



EU 6th Framework Programme Project # LSSB-CT-2004-504776

CONAM SURVEY 3Rs IMPLEMENTATION IN EUROPE

EXPERT REPORT
By CONAM Ethical Working group






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I. AUSTRIA

Contact ecopa Platform

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Fax: ++43-512507-2875.

o Email: walter.pfaller@gmail.com

3R's Legislation

- Austrian Animal Experiments Act (Tierversuchsgesetz – TVG)
 - o Website: <http://www.zet.or.at/recht/oe-tvg.htm>

Not the 3 Rs but the directive 68/609 EEC is implemented in the Austrian Animal Experimentation Law, which is currently administered by the federal Ministry of Education, Science and Culture for all universities. For industry and non-university institutions the local legislation, administered by the chief veterinarian of the respective province is responsible for licensing animal experiments.

Competent authority/Ministry with regard to animal experimentation

- The Ministry of Education, Science and Culture
(Bundesministerium für Wissenschaft und Forschung)
 - o Website: www.bmbwf.gv.at/
- The Ministry of Social Security and Generations
(Bundesministerium für soziale Sicherheit, Generationen und Konsumentenschutz), (transgenic)
 - o Website: www.bmags.gv.at/
- The Ministry of Economics and Labour
(Bundesministerium für Wirtschaft und Arbeit)
 - o Website: www.bmwa.gv.at/BMWA/default.htm
- The Ministry of Agriculture, Forestry, Environment and Water Management (Lebensministerium)
 - o Website: www.lebensministerium.at/

Lab animal Science Courses

No regular courses of this type are part of their educational system. Walter Pfaller started in the summer 2006 semester a lecture on “Alternatives to animal testing based on the 3 Rs” for the Biomedicine and Biotechnology doctoral study course at the Vienna Veterinary University. But this course is not given on a regular basis.

National consensus platform for alternatives

ZET - Zentrum für Ersatz- und Ergänzungsmethoden zu Tierversuchen (Centre for Alternative and Complementary Methods to Animal Testing)

o Website: <http://www.zet.or.at>

Information Centre for Alternatives to animal experimentation

ZET is the national platform and also fulfills the job of public information

Scientific research ethics of animal experimentation

- Mag. Erwin Lengauer, Institute for Ethics and Science in a Dialog, Faculty for Philosophy, University of Vienna, Universitaestr. 7, A-1010 Vienna.

o Email: erwin.lengauer@univie.ac.at

2. BELGIUM

Contact ecopa platform

Prof. Dr Jean-Paul Beaufays, Director BPAM,
Administrator of the Prince Laurent Foundation.

BPAM - Belgian Platform for Alternative Methods to Animal Testing (PBMA
- Plate-forme Belge des Méthodes Alternatives à l'expérimentation animale)

Avenue Paul Deschanellaan 36-38, 1030 Brussel, Belgium

Tel.: ++32-2-2449705

Fax: ++32-2-2430947

o Email: bpam@stichting-prins-laurent.be

3R's Legislation

Implementation of 3R's in Belgium legislation in:

- Royal Decree on the Protection of experimental animals (Arrêté Royal du 14 novembre 1993 relatif à la protection des animaux d'expérience - Koninklijk besluit van 14 november 1993 betreffende de bescherming van proefdieren):
 - o Website: https://portal.health.fgov.be/pls/portal/docs/PAGE/INTERNET_PG/HOMEPAGE_MENU/DIERENENPLANTENI_MENU/DIERENWELZIJNI_MENU/DIERPROEVENI_MENU/DIERPROEVENI_DOCS/AR-KB%20LABOS%20VERSION%20COORDONN%C3%89E_0.PDF
- Law on Animal Protection and Animal Welfare (Loi du 14 août 1986 relative à la protection et au bien-être des animaux - Wet van 14 augustus 1986 betreffende de bescherming en het welzijn der dieren) :
 - o Website: http://www.gaia.be/ned/downloads/wetgeving/wet_bescherming_en_het_welzijn_der_dieren.pdf

A study of the BPAM concerning this particular legislation:

Di Pietro E. et Beaufays J.-P., "L'intégration des méthodes alternatives à l'expérimentation animale dans la législation belge", publish in Beaufays J.-P. (ed), "Les méthodes alternatives à l'expérimentation animale : choix éthique et meilleure science ?", Revue des Questions Scientifiques Tome 176 (n°3-4), 2005, pp. 209-416. (Dutch translation in progress)

Competent authority/Ministry with regard to animal experimentation:

- The Federal Authority Public Health, Food Safety and Environment (Le service Bien-être animal et CITES du Service public fédéral de la Santé publique, Protection de la Chaîne alimentaire et Environnement - De dienst Dierenwelzijn en CITES van de Federale Overheidsdienst Volksgezondheid, Veiligheid van de Voedselketen en Leefmilieu)
 - o Website: <http://www.belgium.be/eportal/application?origin=navigationBanner.jsp&event=bea.portal.framework.internal.refresh&pageid=charterDetailPage&navId=3653>
- Contact authorities: Dr Jean Belot, SPF Santé publique, Protection de la Chaîne alimentaire et Environnement, Direction générale Animaux, Végétaux et Alimentation, Eurostation Bloc II – 7e étage, Place Victor Horta 40, 1060 Bruxelles, Tel : 00 32 (0)2/5247414, Fax : 00 32 (0)2/5247448
 - o E-mail : jean.belot@health.fgov.be

Lab animal Science Courses

Belgium provides educational courses of laboratory animal science and instruction about the 3 R's at a.o.

- Universiteit Gent
 - o <http://www.opleidingen.ugent.be/studiegids/>
 - o <http://www.opleidingen.ugent.be/studiegids/CURRENT/NL/STUDY/IS300/GNLABA/INDEX.HTM>
- Katholieke Universiteit Leuven
 - o http://med.kuleuven.be/phd/verbred/verbr09_nl.html
 - o <https://gbiomed.kuleuven.be/phd/Verbreiding/Module%20II-2007.doc>
- Université de Namur: JP Beaufays, teacher of alternative methods
 - o www.fundp.ac.be/
- Université Libre de Bruxelles: P. Lybaert
- BPAM: B. Schils and E. Di Pietro, researchers in ethics.
 - o www.fondation-prince-laurent.be or www.stichting-prins-laurent.be/
- Vrije Universiteit Brussel; V. Rogiers, Safety Assessment Course of Cosmetics in the EU - Training Course, Intensive Course in Dermato-Cosmetic Sciences, and Course Toxicology, 1st Master in Pharmacy.
 - o <http://safetycourse.vub.ac.be/>
 - o <http://dercoscourse.vub.ac.be/>
 - o http://minf.vub.ac.be/index.php?option=com_content&task=view&id=28&Itemid=69

- Vrije Universiteit Brussel, E. Wyffels, proefdierkunde I, 3e Bachelor Biomedische Wetenschappen, (Niv A, Felasa Category)
- Vrije Universiteit Brussel, E. Wyffels, proefdierkunde II, 1e Master Biomedische Wetenschappen, (I+II= Niv. B, Felasa Category- Biotechnicus)
- Vrije Universiteit Brussel, E. Wyffels, proefdierkunde III, 1e Master Biomedische Wetenschappen, (I+II+III=Niv. C, Felasa Category- Proefleider)
- Vrije Universiteit Brussel, R. Vrijssen, Department of Pharmaceutical Biotechnology and Molecular Biochemistry

See the following paper: Belot J., “Formations disponibles en Belgique : état des lieux”, in Beaufays J.-P. (ed), “Les méthodes alternatives à l’expérimentation animale : choix éthique et meilleure science ?”, to appear in the Presses Universitaires de Namur.

