



# CCAC National Workshop 2015

## Standards Committee Update

Patricia V. Turner  
Professor and Program Leader, LAS  
Dept of Pathobiology, University of Guelph  
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# 2014-2015 Committee members

Patricia Turner (Chair)	Canadian Veterinary Medical Association	University of Guelph, Ontario
Eileen Denovan-Wright*^	Association of Universities and Colleges of Canada	Dalhousie University, Nova Scotia
Albrecht Schulte-Hostedde*^	Canadian Society for Ecology and Evolution	Laurentian University, Ontario
Gordon Mitchell	Canadian Food Inspection Agency	Ontario
Nicholas Devillers	Agriculture and Agri-Food Canada	Québec
Barbara Cartwright	Canadian Federation of Humane Societies	Ontario
Darren Grandel	Canadian Federation of Humane Societies	Ontario
Jim Sherry	Environment Canada	Ontario
Elisabeth Ormandy	Canadian Society of Bioethics	British Columbia
Phillip Byrne	Fisheries and Oceans Canada	University of Prince Edward Island

# Committee mandate

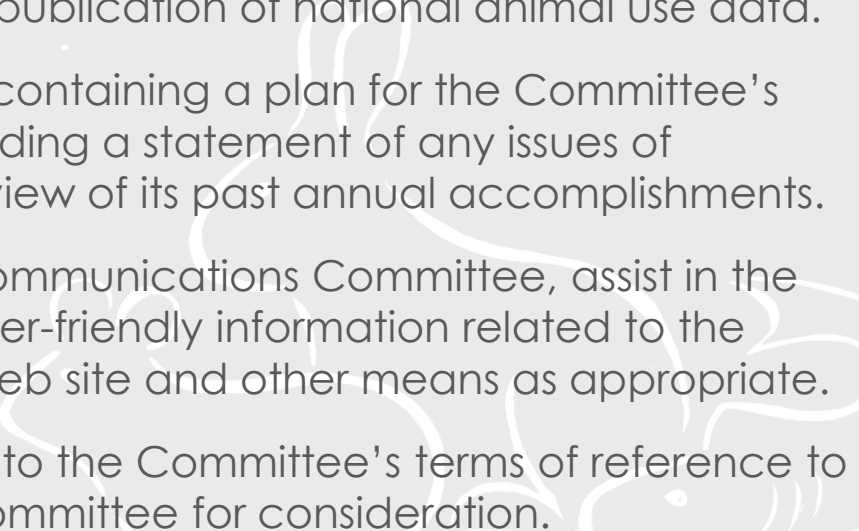
Purpose: To provide for the development and renewal of guidelines, policies and best practices, with respect to the welfare and ethical treatment of animals used in research, testing, and teaching.

## Mandate

1. Determine guidelines, policies, and best practices to be developed and updated, with recommendations to the BOD for consideration and approval.
2. Oversee the development or revision of guidelines, policies, and best practices.
  - Establish ad hoc expert sub-committees/task forces to assist in this development.
  - Work with the Assessment and Certification Committee to develop policies in line with their mandate.
  - Develop strategies to reduce the use of, and minimize harm and distress to, animals in science (3Rs).



# Committee mandate - continued

3. Make recommendations concerning guidelines implementation and oversee development of supporting materials where appropriate.
  4. Oversee the collection, analysis, and publication of national animal use data.
  5. Provide an annual report to the BOD containing a plan for the Committee's activities for the upcoming year, including a statement of any issues of concern to the Committee, and a review of its past annual accomplishments.
  6. Working with the Public Affairs and Communications Committee, assist in the development and dissemination of user-friendly information related to the Committee's mandate through the web site and other means as appropriate.
  7. Recommend any proposed changes to the Committee's terms of reference to the Governance and Nominations Committee for consideration.
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# Strategic Plan

