

The Danish 3R-Center

- and the National Committee

What we do...



Bringing people together...

Tighter control of relative humidity improves Nurne breeding performance – a retrospective analysis

Aim of the study

Little is known about the effect of relative humidity (RH) on breeding performance. In this study, we aimed to evaluate the effect of RH on the performance of Nurne hens in a commercial setting.

Results

The results show that the mean relative humidity was 60% during the study period. The mean RH at the peak production was 60.2% (SD 1.1), while the mean RH at the lowest production was 59.5% (SD 1.1). The difference in relative humidity between the peak and the lowest production was statistically significant ($P < 0.05$).

The results also show that the mean relative humidity was higher during the peak production than during the lowest production ($P < 0.05$).

The results indicate that there is a positive correlation between relative humidity and breeding performance.

The results suggest that relative humidity has a positive effect on breeding performance.

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SCANBUR

The Danish 3R Symposium





The annual meeting for the animal welfare bodies



3Rs prize

Dissemination

DANISH 3R-CENTER ANNUAL REPORT 2020

Replacement
Reduction
Refinement

Refinement - minimise suffering and improve animal welfare

About us Research 3R organizations 3R Laboratory Animals Symposium Dansk

from around the world

01-11-2021
The RepRefRed Society is holding a 3 day online event - November 10-12, 2021. See the program and register here.

01-11-2021
The 3R Days 2021

26-10-2021
Replacing BMEs

25-10-2021
The Behavioural Biology of Laboratory Animals

Ministry of Food, Agriculture and Fisheries of Denmark
Danish National Committee for the Protection of Animals used for Scientific Purposes

News RSS

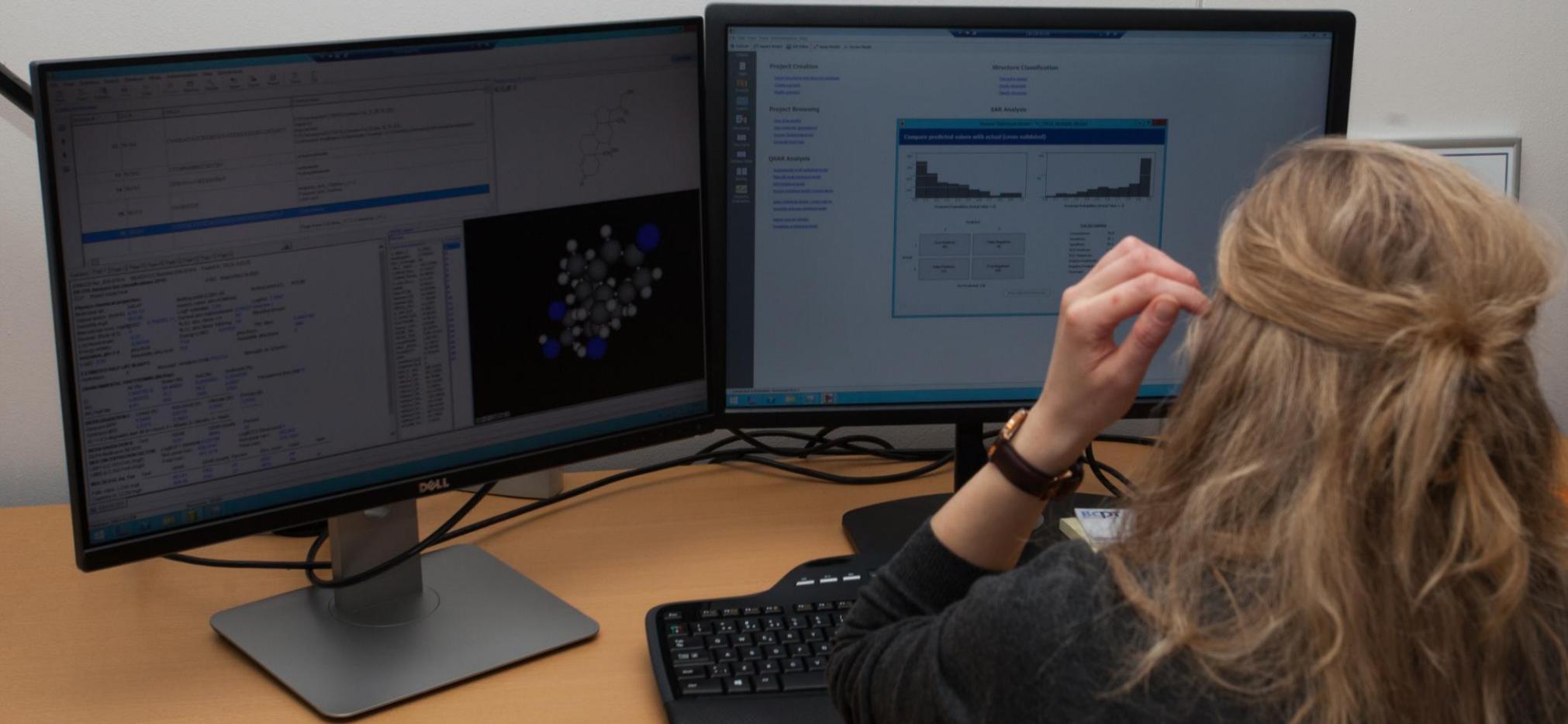
NC 3Rs National Centre for the Replacement Refinement & Reduction of Animals in Research

Animal Technicians' Symposium 2021

AWB Seminars held by RSPCA

Ministry of Food, Agriculture and Fisheries of Denmark
Danish National Committee for the Protection of Animals used for Scientific Purposes

Research funding



Danish 3R-Center
RRR

Letter

Consensus Statement from the European Network of 3R Centres (EU3Rnet)

*Winfried Neuhaus**

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A Network of European 3R Centres (EU3Rnet) was established in connection with the EUSAAT conference in 2018 in order to strengthen cooperation between different centres. Increased co-operation has a multitude of benefits, since many of the efforts made by local or regional centres are of national and international importance. As an important step, the members have decided to publish a consensus statement for the network.