National consensus platform for alternatives

- the Belgian Platform for Alternative Methods to Animal Testing BPAM (Belgian Platform for Alternative Methods to Animal Testing)
 - o Website: <http://www.fondation-prince-laurent.be>

Comité déontologique

For more information on this “Comité déontologique”, please contact :
 Dr Jean Belot, SPF Santé publique, Protection de la Chaîne alimentaire et Environnement, Direction générale Animaux, Végétaux et Alimentation, Eurostation Bloc II – 7e étage, Place Victor Horta 40, 1060 Bruxelles,
 Tel : 00 32 (0)2/5247414, Fax : 00 32 (0)2/5247448

- o E-mail: jean.belot@health.fgov.be

Lab Animal Science Society: Belgian Council for Laboratory Animal Science

For more information: Belgian Council for Laboratory Animal Science V.Z.W.
 Egmontstraat 11, BE-1000 Brussel

- o Website: www.bclas.org/
 See also: http://www.bclas.org/Courses/FOD_20060428_Opleidingen%20Proefdierkunde.pdf
- o Email: info@bclas.org

Scientific research ethics of animal experimentation

- BPAM (J-P Beaufays, B. Schils and E. Di Pietro). BPAM is working on an inventory of scientific research ethics of animal experimentation
 - o www.fondation-prince-laurent.be or www.stichting-prins-laurent.be/
- Université de Namur, Dpt “Sciences, philosophies et sociétés”, J-P Beaufays
 - o www.fundp.ac.be/
- Katholieke Universiteit Leuven, Research Unit Theological Ethics in the Faculty of Theology, J. De Tavernier
 - o <http://www.kuleuven.be/>
- Vrije Universiteit Brussel, “Inleiding tot de masterproef”, T. Vanhaecke
 - o http://minf.vub.ac.be/index.php?option=com_content&task=view&id=28&Itemid=69
- Vrije Universiteit Brussel, “Topics in pharmaceutical research “, “Topics in pharmacy research”, S. Sterckx.

3. BULGARIA

Contact ecopa Platform

Ralitsa Atanasova, IWNS (Intimate With Nature Society) and coordinator for the animals used for experimental purposes and a member of the Ethics Committee at the Ministry of Agriculture.

o Email: r.atanasova@iwns.org

3R's Legislation

- Ordonance for Protection and Welfare of Laboratory Animals
- website to the full text of this particular legislation =
 - o <http://www.mzgar.government.bg/NacSlujbi/NVMS/ZVMD-New.pdf>
 - o http://www.mzgar.government.bg/nacslujbi/nvms/official_doc.htm
 - o <http://iwns.org/content/view/full/147137/lang,bg/>

Competent authority/Ministry with regard to animal experimentation

- Ministry of Agriculture and Forestry
 - o Website = http://www.mzgar.government.bg/mz_eng/default.asp

Lab animal Science Courses

- No educational courses.
- During the introduction of some educational courses brief information is provided concerning the 3 R's (like Pathophysiology at the University of Forestry - Faculty of Veterinary Medicine)
 - o Website: http://www.ltu.bg/Pages/Main_file_ENG.html

National consensus platform for alternatives

- No

Information Centre for Alternatives to animal experimentation

- No

Scientific research ethics of animal experimentation

- No

4. CYPRUS

Contact ecopa Platform

Dr Giorgos Neophytou, Director of Veterinary Services.

o Email: director@vs.moa.gov.cy

3R's Legislation

- Law 30(I)/95 amendment 115(I)/2000 and 133(I)/2005
 - o Website to the full text of this particular legislation = not available

Competent authority/Ministry with regard to animal experimentation

- Ministry of Agriculture, Natural Resources and Environment (Veterinary Services)
 - o Website = http://www.moa.gov.cy/moa/Agriculture.nsf/index_en/index_en?OpenDocument

Lab animal Science Courses

No courses. Only the Cyprus Institute of Neurology & Genetics (www.cing.ac.cy) conducts animal research. With each license a description of the principle of the three Rs is provided for the licence holder.

National consensus platform for alternatives

- none

Information Centre for Alternatives to animal experimentation

- none

Scientific research ethics of animal experimentation

- none

5. DENMARK

Contact *ecopa* Platform

Jann Hau, DACOPA (Danish Consensus Platform for 3R Alternatives to Animal Experimentation)

o Email: JHAU@emed.ku.dk

3R's Legislation

Implementation of 3R's in Danish legislation are:

- The Animal Testing Act Consolidation Act no. 726 1993 amended by Act 1081 1995
- subordinate Executive Orders no 739, 332, 333 (amended by 245), 715, 716.
 - o Website to the full text of this particular legislation = www.jm.dk

Competent authority/Ministry with regard to animal experimentation

- The Danish Ministry of Justice.
 - o Website = www.jm.dk

Lab animal Science Courses

- Felasa accredited C and D courses Laboratory Animal Science: Copenhagen, A.K. Hansen (akh@life.ku.dk); Odense, P. Bollen (pbollen@health.sdu.dk)
- Master Course of Laboratory Animal Science (see *ecopa* website)
Course objectives: A new postgraduate programme dealing with the welfare of laboratory animals, the legal and ethical aspects of using laboratory animals, management and development of a laboratory animal facility.
Master of Laboratory Animal Science (MLAS) is a part-time, post-graduate programme with a total duration of one study-year, which gives the competence to make provisions for the health and welfare of the animals within the facility as well as the competence to manage both human, animal and physical resources of a laboratory animal facility.

The MLAS programme meets the requirements of the European Convention for the Protection of Vertebrate Animals used for Experimental and other Scientific Purposes, ETS no. 123, which states that a laboratory animal facility must have a specialist a competent person – being responsible for the health and welfare of the animals. The convention was ratified by Denmark in 2000.

