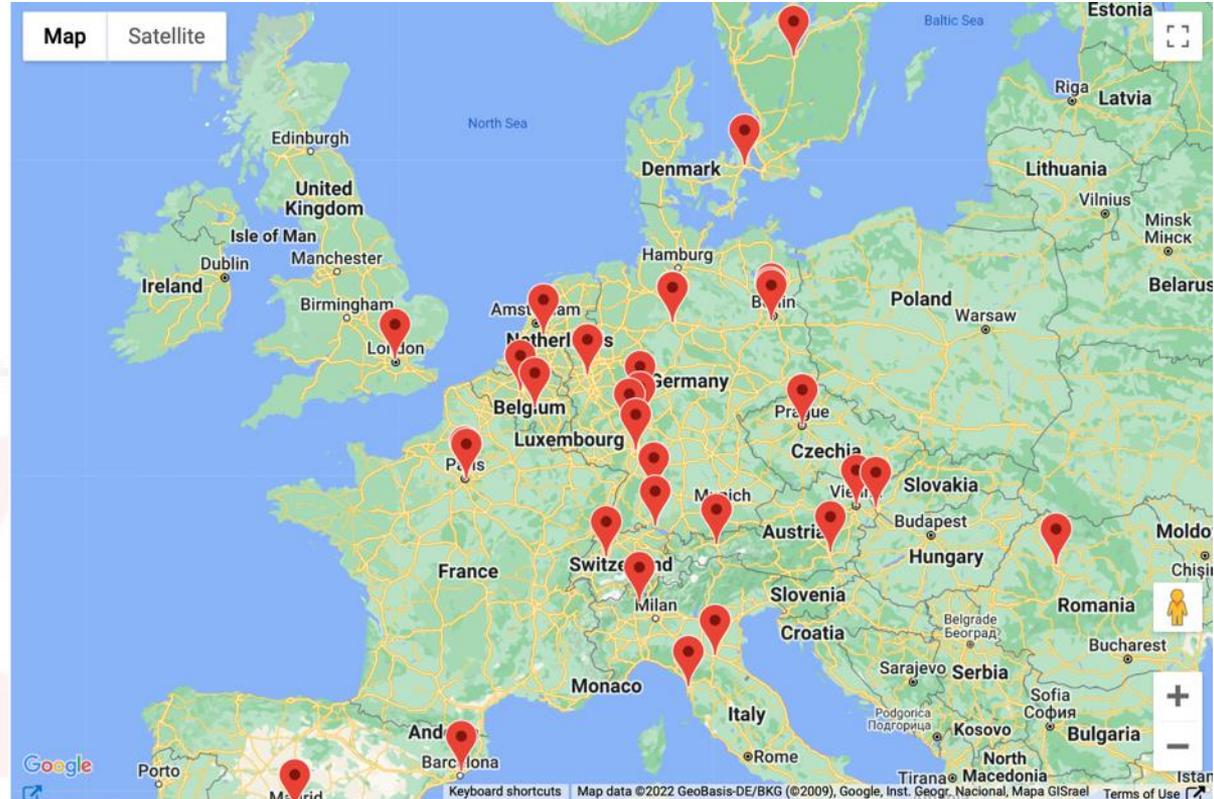
PDF

Resolution on plans and actions to accelerate the transition to innovation without the use of animals in research, regulatory testing and education

The resolution requires the Commission to establish an inter-service taskforce, including Member States and agencies, to **develop action plans (with timelines, indicators and milestones)** to better achieve the objectives of Directive 2010/63/EU, to accelerate the development of the alternative animal-free methods, technologies and instruments (**paragraphs 1 and 3**), and to address implementation and enforcement issues (**paragraph 4**). The private sector should be involved. **Government bodies** - but also the cross-sectoral European Partnership for Alternative Approaches to Animal Testing - **must improve their coordinating role (paragraph 7)**. While animal experiments are still needed in several areas (e.g. research on pharmaceuticals), alternative models could also enable new breakthroughs (**paragraph 2**).

The resolution calls for a mechanism for the preferential and targeted funding of non-animal methods across all EU research and innovation initiatives. It points out the Commission's commitment to the grouping of substances for risk assessment and the use of generic risk assessments, as they will contribute to reducing animal testing (**paragraph 5**). It also asks for reduction goals, and stresses the importance of updating test method requirements as soon as non-animal methods become available (**paragraph 6**).

# *Norge trenger et fysisk 3R-senter – det er 30 stk. i Europa alene*



## FELASA juni 2022: 2.200 deltagere fra 55 land



Norecopas arbeid ble nevnt i to av FELASAs tre plenumsforedragene.