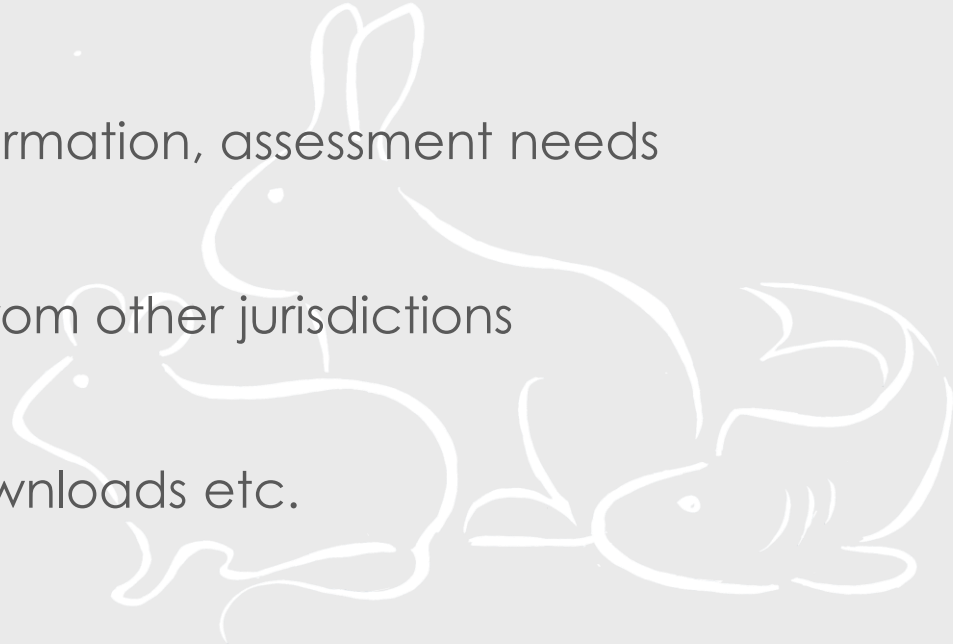
## ○ Goal 1

- Raising the Bar for our Standards Development Process
- Objectives
  - Optimize guidelines development
  - Develop further 3Rs initiatives to enhance animal ethics in science

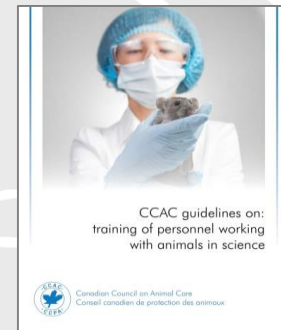
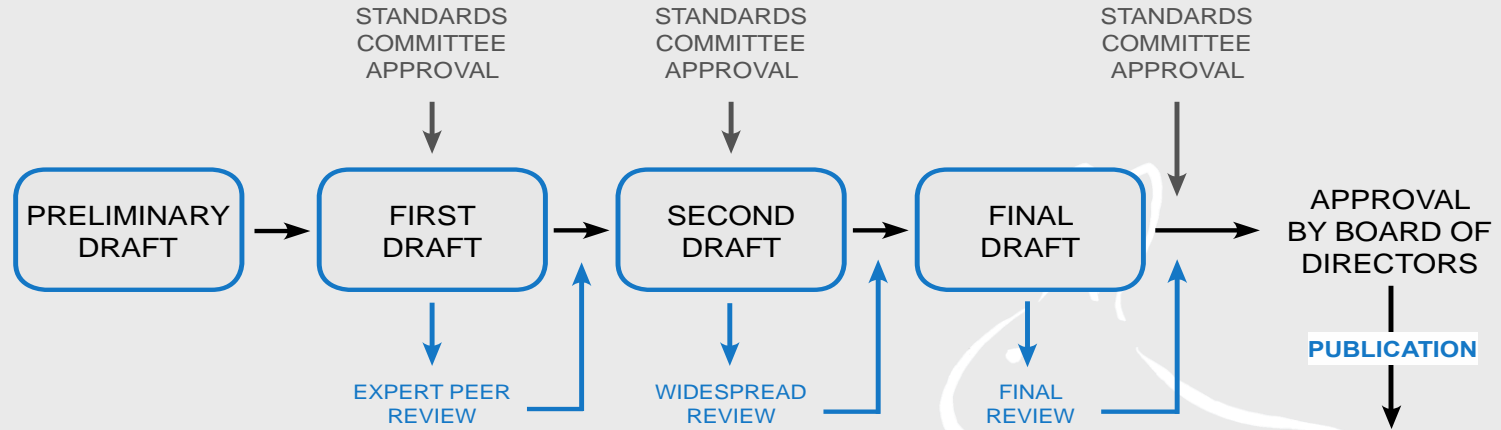


# Guidelines – prioritization

- Ethical impact
  - Numbers of animals, trends, pain and distress
- Demand
  - Stakeholders, new information, assessment needs
- Achievability
  - Evidence, guidelines from other jurisdictions
- Other
  - Public perception, downloads etc.