- o Website: <http://uk.kvl.dk/main.asp> > present students > continuing education > master of laboratory animal science
(14/01/06 = website is not functional)
- o http://uk.kvl.dk/dok/S/EFTERUDDANNELSE/LAB_ANIMAL_SCI-ENCE%202004.PDF

National consensus platform for alternatives

- DACOPA (Danish Consensus Platform for 3R Alternatives to Animal Experimentation) under the Ministry of Justice.
 - o Website under preparation

Information Centre for Alternatives to animal experimentation

- No information centre, but it may be a DACOPA project.
- Lab Animal Science Society: Scandinavian Society for Laboratory Animal Science
 - o Website: www.scandlas.org

Scientific research ethics of animal experimentation

- Professor Peter Sandøe, Royal Veterinary and Agricultural University, Copenhagen
 - o Website: www.kvl.dk

6. ESTONIA

Contact ecopa Platform

Marcus Proses, Chief Specialist of the Animal Welfare and Zootechnics Bureau of the Ministry of Agriculture.

- o Email: margus.proses@agri.ee

3R's Legislation

Implementation of 3R's in Estonian legislation in:

- Estonian Animal Protection Act 2001. The chapter about the Protection of Experimental Animals is to be enforced.
 - o Website to the full text of this particular legislation = <http://www.riigiteataja.ee/ert/act.jsp?id=961640>

Competent authority/Ministry with regard to animal experimentation

- the Ministry of Agriculture
 - o Website = <http://www.agri.ee/eng/>

Lab animal Science Courses

- none

National consensus platform for alternatives

- none

Information Centre for Alternatives to animal experimentation

- none

Scientific research ethics of animal experimentation

- none

7. FINLAND

Contact ecopa Platform

Prof. Hanna Tähti, Cell Research Centre, Medical School, 33014 University of Tampere, FINLAND

Phone +358 505672728

o Email: hanna.tahti@uta.fi

3R's Legislation

The 3 Rs are implemented in the law of the act on animal experimentation (Laki koe-eläintoiminnasta 20.1.2006/62). The law is in Finnish and in Swedish, which are the official languages in Finland (not in English).

o Website to the full text of this particular legislation = <http://www.finlex.fi/fi/laki/ajantasa/2006/20060062>
(Both Finnish and Swedish text are available)

Competent authority/Ministry with regard to animal experimentation

- Ministry of Agriculture and Forestry, Food and Health Department
 - o <http://www.mmm.fi/fi/index/virhe.html>
- Ministry of Social Affairs and Health (GMOs)
 - o <http://www.stm.fi/Resource.phx/eng/subjt/inter/eu/index.htx>

Lab animal Science Courses

The educational laboratory animal courses containing the principles of 3Rs are organized in the universities of Helsinki, Kuopio, Oulu, Tampere and Turku. This education is a legal obligation for researchers conducting animal experiments. Unfortunately there are (at the moment yet) no web addresses for those courses.

The Tampere university organizes courses in cell culture and alternative methods for scientists coming from different universities, but this is not on a regular basis.

National consensus platform for alternatives

FINCOPA = Finnish Consensus Platform for Alternatives

o Website: <http://www.uta.fi/jarjestot/fincopa/>

Information Centre for Alternatives to animal experimentation

From its very beginning (1999) Tampere University Cell Research Centre (CRC) has been an unofficial information centre for alternatives to animal experimentation in Finland. From the beginning of the year 2007 it will act as an official Centre for Alternatives in Finland. The web pages will be opened, and the purpose is to collect information on all 3Rs, especially on Replacements methods. The contact person is prof. Hanna Tähti (hanna.tahti@uta.fi). The web pages are under construction.

When the Information Centre in Tampere University will start its activity, it will provide information about educational courses on its webpages.

Scientific research ethics of animal experimentation

Finland has no research on the ethics of animal experimentation. (Professor Veikko Launis is professor in medical ethics at the University of Turku, expert in bioethics, mainly from the viewpoint of medicine and human).

8. GERMANY

Contact ecopa Platform

Christiane Buta, executive secretary of the foundation SET (Stiftung für Förderung der Erforschung von Ersatz- und Ergänzungsmethoden zur Einschränkung von Tierversuchen), Karlstrasse 21, 60329 Frankfurt am Main

Tel. +49-69-2556-1226

Fax +49-69-2556-1227

o Email: info@stiftung-set.de or buta@stiftung-set.de

3R's Legislation

Implementation of 3R's in German legislation in the Animal Welfare Act (Tierschutzgesetz). The 3Rs are not implemented in a direct way, only indirectly. Then there is only the Council Directive 86/609/EWG.

website to the full text of this particular legislation:

- Tierschutzgesetz (the Animal Welfare Act) in German:
 - o Website: http://www.bmelv.de/cln_045/nn_753136/SharedDocs/Gesetzestexte/T/Tierschutzgesetz.html
- An older version in English, from Michigan state university, i.e. NOT a official site form the German authorities:
 - o Website: <http://www.animallaw.info/nonus/statutes/stdeawa1998.htm>

An official English version of this particular legislation is not available on the internet, but Siftung SET has requested the Ministry to supply an English version.

Competent authority/Ministry with regard to animal experimentation

- Federal Ministry of Food, Agriculture and Consumer Protection (Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz)
 - o http://www.bmelv.de/cln_045/nn_749980/EN/08AnimalWelfare/
 - o http://www.bmelv.de/cln_045/nn_754188/DE/07-SchutzderTiere/___SchutzderTiere___node.html___nnn=true

Lab animal Science Courses

- ZEBET (= Zentralstelle zur Erfassung und Bewertung von Ersatz- und Ergänzungsmethoden zum Tierversuch / Centre for Documentation and Evaluation of Alternatives to Animal Experiments) regularly stages seminars in order to discuss its work, interesting research projects or current issues in

the field of alternative methods with scientists from BgVV or other research institutes. Representatives of animal protection associations also attend the seminars.

- o Website: <http://www.bfr.bund.de/cd/1591>

- Prof. Dr. Marcel Leist, Doerenkamp-Zbinden Chair for alternative in vitro methods at the University of Konstanz.

- o Email: marcel.leist@uni-konstanz.de

- Lab Animal Science Society: Gesellschaft für Versuchstierkunde

- o Website: <http://www.gv-solas.de/>

- SET promotes a course about alternatives to animal testing at the University of Münster: "Alternatives to Animal Testing: theoretical and practical basic course" (Alternativen zum Tierversuch: Vermittlung von theoretischen und Praktischen Grundlagen), given by Dr. Joachim Kremerskothen,

- o Email: bbs.uni@uni-muenster.de

National consensus platform for alternatives

- Stiftung SET = Stiftung für Forderung der Erforschung von Ersatz- und Ergänzungsmethoden zur Einschränkung von Tierversuchen (SET)

- o Website: <http://www.tierversuche-ersatz.de>

Information Centre for Alternatives to animal experimentation

- ZEBET (Centre for Documentation and Evaluation of Alternatives to Animal Experiments)

- o Website: <http://www.bfr.bund.de/cd/1591>

Scientific research ethics of animal experimentation

- No information available

9. IRELAND

Contact ecopa Platform

Dr Niamh Tuite, UCD School of Biomolecular and Biomedical Science, Conway Institute, University College Dublin, Belfield, Dublin 4, Ireland.