**PREPARE**

**The PREPARE Guidelines Checklist**  
**Planning research and experimental procedures on animals (recommendations for feasibility)**  
 Authors: Gordon M. Haber, Gabriel S. Baril, John H. Johnson, Debra Hoover & Fred Rothstein  
 Norecopa and Norecopa Research Center for the 3R Center, Stockholm, Sweden. First published in the Journal of Animal Ethics, Issue 1, 2012, pp. 1-10. DOI: 10.1007/s11687-012-0001-0. Available online at: <http://www.journalofethics.org/animal-ethics/article-12-01-haber.html>

**PREPARE** consists of planning guidelines and an accompanying reporting guidelines tool (PREPARE-REPORT) used to assess the quality of the preparation for animal studies.

The topics will not be covered in detail in the video in which this presentation took place. The PREPARE-REPORT consists of several modules, each with a checklist. PREPARE focuses on the preparation of animal studies, such as those experiments that require the use of animals. The guidelines are available on the Norecopa website, [www.norecopa.com](http://www.norecopa.com), and are also available in other languages. The PREPARE-REPORT is available in English, French, German, Italian, Japanese, Korean, Spanish, and Swedish. The PREPARE-REPORT is available in English, French, German, Italian, Japanese, Korean, Spanish, and Swedish. The PREPARE-REPORT is available in English, French, German, Italian, Japanese, Korean, Spanish, and Swedish.

Topic	Recommendation
<b>(1) Formulation of the study</b>	
1. Literature searches	<input type="checkbox"/> Have a clear hypothesis, with primary and secondary objectives. <input type="checkbox"/> Consider the use of non-animal models. <input type="checkbox"/> Provide open dialogue and information available to be consulted and consulted several times. <input type="checkbox"/> Consider the relevance of the approach to be used, including any existing or emerging experimental questions with the best existing, and/or other, work. <input type="checkbox"/> Assess the feasibility, and/or viability, of the project.
2. Experimental design	<input type="checkbox"/> Consider the impact of the research objectives, experimental objectives for animal research and other areas, e.g. animal husbandry, occupational health and safety. <input type="checkbox"/> Consider relevant guidelines (e.g. EU guidelines on project/monitoring).
3. Ethical issues, harm/benefit, sample size	<input type="checkbox"/> Consider the harm/benefit. <input type="checkbox"/> In design with ethics committees, consider whether alternatives about the type of research have been considered and weighed against. <input type="checkbox"/> Address the 3Rs (Replacement, Reduction, Refinement) and the 5S (Spare, Spare, Spare, Spare, Spare) principles. <input type="checkbox"/> Address the impact of the research objectives, relevance and the 5S (Spare, Spare, Spare, Spare, Spare) principles. <input type="checkbox"/> Address the impact of the research objectives, relevance and the 5S (Spare, Spare, Spare, Spare, Spare) principles. <input type="checkbox"/> Address the impact of the research objectives, relevance and the 5S (Spare, Spare, Spare, Spare, Spare) principles.
4. Experimental design and statistical analysis	<input type="checkbox"/> Consider statistical methods, and/or other statistical methods. <input type="checkbox"/> Address the requirements of statistical analysis and/or other statistical methods. <input type="checkbox"/> Consider methods of randomization, random allocation, and/or other statistical methods. <input type="checkbox"/> Address the requirements of statistical analysis and/or other statistical methods.

Topic	Recommendation
<b>(2) Dialogue between scientists and the animal facility</b>	
1. Experimental design and design of study	<input type="checkbox"/> Arrange meetings with all relevant staff well in advance for the project work. <input type="checkbox"/> Conduct an assessment to ensure the project, including the need for resources with personnel, animal care, procedures and work. Report these resources. <input type="checkbox"/> Discuss and discuss all relevant and pertinent issues. <input type="checkbox"/> Establish a dialogue with the animal facility and ensure that all stages of the study.
2. Facility evaluation	<input type="checkbox"/> Conduct a pre-study inspection of the facility to ensure that all requirements and needs are met. <input type="checkbox"/> Discuss the facility with the animal facility.
3. Evaluation and training	<input type="checkbox"/> Assess the current competence of staff members and the need for further education or training prior to the study.
4. Staff roles and responsibilities	<input type="checkbox"/> Define roles and responsibilities in collaboration with the animal facility for all personnel and animal care staff. <input type="checkbox"/> Define roles and responsibilities in collaboration with the animal facility for all personnel and animal care staff.
<b>(3) Quality control of the components in the study</b>	
5. Test substance administration	<input type="checkbox"/> Provide a study schedule or protocol about test substance.
6. Experimental animals	<input type="checkbox"/> Define when the acquisition of the animal facility is needed for the study and for reporting. <input type="checkbox"/> Avoid generation of surplus animals.
7. Equipment and handling facilities	<input type="checkbox"/> Ensure that animals have health status, are used for transport, quarantine and housing. <input type="checkbox"/> Ensure that animals have health status, are used for transport, quarantine and housing.
8. Housing and husbandry	<input type="checkbox"/> Address the animal specific needs, including, in collaboration with expert staff. <input type="checkbox"/> Ensure that animals have health status, are used for transport, quarantine and housing.
9. Environmental conditions	<input type="checkbox"/> Ensure that animals have health status, are used for transport, quarantine and housing.
10. Personnel training	<input type="checkbox"/> Ensure that animals have health status, are used for transport, quarantine and housing.
11. Personnel	<input type="checkbox"/> Ensure that animals have health status, are used for transport, quarantine and housing.