# Guidelines Development Process



# Implementation

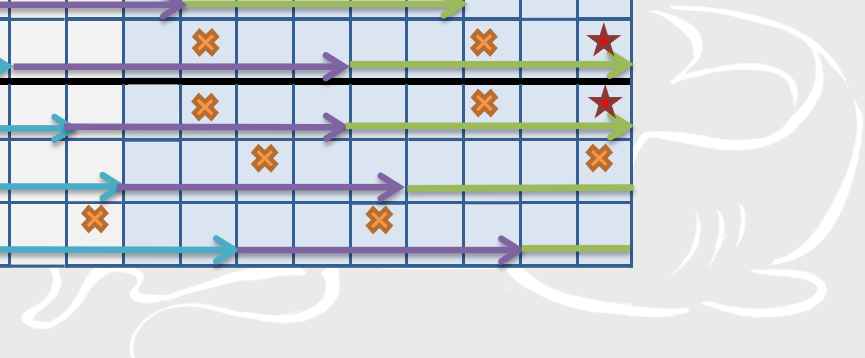
○ Iterative





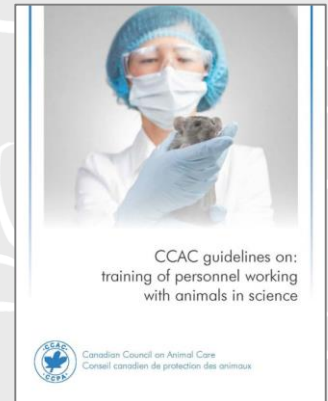
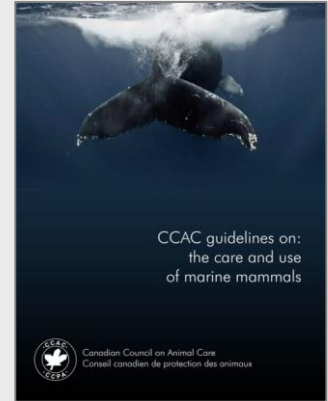
# Guidelines production timeline

GUIDELINES DOCUMENT	2014	2015												2016									
	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	
Genetically engineered animals											✕		★										
Air Quality			✕			✕					✕				✕		★						
Husbandry		✕				✕						✕					✕						★
Nonhuman Primates				✕					✕						✕						✕		★
Mice						✕				✕					✕						✕		★
Rats							✕				✕					✕							✕
Welfare Assessment									✕				✕					✕					



# New guidelines

- *CCAC guidelines on: the care and use of marine mammals*
  - Based on recommendations developed for DFO
  - Significant public concern
- *CCAC guidelines on: training of personnel working with animals in science*
  - Includes recommendations for all personnel
  - Focuses on attainment of competency



# Guidelines under development

- Animal husbandry
- Nonhuman primates
- Mice
- Rats
- Welfare assessments
- Air quality assessment