Phone: 353-1-7166820

o Email: niamh.tuite@ucd.ie

3R's Legislation

Implementation of 3R's in Irish legislation in: the Cruelty to Animals Act 1876, with amendments.

Under Irish legislation the use of animals in research is strictly controlled. Under this legislation, an experiment involving an animal shall not be performed if another scientifically satisfactory method of obtaining the result sought, not entailing the use of an animal, is reasonably and practicably available. Where animal experiments are deemed necessary, the minimum number of animals must be used, experiments should involve animals with the lowest degree of neuro-physiological sensitivity, and methods must be chosen that cause the least pain, suffering, distress or lasting harm to the animal.

o Website to the full text of this particular legislation
<http://www.irishstatutebook.ie/ZZSI566Y2002.html>

Competent authority/Ministry with regard to animal experimentation

- the Department of Health and Children

o Website: http://www.dohc.ie/public/information/environmental_health/animal_experimentation.html

Lab animal Science Courses

LAST-Ireland (Laboratory Animal Science & Training) is a training programme and support structure to help the scientific community in Ireland to use animals in accordance with best international and national practices. Training courses for researchers working with animals are run twice yearly, in spring and autumn. This course provides education and training in the ethical and appropriate conduction of animal experiments and informs participants of the principles of

Reduction Refinement and Replacement on which European legislation is based. The course follows the guidelines drawn up by the Federation of European Laboratory Animal Science Associations (FELASA).

- o Website: <http://www.last-ireland.org/>
- o Email: sec@last-ireland.org

National consensus platform for alternatives

Ireland does not have a national consensus platform for alternatives but this is currently being developed.

Contactperson : Prof. M. Ryan michael.P.Ryan@ucd.ie

Information Centre for Alternatives to animal experimentation

Ireland does not have an Information Centre for Alternatives to animal experiments. Ireland liaises closely with the UK in this regard.

Scientific research ethics of animal experimentation

No information available.

10. ITALY

Contact ecopa Platform

Dr. Annalaura Stammati, Environment and Primary Prevention Department,
Mechanisms of Toxicity Unit, Istituto Superiore di Sanità, Viale Regina Elena,
299, 00161 Roma.

Tel: +39 06 49903158, Fax: +39 06 49387139

o Email: annalaura.stammati@iss.it

3R's Legislation

Implementation of 3R's in Italian legislation in: the Legislative Decree 116/92
(Decreto legislativo 116/92).

o Website to the full text of this particular legislation = no details given.

Competent authority/Ministry with regard to animal experimentation

- Ministry of Health

o Website = <http://www.sanita.it>

o Email: s.papalia@sanita.it

Lab animal Science Courses

- Given by the Italian Association of Laboratory Animal Sciences (AISAL =
Associazione Italiana Per Le Scienze Degli Animali Da Laboratorio) affili-
ated to the Federation of European Laboratory Animal Science Associations
(FELASA)

o Website: <http://www.felasa.eu/index.htm>):

o Website: <http://www.aisal.org/>

o Istituto di Neurobiologia e Medicina Molecolare, CNR, Roma, Italy Dr.
Riviello: stabulariofondazione@yahoo.it

o Istituto Superiore di Sanità (Vitale: augusto.vitale@iss.it ; Stammati:
stammati@iss.it)

National consensus platform for alternatives

- the Italian Platform on Alternative Methods (IPAM)

o Website: <http://www.ipamitalia.it/chisiamo.asp>

Information Centre for Alternatives to animal experimentation

- Does not exist
- Lab Animal Science Society: Associazione Italiana per Scienze degli Animali da Laboratorio
 - o Website = www.aisal.org

Scientific research ethics of animal experimentation

European Project co-ordinated by Dr. Flavia Zucco: ANIM.AL.SEE:

- o Website: www.inmm.cnr.it/animalsee.html

II. LITHUANIA

Contact ecopa Platform

Prof., Dr. Osvaldas RUKSENAS, Department of Biochemistry and Biophysics,
Faculty of Natural Sciences, Vilnius University, Ciurlionio 21, 03101 Vilnius,
Lithuania

tel.: (+370 5) 2398 222, fax: (+370 5) 2398 216

- o Email: osvaldas.ruksenas@gf.vu.lt
- o Website: <http://www.gf.vu.lt/bbk>

3R's Legislation

Implementation of 3R's in Lithuanian legislation in:

- Law on Animals Care, Handling and Use, 1997
- Veterinary Regulations on Breeding, Handling and Transportation of Laboratory Animals, 1998
- Rules of Good Laboratory Practice, 1999
- Rules on the Use of Laboratory Animals in Scientific Experiments, 1999
 - o Website to the full text of this particular legislation = not available

Competent authority/Ministry with regard to animal experimentation

- Ethics committee under auspices of State food and veterinary service
 - o Website: www.vet.lt

Lab animal Science Courses

- yes: at the Vilnius University (this is the only course on LAS in Lithuania), with coordinator Ruksenas (see contact)
 - o Email: osvaldas.ruksenas@gf.vu.lt
 - o Website: <http://www.gf.vu.lt/bbk>

National consensus platform for alternatives

- not existing

Information Centre for Alternatives to animal experimentation

- not existing

Scientific research ethics of animal experimentation

- not existing

12. THE NETHERLANDS

Contact ecopa Platform

Iris Arendzen, Dutch Alternatives to Animal Experiments Platform (Platform)
+31-70-4484906

Email: Iris.arendzen@vwa.nl

3R's Legislation

Implementation of 3R's in Dutch legislation are:

- The Dutch Experiments on Animals Act 1997.
 - o *Website to the full text of this particular legislation = http://www.vet.uu.nl/nca_nl/userfiles/other/The_Dutch_Experiments_on_Animals_Act.pdf*

Competent authority/Ministry with regard to animal experimentation

- The Dutch Ministry of Public health, Welfare and Sport.
 - o *Website = www.minvws.nl*

Lab animal Science Courses

- Master Course of Laboratory Animal Science .The aim of the postgraduate MSc course on Laboratory Animal Science is to prepare for a position as leader/advisor in the field of animal-based research. After finishing the course, participants have a broad view on the requirements for a responsible use of animals in research.

