

WOAH Collaborative Centre Reports Activities 2022

Activities in 2022

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1. Activities as a centre of research, expertise, standardisation and dissemination of techniques within the remit of the mandate given by WOA

Disease control	
Title of activity	Scope
Enhance One Health Capacity for Biorisk Management	Activities include developing regional guidelines for collecting and transporting high-consequence pathogen samples in Pakistan.
Training, capacity building	

Title of activity	Scope
Animal Welfare Challenges in Research and Education for Wildlife, Non-Model Species, and Biodiversity - A Workshop	<p>The workshop was held as a free global webcast on February 9-10, 2022. More than 1,800 users participated, representing 72 countries. The link for the 2-day event is : https://www.nationalacademies.org/event/02-09-2022/animal-welfare-challenges-in-research-and-education-on-wildlife-non-model-animal-species-and-biodiversity There were 8 sessions with a total of 33 presentations and 2 summary and synthesis sessions. The event link contains the pdf agenda, power point presentations as pdf files, and audio-video recordings of the presentations. Workshop proceedings were published in December 2022 and are freely available to download at: https://nap.nationalacademies.org/catalog/26614/animal-welfare-challenges-in-research-and-education-on-wildlife-non-model-animal-species-and-biodiversity</p>

Training, capacity building

Title of activity	Scope
Roundtable on Science and Animal Welfare in Laboratory Anima Use	<p>Established by the U.S. National Academies of Sciences, Engineering and Medicine under the Institute for Laboratory Animal Research, the Roundtable on Science and Welfare in Laboratory Animal Use provides a neutral forum to stimulate dialogue, catalyze movement around an issue, and collaborate among those interested in promoting more effective, efficient, and humane use of animals in research, testing, and education. Various contemporary topics were discussed and considered as candidates for upcoming workshops. The topic selected for this reporting year was a workshop to improve communication about scientific research with animals, aimed at enhancing public understanding and appreciation for the scientific method, the care and use of laboratory animals. and the ongoing research with animals to improve the quality of life for both animals and humans.</p>

Training, capacity building

Title of activity	Scope
Enhance One Health Capacity for Biorisk Management	<p>To plan and facilitate a 4 day virtual workshop on advanced-level training for the safe and secure sample collection and transportation of high consequence pathogen samples in Pakistan. This effort will continue in 2023.</p>

Training, capacity building

Title of activity	Scope
ILAR Journal Issue 62(3), entitled ILAR: A Retrospective and Prospective Look	<p>The goal of the ILAR Journal Volume 62, Issue 3 is to announce the hiatus of the journal, provide the history of ILAR initiatives since 1954, and it's current relevance to the scientific community. The issue included several review articles, reprints, and a historical and prospective look at ILAR. The link to this issue is:</p>

<https://academic.oup.com/ilarjournal/issue/62/3?browseBy=volume>

Zoonoses

Title of activity	Scope
Enhance One Health Capacity for Biorisk Management	To promote responsible science and One-H related issues, a committee of 9 experts were identified and approved by the National Academies of Sciences to conduct several project tasks. These tasks include developing guidelines for securely collecting and transporting samples in Pakistan. The committee will plan and facilitate a 4-day virtual workshop where approved participants will receive training for the safe and secure sample collection and transport of high consequence pathogens. The committee will lead another workshop to update and revise the guidelines on safe and secure handling of high consequence pathogens. The workshops will be implemented in Spring 2023.

Zoonoses

Title of activity	Scope
Standing Committee on the Care and Use of Animals in Research	Thirteen experts were appointed to serve on this Standing Committee. The full committee membership met three times in 2022: January, June and December. Subsequently, sub-groups met 7 times during the year to discuss and understand issues and concerns related to the current edition (Eighth; 2011) of the Guide for the Care and Use of Laboratory Animals. The committee held 2 public webinars.

Wildlife

Title of activity	Scope
Roundtable on Science and Animal Welfare in Laboratory Anima Use	The Roundtable February 2022 workshop entitled, "Discussing and Understanding Animal Welfare Challenges in Research and Education for Wildlife, Non-Model Species, and Biodiversity" focused on identifying the knowledge base and gaps available within a variety of stakeholder communities. The workshop considered the conduct of animal studies and research for the benefit of animals (not for research being conducted on animals serving as models of human disease). This included field laboratories and other terrestrial and marine settings.