Reference:  
 Haber GM, Baril GS, Johnson JH, Hoover D, Rothstein F (2012) PREPARE: Guidelines for Planning Research and Reporting on Animal Studies. *Journal of Animal Ethics* 1(1):1-10. DOI: 10.1007/s11687-012-0001-0. Available online at: <http://www.journalofethics.org/animal-ethics/article-12-01-haber.html>

Further information:  
[www.norecopa.com](http://www.norecopa.com) | [preparation@norecopa.com](mailto:preparation@norecopa.com) | [Facebook](https://www.facebook.com/norecopa) | [Instagram](https://www.instagram.com/norecopa)



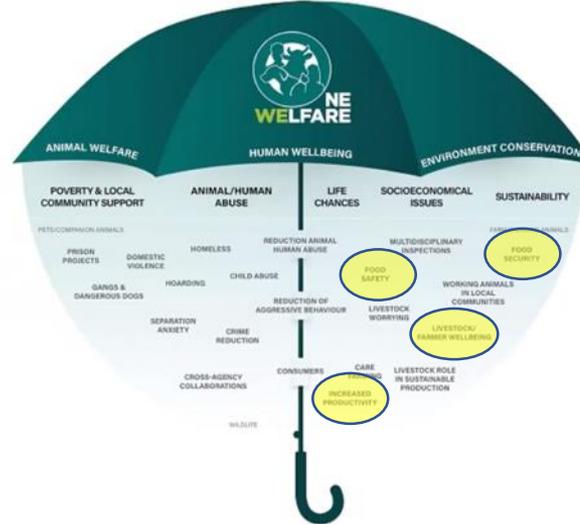
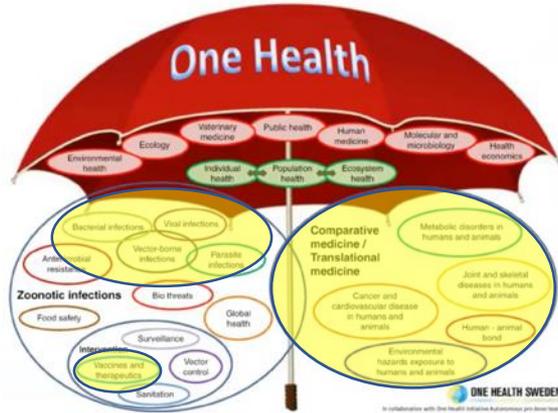
*Er Norecopa blitt en sovepute for myndighetene?*

## *Hvilke fordeler får Norge av å satse på 3R?*

- ✓ mer gyldige data fra dyreforsøk
- ✓ mer reproduerbare forsøk
- ✓ økt dyrevelferd
- ✓ bedre HMS på dyreavdelingene
- ✓ anerkjennelse fra EU og det norske samfunnet at vi drar lasset



# Forsøksdyr er også sentrale i Én-Helse og Én Velferd – men er sjeldent nevnt



8:33 / 51:51 1x

VPHI Webinar – 14.06.2022 – Carlos Gonçalo das Neves  
2022-08, [VPHI Webinar](#)

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## Konklusjon

1. *Ja, kunnskapsnivået har økt siden den forrige dyrevelferdsmeldingen – og det har vi tilgang til, gjennom Norecopas nettverk*
2. *Vi trenger økte ressurser til det norske arbeidet med 3R – nå - mer enn en ny melding*
3. *Vi trenger ikke en NoU om dyreforsøk. Det vil binde mye tid og ressurser som kunne heller brukes til å arbeide med aktuelle norske problemstillinger i et fysisk 3R-senter.*