The total length of the course is 18 months, and consists of several modules (in total 6 months) and a research training (12 months).

- o *Website: www.vet.uu.nl/viavet/viavet_english/departementen/dwm/proefdierkunde*
- By law, all biological, veteriniarian and biomedical researchers had to follow a 2 weeks course (3ECTS) on Lab animal Science. This course is offered at all universities in the Msc program and is coordinated by the department of Lab Animal Sciences.
 - o *Website: http://www.vet.uu.nl/viavet_english/departementen/dwm/proefdierkunde*
 - o *Amsterdam (UvA & VU) <http://studiegids.uva.nl/web/sgs/en/c/7110.html>*
 - o *Groningen www.rug.nl/fwn/onderwijs/fwnOnderwijsCatalogus/vakken/BIIFAB2I*

- o Nijmegen www.umcn.nl/student/afdelingen/cdl/cursus_proefdierkunde
- o Maastricht www.fdg.unimaas.nl/aioonderwijs/deel_2_0036_0037.htm
- o Leiden <http://www.studiegids.leidenuniv.nl/index.php3?m=16&c=17&t=3&v=&k=15235&oc=5336>

National consensus platform for alternatives

- the Dutch Alternatives to Animal Experiments Platform (Platform) and the Programme Committee Alternatives to animal experimentation (PrAD) of the 'Netherlands Organisation for Health Research and Development' (Zon-Mw).

The Platform is composed of representatives of the Dutch government, industry and animal protection organisations and advises the Minister of Health. PrAD financially stimulates the development of alternative models and is responsible for the implementation of the results..

- o Website: www.zonmw.nl/en/programmes/alternatives-to-animal-experiments.html

Information Centre for Alternatives to animal experimentation

- NCA (The Netherlands Centre for Alternatives to Animal Use) The NCA is part of the Department for Animals, Science & Society of the Faculty of Veterinary Medicine within Utrecht University.
 - o Contact: Dr. Jan Van Der Valk : j.b.f.vandervalk@vet.uu.nl
 - o Website = www.vet.uu.nl/nca_nl/nca/home
- Lab Animal Science Society: Nederlandse Vereniging voor Proefdierkunde
 - o Website: www.proefdierkunde.nl

Scientific research ethics of animal experimentation

- Professor Tjard de Cock Buning, Vrije Universiteit Amsterdam
 - o Website = www.athena-instituut.nl
- Professor Frans Brom, Wageningen UR
 - o Website = www.wau.nl
- Professor Hub Zwart, Radboud University Nijmegen
 - o Website = www.filosofie.science.ru.nl

13. POLAND

Contact ecopa Platform

Maciej Stepnik, Head of the National Centre for Alternative Methods in Toxicity Assessment, Nofer Institute of Occupational Medicine, Teresy 8, PO Box 199, 91-348 LODZ, Poland

Tel.: +4842 6314.634

Fax: +4842 6568 331

Email: mstep@imp.lodz.pl

3R's Legislation

All issues concerning animal experimentation are regulated by:

- 1. The Act on Animal Protection (Dz.U., 1997, No 111, pos. 724)
 - 2. The Act on Animal Experimentation (Dz.U., 2005, No 33, pos. 289)
- Implementation of 3R's in Polish legislation in the Animal Protection Act. (art 4)

- o Website to an unofficial English version of the Polish Animal Protection Act : <http://www.internationalwildlifelaw.org/PolandAnimalProtectionAct.html>

Competent authority/Ministry with regard to animal experimentation

The Ministry of Science and Information Society Technologies and the Ministry of Agriculture and Rural Developments.

Based on the above Acts the Ministry of Science and Information Society Technologies regulates registration of research institutions conducting animal experiments. The institutions should fulfill the criteria of the above Acts and be registered according to the Decree of the Ministry of Science and Information Society Technologies (Dz.U., 2005, No 153, pos. 1274). They also should employ appropriately trained personnel according to the Decree of the Ministry of Agriculture and Rural Development (Dz.U., 2005, 05.116.977) and the Decree of the Ministry of Science and Information Society Technologies (Dz.U., 2005, No 153, pos. 1273).

All permissions for animal experiments are granted by Local Ethics Committees based on applications submitted by individual researchers. In Poland the National Ethics Committee has been established at the Ministry of Science and

Information Society Technologies and Local Committees at universities and research institutions. All aspects are regulated by the Decree on the National and Local Ethics Committees for Animal Experimentation issued by the Ministry of Science and Information Society Technologies.

- The Ministry of Science and Information Society Technologies:
 - o http://www.eng.nauka.gov.pl/meinen/index.jsp?place=Menu09&news_cat_id=426&layout=5
- The Ministry of Agriculture and Rural Development
 - o <http://www.minrol.gov.pl/DesktopDefault.aspx>

Lab animal Science Courses

In general:

- Each person applying for individual permission for conducting animal experiments must complete a short training course on laboratory animal science.
 - At some departments of Universities and Institutes lectures on 3 R's are being conducted, but generally this activity is not coordinated at the national level neither legally regulated.
 - Sporadically scientists representing Polcopa are invited by different course or conference organizers to give lectures on alternative methods
- The Polish National Ethics Committee on its web-page http://www.nauka.gov.pl/mein/index.jsp?place=Menu08&news_cat_id=868&layout=2 announces some specific educational courses/studies on laboratory animal science or alternatives:
- "Animal behaviour", "Animal genetic resources and their conservation" and "Psychology of companion animals" - Faculty of Animal Sciences, Warsaw Agricultural University (SGGW)
 - o <http://www.sggw.waw.pl/cpe/przedmioty/index-e.html>
 - "Interdisciplinary studies on animal behaviour" - Warsaw School of Social Psychology
 - o http://www.swps.edu.pl/new_www/english/

National consensus platform for alternatives

- the Polska Platforma d/s Metod Alternatywnych POLCOPA. It is not a full platform but an associate member of **ecopa**.
 - o <http://www.imp.lodz.pl/polcopa/>

Information Centre for Alternatives to animal experimentation

- not existing

Scientific research ethics of animal experimentation

- o See the SGGW web-page <http://www.sggw.waw.pl/cpe/przedmioty/index-e.html>

14. PORTUGAL

Contact ecopa Platform

Dr Anna Olsson, Researcher Laboratory Animal Science group, Institute for Molecular and Cell Biology – IBMC, Rua Campo Alegre 823, 4150-180 Porto, Portugal

Phone +351 22 607 4900, Fax +351 22 6099157

- o Email: olsson@ibmc.up.pt
- o Website: <http://www.ibmc.up.pt/>

3R's Legislation

Implementation of 3R's in Portuguese legislation is essentially the transposition of the European directive 609/86, so the implementation of the 3 R's is indirect, such as in article 7 of the directive.

Legislation:

- Portaria nº 1005/92, de 23 de Outubro
- Decreto-lei nº 129/92 de 6 de Julho
 - o Website to the full text of this particular legislation = The current web address to the animal protection legislation is <http://www.min-agricultura.pt/>
No English translation is available, at least not on-line. (This website can be unreliable in time).

Competent authority/Ministry with regard to animal experimentation

- the Ministry of Agriculture, Direcção Geral de Veterinária
 - o website = <http://www.min-agricultura.pt/>
- Dr Selene Veiga is responsible for animal protection
 - o sveiga@dgv.min-agricultura.pt

Lab animal Science Courses

Yes, but no detailed information on-line (FELASA category C). Contact University of Minho (below)

The following institutions and contact persons organize training courses (FELASA Cat C):

- IBMC - Institute for Molecular and Cell Biology, Porto
 - o www.ibmc.up.pt

- o Anna Olsson = olsson@ibmc.up.pt
- o Luís Antunes = lantunes@ibmc.up.pt
- ECS - Escola de Saúde, University of Minho, Braga
 - <http://www.ecsaude.uminho.pt/>
 - o Jorge Pedrosa = jpedrosa@ecsaude.uminho.pt
 - o Joana Palha = japalha@ecsaude.uminho.pt
 - o Magda Joao Castelhana Carlos (ICVS, Health and life Science Research Institute) = magdajoao@bragatel.pt
- Faculty of Veterinary Medicine, Technical University of Lisbon, Lisbon
 - o <http://www.fmv.utl.pt/>
 - o Luís Tavares = ltavares@fmv.utl.pt

National consensus platform for alternatives

- Not existing

Information Centre for Alternatives to animal experimentation

- Not existing
- Lab Animal Science Society: Sociedade Portuguesa de Ciências em Animais de Laboratório
 - o Website: <http://spcal.no.sapo.pt/spcal/animexp.html>

Scientific research ethics of animal experimentation

Yes, at the Laboratory Animal Science group, Institute for Molecular and Cell Biology, Porto.

Anna Olsson = olsson@ibmc.up.pt and www.ethos.no.sapo.pt

15. SLOVAKIA

Contact ecopa Platform

Daniela Bucsuazyova DVM, State Veterinary and Food Administration Of the Slovak Republic, Botanicka 17

Tel: +421 2 60 257 227, Fax: +421 2 65 411 159

Email: bucsuazyova@svssr.sk

3R's Legislation

Implementation of 3R's in Slovakia legislation in:

- the Ordinance of the Government of Slovak Republic No.289/2003 Coll., laying down requirements for the protection of animals used for experimental purposes or other scientific purposes, art. section 2,3,4 and art. 20.
 - o *website to the full text of this particular legislation* = www.svssr.sk

Competent authority/Ministry with regard to animal experimentation

- State Veterinary and Food Administration of the Slovak republic (SVFA SR)
 - o *website* = www.svssr.sk

Lab animal Science Courses

- The SVFA SR did not have information about such courses

National consensus platform for alternatives

- Not existing

Information Centre for Alternatives to animal experimentation

- This task is done by SVFA SR during approval of experiment

Scientific research ethics of animal experimentation

The SVFA SR as CA have not yet approved any experiment concerning the ethics of animal experimentation.

16. SPAIN

Contact ecopa Platform

José Castell, Co-Chair and member of the Executive Board

Email: jose.castell@uv.es

Guillermo Repetto, coordinator of GTEMA (group on alternative methods), owner of TOXICOL (Toxicology Forum in Spanish: <http://www.rediris.es/list/info/toxicol.html>) and associate professor of Toxicology (<http://buscatox.info>, <http://alternativas.info>) at the National Institute of Toxicology and Forensic Sciences, Toxicological and Environmental Evaluation Dep., Avda Dr Fedriani s/n; 41009 - Sevilla, Spain

E-mail: repetto@us.es

3R's Legislation

Implementation of 3R's in Spains legislation: Since 1988 the 3R's were legally implemented in the Spanish legislation incorporating the European Council Directive 86/609/EEC. The main present legislation is included in the Spanish Royal Decree 1201/2005, from the 10th of october, on the Protection of animals used for research and other scientific purposes (BOE nº 252, 21 oct, p. 34367).

Website to the full text of this particular legislation =

- o REMA website: <http://remanet.net>
- o http://www.mapa.es/ganaderia/pags/bienestar/laboratorio/rd1201_05.pdf

Competent authority/Ministry with regard to animal experimentation

- the Ministry of Agriculture, Fisheries and Food; from the Dirección General de Ganadería, and particularly the Subdirección General de Ordenación y Buenas Prácticas Ganaderas
 - o *Email: sgordex@mapya.es*, <http://www.mapa.es/>

Lab animal Science Courses

Courses (FELASA category A, B, C and D) and masters on laboratory animal science including instruction about the 3 R's are offered in Spain by:

- o the Autonomous University of Barcelona (<http://www.uab.es/>)
- o the Autonomous University of Madrid (<http://www.uam.es/>)

- o the Centro de Investigaciones Energéticas Medioambientales y Tecnológicas (<http://www.ciemat.es/>)
- o the Hospital Universitario La Paz (<http://www.hulp.es/>)
- o the University of Barcelona (<http://www.ub.edu/>)
- o the University of Cadiz (<http://www.uca.es/>)
- o the University of Granada (<http://www.ugr.es/>)
- o the University of Leon (<http://www.unileon.es/>)
- o the University Complutense of Madrid (<http://www.ucm.es/>)
- o the University of Valladolid (<http://www.uva.es/>).

National consensus platform for alternatives

- REMA = Red Española para el Desarrollo de Métodos Alternativos a la Experimentación Animal
 - o Website: <http://remanet.net>

Information Centre for Alternatives to animal experimentation

- none
- Lab Animal Science Society: Sociedad Española para las Ciencias del Animal de Laboratorio
 - o Website: www.secal.es

Scientific research ethics of animal experimentation

There are several groups in Spain performing scientific research concerning the ethics of animal experimentation and teaching this subject.

In addition, a positive practical work helping the researchers is performed by ethical committees of the centres, coordinated by the Network of Ethical Committees of the Spanish Universities – RCEUE

- o <http://www.ub.edu/rceue/>

Others relevant Spanish entities or activities related to alternatives

- Alternativas.info, Searching for Alternatives, a practical Learning project
 - o Website: <http://alternativas.info>
- 3ERRES- Forum of Alternative Methods, in Spanish, with more than 300 members in 14 countries

- o website: <http://www.rediris.es/list/info/3erres.html>
- GTEMA-AETOX Group on Alternative Method
 - o Website: <http://tox.umh.es/aetox/gtema/>
- Inventory of the Spanish Institutions and Scientists Involved in Alternatives to the use of Laboratory Animals (Refinement, Reduction or Replacement)
 - o Website: <http://tox.umh.es/aetox/Grupos/gtema/GTEMA9.html>

17. SWEDEN

Contact ecopa Platform

Karin Gabrielson, director of Stiftelsen Forskning Utan Djurförsök (Stifud).