Wildlife

Title of activity	Scope
Standing Committee on the Care and Use of Laboratory Animals	Funds were raised to support the ongoing activities of the Standing Committee. The committee provides a venue for the exchange of ideas and knowledge sharing among federal government agencies, the private sector, academic communities, and other stakeholders engaged in animal research, animal studies and humane animal use by scientists in a variety of topical areas and settings, including activities being conducted under field conditions. Activities will include consideration of important and

relevant topics to field researchers and IACUC members about the conduct of the care and use of animals in nature settings. Three wildlife experts are appointed to the committee.

Wildlife

Title of activity	Scope
Expansion of membership of the Roundtable on Science and Welfare of Laboratory Animal Use to include of members conducting field studies and field research.	The Director had ongoing conversations with the IACUC members of the US Fish and Wildlife Service, US Geological Society and National Parks Service. Topics included activities being done at our Collaborating Centre to expand into research, studies and education in the areas of wildlife, non-model species and biodiversity.

Animal Welfare

Title of activity	Scope
Roundtable on Science and Welfare of Laboratory Animals and Standing Committee on the Care and Use of Animals in Research - Joint Activity	Several members of the Standing Committee participated in the Roundtable workshop focused on wildlife, non-model species and biodiversity that took place on February 2022. Standing Committee members aided in the development of the prospectus, appointment of experts of to the workshop planning committee, and weekly planning activities leading up to the event. The workshop was endorsed by the full membership of the Standing Committee on the Care and Use of Animals in Research and served as the first of a series of workshop that will provide input into Standing Committee deliberations.

Animal Welfare

Title of activity	Scope
Effective Communication with the General Public about Scientific Research that Requires the Care and use of Animals.-A Workshop	The topic Roundtable members selected during this reporting year for a workshop is entitled, "Effective Communication with the General Public about Scientific Research that Requires the Care and use of Animals." The purpose of the workshop will be to improve scientific communications with the public on the care and use of animals in research. To better assist the future workshop planning committee, a public opinion analysis firm was contracted to conduct a public questionnaire to query public views, knowledge, and values pertaining to research with animals. A call for workshop planning committee nominations will occur in in mid 2023 and the workshop will be implemented later in the year.

Animal Welfare

Title of activity	Scope
Roundtable on Science and Animal Welfare in Laboratory	A committee of eleven animal welfare experts with extensive knowledge, experience and skill sets were appointed to understand and discuss the animal welfare challenges in vertebrates (e.g., aquatic species, amphibians and reptiles, birds, mammals) in the content of the care and use in research, studies

<p>Anima Use</p>	<p>and education. The committee used the current edition (Eighth; 2011) of the Guide for the Care and Use of Laboratory Animals as well as current versions of taxon specific guidelines to determine objectives for the workshop. The workshop was virtually broadcasted on Feb 9-10, 2022.</p>
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2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the main focus area for which you were designated

Proposal title	Scope/Content	Applicable area
<p>Standing Committee on the Care and Use of Animals in Research</p>	<p>The Standing Committee was appointed and convened throughout 2021 for the exchange of ideas and for knowledge sharing among federal government agencies, the private sector, academic communities, and other stakeholders engaged in the care, use, science and welfare of animals in research, training programs, experimentation, biological testing or for other related purposes or other special categories involving animals. Standing committee activities have a very broad reach, well beyond laboratory animals, to include: wildlife, agricultural animals, non-model species, service animals, companion animals and other animals used in natural and captive research, field, exhibition settings. The committee will be used to inform any future updates or additions to The Guide for the Care and Use of Laboratory Animals (renamed to the Guide for the Care and Use of Animals in Research), and related products that will be generated by separate, ad hoc committees associated with this project. We are removing the word "Laboratory" from our name and expanding to include the science and animal welfare for all animal use in research, teaching and testing. We are implementing a new five phase process for revisions to the Guide. Phase 1 includes the new standing committee holding listening sessions so stakeholder communities are given the opportunity to contribute. Since 1963 the Guide has been the single document used globally to facilitate harmonization of international standards and guidelines.</p>	<p>Laboratory expertise Training and education health management Wildlife health and biodiversity</p>
<p>ILAR Town Hall: Introduction of the Standing Committee</p>	<p>The townhall was held at the 73rd Annual AALAS National Meeting. The purpose of the townhall was to introduce the committee to the animal welfare community and explain the new five phase process for revisions to the Guide for the Care and Use of Animals in Research. Meeting participants had the opportunity to ask the committee members</p>	<p>Laboratory expertise Training and education health management Wildlife health and biodiversity</p>

	questions and provide feedback during the Townhall. The meeting took place in-person and was open for global participation.	
Animal Welfare Challenges in Research and Education for Wildlife, Non-Model Species and Biodiversity-A Workshop	The February 2022 workshop included discussions on the importance of harmonizing international regulations applicable to animal welfare.	Laboratory expertise Training and education health management Wildlife health and biodiversity
Enhance One Health Capacity for Biorisk Management	Transporting and collecting high consequence pathogen samples in Pakistan in accordance with the BioRisk Management Curriculum.	Laboratory expertise Training and education