Consensus Statement

EU3Rnet embraces *all* of the 3Rs (*Replacement*, *Reduction* and *Refinement*) throughout its work, since the 3Rs are the foundation of improved conditions for research animals and for better science.

EU3Rnet also considers it important to focus on *Non-Animal Methods*¹ as part of its collaborative efforts. *Non-Animal Methods* have largely been developed further after the introduction of the 3R concept by Russell and Burch² in 1959, thanks to technological advances in *in vitro* and *in silico* methods. EU3Rnet will therefore endeavour to promote this approach, so that researchers do not consider animal models by default when answering research questions, and instead consider the range of *Non-Animal*

Methods available, in order to avoid the unnecessary use of animal experimentation. When a relevant *Non-Animal Method* or an alternative *Replacement* method³ to an animal model does not exist, the possibilities for *Reduction* and *Refinement* of the model must be examined.

EU3Rnet considers it important that internationally relevant national efforts to develop and promote the 3Rs and *Non-Animal Methods* are disseminated within the network. The network will disseminate such information to its members, who in turn will disseminate the information further through their communication channels (which include websites, newsletters, symposia, training activities, annual reports and other channels).

EU3Rnet will emphasize the importance of involving all members of the research animal community in these efforts to develop and disseminate 3R resources. These include animal carers, technologists, veterinarians, teachers, lecturers and scientists.

All of the 3R centres in EU3Rnet pledge themselves to prioritization of their dissemination efforts. Whenever possible, they will use publically available platforms to disseminate this knowledge, in order to maximize exposure.

Cooperation



National Centre
for the Replacement
Refinement & Reduction
of Animals in Research



Utrecht University

3Rs-Centre ULS



3 R
C C

Swiss 3R
Competence
Centre



Recommendations and statements



Fødevarestyrelsen den 20. September 2021



Recommendations regarding antibodies from the National Committee for Laboratory Animals and Alternatives, Denmark



Dyreelfærdsorganerne i Danmark er særdeles velfungerende

Udtalelse fra Udvalget for Forsøgssdyr og Alternativer



Brug af dyr i undervisning

Udtalelse af Danmarks 3R-Center og Udvalget for Forsøgssdyr og Alternativer

Siden etablering af Danmarks 3R-Center og Udvalget for Forsøgssdyr og Alternativer (det nationale udvalg) har bestyrelsen haft fokus på EU direktivets intention om at erstatte dyr med dyrefri metoder, hvor det er muligt. Et fokusområde har været brug af dyr i undervisningsøjemed.

I Danmark benyttes der dyr i undervisning i forbindelse med visse naturfaglige uddannelser. Det kan være undervisning ved 1) indlæring af basale færdigheder (f.eks. undervisning af dyrlæger) eller 2) ved undervisning i anatomii/fysiologi/farmakologi eller lignende, hvor det ikke er for at lære en teknik, men udelukkende af indlæringsmæssige årsager, at der benyttes forsøgssdyr. Derudover kan der være undervisning i forbindelse med kurser, hvor ovenstående inddeling også er gældende.

Dyreelfærdsorganernes Styregruppe¹ foretog i 2019 en undersøgelse af landets dyreelfærdsorganer for at opnå viden om deres *organisering, kommunikation og arbejdsopgaver*². På baggrund af denne undersøgelse - sammenholdt med erfaringer som *Udvalget for Forsøgssdyr og Alternativer* har gjort sig gennem en årrække med landets dyreelfærdsorganer – konkluderer *udvalget*, at vi har særdeles velfungerende dyreelfærdsorganer i Danmark – og det på trods af, at etableringen af et dyreelfærdsorgan først blev gjort lovligt i 2013.

Joint European funding principles for research involving animals



Danmarks
Grundforskningsfond
Danish National
Research Foundation



Kræftens
Bekæmpelse

NOVO
nordisk
fonden



Gigtforeningen



DANMARKS FRIE
FORSKNINGSFOND



HJERTE
FORENINGEN

Danish 3R-Center
RRR



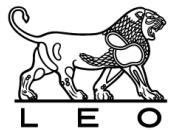
Ministry of Food, Agriculture
and Fisheries of Denmark

Danish National Committee
for the Protection of Animals
used for Scientific Purposes

Danish 3R-Center
RRR

See you next year...

November 8-9



**ANIMAL PROTECTION
DENMARK**



Ministry of Environment
and Food of Denmark



Lundbeck



Ministry of Food, Agriculture
and Fisheries of Denmark

Danish National Committee
for the Protection of Animals
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