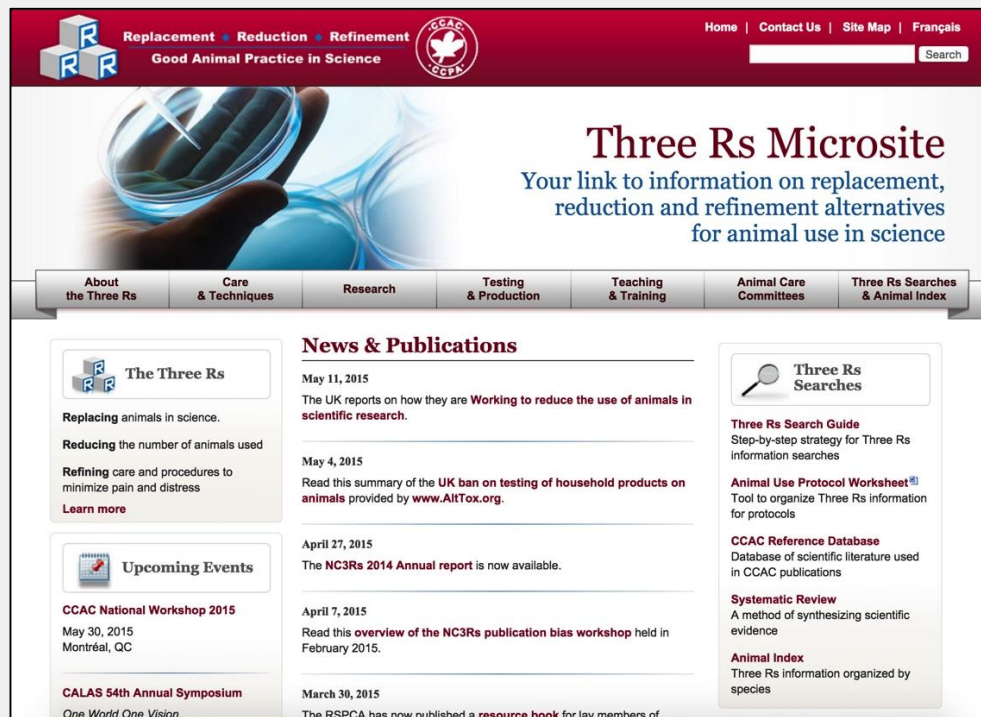
# 3Rs Activities

- Focus on:
  - Improving the quality of animal statistics
  - Studies having the greatest potential for pain and distress.
    - Fenwick N, Duffus SEG & Griffin G (2014) Pain Management for Animals Used in Science: Views of Scientists and Veterinarians in Canada. *Animals* 4, 494-514; doi:10.3390/ani4030494
- ILAR Roundtable on Performance Standards (April 21-22, 2015)
- CALAM/ACMAL Workshop 2015 – co-sponsor



# 3Rs Activities - continued

- Guidance document on identification of genetically modified animals (being finalised)
- New material constantly added to 3Rs microsite:  
<http://3rs.ccac.ca/en/>



Replacement • Reduction • Refinement  
Good Animal Practice in Science

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## Three Rs Microsite

Your link to information on replacement, reduction and refinement alternatives for animal use in science

About the Three Rs | Care & Techniques | Research | Testing & Production | Teaching & Training | Animal Care Committees | Three Rs Searches & Animal Index

### The Three Rs

Replacing animals in science.  
Reducing the number of animals used  
Refining care and procedures to minimize pain and distress  
[Learn more](#)

### Upcoming Events

**CCAC National Workshop 2015**  
May 30, 2015  
Montréal, QC

**CALAS 54th Annual Symposium**  
*One World One Vision*

### News & Publications

May 11, 2015  
The UK reports on how they are **Working to reduce the use of animals in scientific research.**

May 4, 2015  
Read this summary of the UK ban on testing of household products on animals provided by [www.AltTox.org](http://www.AltTox.org).

April 27, 2015  
The **NC3Rs 2014 Annual report** is now available.

April 7, 2015  
Read this **overview of the NC3Rs publication bias workshop** held in February 2015.

March 30, 2015  
The RSPCA has now published a **resource book** for lay members of

### Three Rs Searches

**Three Rs Search Guide**  
Step-by-step strategy for Three Rs information searches

**Animal Use Protocol Worksheet**<sup>®</sup>  
Tool to organize Three Rs information for protocols

**CCAC Reference Database**  
Database of scientific literature used in CCAC publications

**Systematic Review**  
A method of synthesizing scientific evidence

**Animal Index**  
Three Rs information organized by species

# Other activities

Additional work was undertaken to encourage implementation of the Montreal Declaration, including:

- Avey MT, Fenwick N & Griffin G (2015) The Use of Systematic Reviews and Reporting Guidelines to Advance the Implementation of the 3Rs. *JAALAS* 54:153-62
- Director was Co-chair of Session III.4 Implementing the “Montreal Declaration on the Synthesis of Evidence” at 9<sup>th</sup> World Congress on Alternatives and Animal Use in the Life Sciences, August 2014
- Ensuring ethical conduct of pre-clinical research, presentation at the Ottawa Hospital Research Institute, concerning a systematic review of the acute lung injury model

# Other activities – cont'd

## Contributions to CCAC's international standing in 3Rs:

- 9<sup>th</sup> World Congress on Alternatives, CCAC played lead role in sessions on 3Rs in academia and education
- Danish Centre for 3Rs invited the Director to participate in their first Symposium to discuss the work of the CCAC in encouraging implementation of 3Rs in Canada
- Swiss Association for LAS invited Director to discuss ethical issues and welfare concerns in generation of GM animals (Dec 2014)
- AVMA invited a presentation and contribution to panel discussion on harmonization of guidance for euthanasia of animals used in science (Nov 2014 - Humane Endings Symposium)

## As a member of ICLAS governing board, the Director participated at:

- XIII Congress of Brazilian Laboratory Animal Science Societies: Pain and perception of pain and Consideration of humane endpoints, April 2014
- ICLAS regional scientific meeting, Costa Rica: Humane Endpoints, July 2014

# Future activities

- Category of Invasiveness subcommittee to be established



# Thank-you!