- o Email: karin@stifud.se

3R's Legislation

Legislation: the Animal Welfare Act and the Animal Welfare Ordinance, both of 1988.

Implementation of 3R's in Swedish legislation:

- The 3R's are not specifically mentioned in the legislation, but the same principles apply in different sections of the Act and Ordinance, and in the instructions to the Animal Experimental Ethics Committees which review all planned experiments (including those of animals killed for the use of cells, organs etc).
 - o website to the full text of this particular legislation: http://www.codex.vr.se/codex_eng/codex/oversikter/djur/djur.html
 - o full wet-txt versie in english: <http://www.sweden.gov.se/content/1/c6/02/58/44/53180d5d.pdf>

Competent authority/Ministry with regard to animal experimentation

- the Swedish Ministry for Agriculture, Food and Consumers Affairs.
 - o website = <http://www.sweden.gov.se/sb/d/2064>

Lab animal Science Courses

Laboratory Animal Science Courses are run at regular intervals at the Universities of Stockholm (organized by the Karolinska Institute), Uppsala, SLU, Linköping, Kalmar, Gothenburg, Lund and Karolinska Institute, and probably also at other universities.

- o Karolinska Institute: http://www.ki.se/forskarutbildning/foukatalog_ht06/katht_06/1131_se.html
- o Uppsala: <http://www.medfarm.uu.se/forskarutbildning/Studieplaner/for-sdjur.shtml>
- o SLU: <http://www.slu.se/?id=334&anmkod=40048.0607>
- o Gothenburg: Organizer: Michael.Axelsson@zool.gu.se

National consensus platform for alternatives

- **SWEcopa** = Swedish Consensus Platform for Alternatives.
 - o Website: http://www.stifud.se/forskarrummet/plattform_for_alternativ.php or <http://www.swecopa.se/>

Information Centre for Alternatives to animal experimentation

No, there is no such centre. The Animal Welfare Agency does to some extent have ambitions to be of such assistance to the ethics committees.

- Lab Animal Science Society: Scandinavian Society for Laboratory Animal Science
 - o Website: www.scandlas.org

Scientific research ethics of animal experimentation

- No information.

18. UNITED KINGDOM

Contact ecopa Platform

Barry Phillips PhD, main contact person Boyd Group and Senior Scientific Officer, Research Animals Department, RSPCA, Wilberforce Way

Southwater, Horsham, West Sussex RH13 9RS, UK

Tel: +44 (0)870 7540 384

Fax: +44 (0)870 7530 384

Email: bphillips@rspca.org.uk

3R's Legislation

Implementation of 3R's in British legislation in: the Animals Scientific Procedures Act (ASPA).

The ASPA states that:

- (5) The Secretary of State shall not grant a project licence unless he is satisfied
- (a) that the purpose of the programme to be specified in the licence cannot be achieved satisfactorily by any other reasonably practicable method not entailing the use of protected animals; and
 - (b) that the regulated procedures to be used are those which use the minimum number of animals, involve animals with the lowest degree of neuro-physiological sensitivity, cause the least pain, suffering, distress or lasting harm, and are most likely to produce satisfactory result.

This means that the 3Rs should be applied to any project which will be licensed by the Home Office. In practice, the extent to which the 3Rs are implemented depends on knowledge about alternatives on the part of the licence applicant, the Home Office inspectors, and/or the members of the Ethical Review Process (which is mandatory). The licence applicant is required to actively search for alternatives, but there is no formal procedure they must follow to do this and much depends on the

Inspectorate's knowledge and the input from members of the ERP. Lay members of ERPs have an important role to play in suggesting alternatives. The UK system is far from perfect but at least the legal position is clear.

- o website to the full text of this particular legislation: <http://www.archive.official-documents.co.uk/document/hoc/321/321-xa.htm>

Competent authority/Ministry with regard to animal experimentation

Home Office

- o website: <http://scienceandresearch.homeoffice.gov.uk/animal-research/legislation/>

Lab animal Science Courses

The training of licensees required by the Home Office is described at:

- o <http://scienceandresearch.homeoffice.gov.uk/animal-research/training/>

The 3Rs are mentioned in Module 5 of the training.

- The Animal Procedures Committee, which advises the Home Office, published a review of modular training in 2006
 - o www.apc.gov.uk/reference/apc-education-modular-training.pdf
- Modular training programme in Applied Toxicology at the university of Surrey
 - o www.surrey.ac.uk/SBMS/pg_taught_courses/applied-toxicology.be

National consensus platform for alternatives

- The Boyd Group
 - o Website: <http://www.boyd-group.demon.co.uk>
 - o Email: mail@boyd-group.demon.co.uk
- Information Centre for Alternatives to animal experimentation
The National Centre for the Replacement, Refinement and Reduction of Animals in Research (= NC3Rs) for the 3Rs was set up in 2004 and is beginning to fulfil the role of an information centre.
 - o Website: <http://www.nc3rs.org.uk/>
 - o Email: enquiries@nc3rs.org.uk
- Lab Animal Science Society: Laboratory Animal Science Association
 - o Website: www.lasa.co.uk

Scientific research ethics of animal experimentation

- Maggie Jennings RSPCA (mjennings@rspca.org.uk) is well involved in research in ethical issues regarding laboratory animals. See also Website of RSPCA:
 - o <http://www.rspca.org.uk>
- David G. Morton, Medical School, University of Birmingham, chair Biomedical Science & Ethics
 - o d.b.morton@bham.ac.uk

19. NORWAY

Contact ecopa Platform

Professor Adrian Smith, Norwegian School of Veterinary Science, Laboratory Animal Unit, P.O. Box 8146 Dep., 0033 Oslo, Norway

Tel. +47 22 96 45 74, Fax +47 22 96 45 35

o Email: Adrian.Smith@veths.no

3R's Legislation

Implementation of 3R's in Norway's legislation in: The Norwegian Regulation on Animal Experimentation of 15th January 1996 (the ratification of the European Convention).

o Website to the full text of this particular legislation = <http://oslovet.veths.no/fag.aspx?fag=64>

Competent authority/Ministry with regard to animal experimentation

- Ministry of Agriculture and Food (Landbruks- og matdepartementet).
The authorization is given by a board appointed by the Ministry for a four year period. The board is called the Norwegian Animal Research Authority (NARA) or Forsøksdyrutvalget (FDU)
 - o Website: <http://www.dep.no/lmd/english/bn.html>
- Norwegian Animal Research Authority
 - o <http://www.fdu.no/fdu/>

Lab animal Science Courses

- at the Norwegian Reference Centre for Laboratory Animal Science & Alternatives at the School of Veterinary Science, University of Oslo.
 - o link: <http://oslovet.veths.no/dokument.aspx?dokument=114>
- Several other centres at university cities in Norway provide courses, but on a less frequent basis (about once a year).
 - o Website: <http://oslovet.veths.no/dokument.aspx?dokument=114>

National consensus platform for alternatives

Platform: Norwegian Reference Centre for Laboratory Animal Science & Alternatives.

At present Norway only has a temporary national platform, but we expect a permanent one which will be established at the latest in early 2007.

- o Website: <http://oslovet.veths.no>

Information Centre for Alternatives to animal experimentation

The Norwegian Reference Centre for Laboratory Animal Science & Alternatives provides the most comprehensive information on the three R's in Norway.

- o Website: <http://oslovet.veths.no>
- Lab Animal Science Society: Scandinavian Society for Laboratory Animal Science
 - o Website: www.scandlas.org

Scientific research ethics of animal experimentation

- no overview available, not much work has been done in this field, maybe an occasional study.
 - o Website: <http://oslovet.veths.no/fag.aspx?fag=61>

20. SWITZERLAND

Contact ecopa Platform

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Switzerland

Address: Dorfplatz 5, CH-3110 Münsingen, Switzerland

Mobile: ++41 (0)79 365 84 31

- o E-Mail: research.3r@bluewin.ch
- o E-Mail (personal): peter.maier@swissonline.ch

3R's Legislation

Switzerland has a New Swiss Federal Act on Animal Protection, which comes into power in (late?) 2007. It is more or less the same as before (<http://www.admin.ch/ch/d/ff/2006/327.pdf>), but there are some important new aspects: the dignity of animals is introduced. The 3Rs are mentioned not as such (it is an English term) in the law, but it is clearly stated “the most lowest possible number of animals” (Art.17) = Reduction, “lowest possible stress and pain for the animals” (Art.19.3 and 20.1) = Refinement and Research has to be supported for replacement and refinement (Art. 22) = Replacement. Furthermore the production of genetically modified animals is regulated. The details for carrying out animal experimentations will be described in the ordinance (which is also under revision) and in guidelines of the Bvet see:

- o <http://www.tierversuch.ch/?show=AWLaw&lang=en> (will be revised in 2008).

Competent authority/Ministry with regard to animal experimentation

- the Swiss Federal Veterinary Office, which belongs to the Federal Department of Economic Affairs
 - o Website of the Swiss Federal Veterinary Office = <http://www.admin.ch> (most relevant site in connection with the 3 R's)
 - o Website of the Federal Department of Economic Affairs
<http://www.evd.admin.ch/>

Lab animal Science Courses

- Website with a continuously updated list which is relevant for the obligatory continuing education in Switzerland
 - o <http://www.bvet.admin.ch/tv-kurse/kurse2007/kurse2007.html>
- the University of Zürich. In this introductory course which takes 40 hours, 3 hours are dedicated specifically to the 3Rs, whereas the whole course represents Refinement
 - o http://www.ltk.unizh.ch/de/dyn_output.html?content.void=142&SID=bfd072e628970674c3a6e32fle55a256/#3

National consensus platform for alternatives

- the 3R research Foundation Switzerland
 - o Website: <http://www.forschung3r.ch>

Information Centre for Alternatives to animal experimentation

- Does not exist anymore. In order to get a permit for an animal experiment, each researcher has to prove that no replacement is possible (see Form A). Such an Information Centre existed before but was not used and difficult to maintain for all aspects in research and development. Now researchers have to consult the data banks of ECVAM and other institutions, which makes it more meaningful.
- Lab Animal Science Society: Schweizerische Gesellschaft für Versuchstierkunde
 - o Website: www.sgv.unizh.ch

Scientific research ethics of animal experimentation

- The Eidgenössische Ethikkommission für die Biotechnologie im Ausserhumanbereich (EKAH = the Swiss Ethics Committee on Non-human Gene Technology). There you will find the “Dignity of creation”, and publications like “The dignity of animals, also a publication about primates. In general it is a good source for all ethical related themes and animal experiments. All is presented in 4 languages. See:
 - o http://www.umwelt-schweiz.ch/buwal/eng/fachgebiete/fg_ekah/index.html

- The center of Ethics at the University of Zürich. See:
 - o http://www.ethikdiskurs.ch/ueber_uns/personen/rippe
 - o <http://www.ethik.unizh.ch/biomed/index.html>
 - o http://www.ethik.unizh.ch/afe/mitarbeiter/peter_schaber.html
- The Ethikkommission für Tierversuche der Schweizer Akademien für Medizin und Naturwissenschaft (the Swiss National ethic commission for animal experimentation of the Swiss academy for Medical Science and natural Science). They published ethical guidelines:
 - o <http://www.samw.ch/> (*chose english, then ethics in the header, then pdf file (see attachment).*)





EU 6th Framework Programme Project # LSSB-CT-2004-504776



SIXTH FRAMEWORK
PROGRAMME

About **ecopa** and CONAM

ecopa is the European Consensus Platform on 3R-Alternatives. It is an international not-for-profit organisation, officially established in April 2004 according to Belgian law.

ecopa is the only quadripartite umbrella organisation at the European level concerned with the development and implementation of 3R-alternative methods to animal experimentation. The parties involved are Academia, Industry, Animal Welfare and Governmental Institutes.

ecopa is a success thanks to the creation of so-called National Consensus Platforms (NCPs) in the different European Member States. Actually, 13 full member NCPs (Austria, Belgium, Czech Republic, Denmark, Finland, Germany, Hungary, Italy, The Netherlands, Spain, Sweden, Switzerland and the United Kingdom) and 3 associate members (NCPs under formation) exist (Ireland, Norway, and Poland). Recently, Norway and France officially finalised their consensus platform preparations.

As **ecopa** believes in international networking, exchange of information and good science as a solid basis for alternatives development, the CONAM (Consensus Networking on Alternative Methods within Europe)-project was initiated under FP6 (Project nr. LSSB-CT-2004-504776), coordinated by **ecopa**'s chair Prof. Vera Rogiers. Major objectives consist of building new NCPs, creation of a newsletter (**ecopa** messenger), website expansion, organisation of scientific workshops and meetings and stimulation of international cooperation.

These goals are accomplished by the activities organised within 4 workgroups, including a workgroup on political/scientific developments within REACH. The latter is at the origin of the in-depth analysis with respect to the impact of the REACH chemical legislation in the EU.

January 2007