4. Did your Collaborating Centre maintain a network with other WOAHA Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same specialty, to coordinate scientific and technical studies?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
International Council for Laboratory Animal Science	Virtual	Africa Americas Asia and Pasific Europe MiddleEast	International cooperation in laboratory animal science. Our aims are to promote and coordinate the development of laboratory animal science throughout the world, to promote international collaboration and quality monitoring and definition of laboratory animals, to collect and disseminate information and to promote the humane use of animals in research through recognition of ethical principles and scientific responsibilities.
			The Guide for the Care and Use of Laboratory Animals institutions and researchers is the foundation and sole publication for all CC's and others to use as the bridge between progress and animal well-being. This is done through AAALAC's voluntary

AAALAC international	Virtual and Annual Meeting	Africa Americas Asia and Pasific Europe MiddleEast	accreditation process in which research programs demonstrate that they meet the minimum standards required by law, and are also going the extra step to achieve excellence in animal care and use. Our CC also works with AAALAC so they can anticipate possible changes to the Guide for preparing themselves and working with accredited institutions on changes we are making to Guide. See Standing Committee activities.
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5. Did your Collaborating Centre maintain a network with other WOAHO Collaborating Centres, Reference laboratories, or organisations in other disciplines, to coordinate scientific and technical studies?

No

6. Did your Collaborating Centre place expert consultants at the disposal of WOAHO?

Yes

NAME OF EXPERT	KIND OF CONSULTANCY	SUBJECT
Too numerous to list	Experts serve on all our activities: Roundtable (RT), Workshop planning committees, ICLAS, the Guide activities, ILAR Journal and the Committee on developing regional guidelines for collecting and transporting high consequence pathogens in Pakistan. All of our activities are conducted in association with experts in animal health and welfare and many work in a global context.	Capacity Building in Pakistan (e.g., live animal wet markets, academic institutions, public health experts, food safety and livestock agencies).

7. Did your Collaborating Centre provide advice/services to requests from Members in your main focus area?

No

8. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by WOAHO, to personnel from WOAHO Members?

No

9. Did your Collaborating Centre organise or participate in the organisation of scientific meetings related to your main focus area on behalf of WOAHO?

Yes

NATIONAL/INTERNATIONAL	TITLE OF EVENT	CO-ORGANISER	DATE (MM/YY)	LOCATION	NO. PARTICIPANTS
National	ILAR Town Hall: Introduction of the Standing Committee on Care and Use of Animals in Research	Organizer: AALAS	2023-10-24	Louisville, Kentucky, USA	estimated around 500

10. Publication and dissemination of any information within the remit of the mandate given by WOAHA that may be useful to Members of WOAHA

a) Articles published in peer-reviewed journals:

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ILAR Journal Volume 62, Issue 3: The ILAR Journal Is Taking a Hiatus, History of the National Academies of Sciences, Engineering, and Medicine's Institute for Laboratory Animal Research, Laboratory Codes in Nomenclature and Scientific Communication (Advancing Organism Nomenclature in Scientific Communication to Improve Research Reporting and Reproducibility), Beyond the Laboratory: Emerging Landscape of Animal Studies – the Influence of National Academies of Sciences Activities and Publications, Fit for Purpose Assessment: A New Direction for IACUCs, Rapid Response by Laboratory Animal Research Institutions During the COVID-19 Pandemic: Key Lessons Learned From a 2021 National Academies of Sciences, Engineering, and Medicine Workshop, ICLAS LAQ Network for the Promotion of Animal Quality in Research, What Is the ILAR?, Guide for Laboratory Animal Facilities and Care, A Nomenclatural System for Outbred Animals, International Standardized Nomenclature for Outbred Stocks of Laboratory Animals, Animals as Beneficiaries of Biomedical Research Originally Intended for Humans, History of the International Council for Laboratory Animal Science.

b) International conferences:

c) National conferences:

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ILAR Town Hall: Introduction of the Standing Committee on Care and Use of Animals in Research given at the 73rd National AALAS Meeting.

d) Other (Provide website address or link to appropriate information):

11. What have you done in the past year to advance your area of focus, e.g. updated technology?

12. Additional comments regarding your report: