



NATIONAL GUIDELINE FOR USE OF ANIMALS IN RESEARCH AND TEACHING



Launch of the guidelines

16th September 2021

during

11th ANREC, 14-16 Sept, 2021

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WHY THE GUIDELINES?



The use of animals in research, education and testing is essential component for the advancement of our understanding about human and animal function and health through disease prevention and cures, new treatments, drug and device development.



Comply with scientific standards for global acceptance: collaboration, publication, funding e.t.c



Responsible conduct and quality assurance of scientific work: reproducibility and reliability of

Promote animal welfare

Generate credible results that can be relied for decision making

FOUNDATION/ BASIS FOR GUIDELINES

- The Animal (Prevention of Cruelty) Act, 5th December 1957. Section 11 and 12 provides for conditions and restrictions for experiments on living animals.
- Section 11 (1): No Person shall perform on a living animal any experiment calculated to give pain except to the restrictions imposed by section 12
- Section 12 (1) (a): The experiment shall be performed only with a view to the advancement of new knowledge or physiological knowledge useful for saving life
- (b) Performed under licensed person
- Section 13: Minister (MAAIF) may grant and revoke licenses

**INTERNATIONAL
FRAMEWORK
(CIOMS-ICLAS)**

International guiding principles for biomedical research involving animal published by The Council for International Organization for Medical Sciences (CIOMS) and the International Council for Laboratory Animal Science (ICLAS), 2012

INTERNATIONAL FRAMEWORK (CIOMS-ICLAS)

Animals play a vital role in scientific activities and good animal welfare is integral to achieving scientific and educational goals.

Decisions regarding the welfare, care, use of animals should be guided by **scientific and professional judgement, reflect ethical and societal values and consider the potential benefits and the Impact on the well-being of the animal involved**

INTERNATIONAL FRAMEWORK (CIOMS-ICLAS) PRINCIPALS (

Animals should be used only when necessary and only when their use is scientifically and ethically justified. The principles of the **3Rs-Replacement, Reduction and Refinement** should be incorporated into the design and conduct of scientific and /or educational activities that involve animals

Animals selected for the activity should be suitable for the purpose and of an appropriate species and genetic background to ensure scientific validity and reproducibility.



INTERNATIONAL FRAMEWORK



- The welfare, care, and use of animals should be under the **supervision of a veterinarian or scientists trained** and experienced in the health, welfare, proper handling and use of the species being maintained or studied
- Investigators should assume that procedures that would **cause pain or distress in human beings cause pain or distress** in animals, unless there is evidence to the contrary.

INTERNATIONAL FRAMEWORK

OIE:Animals should only be used when necessary, ethically justified and when no other alternative methods , not using live animals, are available; that the minimum number of animals should be used to achieve the scientific or educational goals and that such use of animals should cause as little pain and or distress as possible

EU ANIMAL WELFARE DIRECTIVE 2010/63

Animal research in the European Union (EU) is regulated under Directive 2010/63/EU on the protection of animals used for scientific purposes. The Directive aims to protect animals in scientific research, with the final aim of replacing all animal research with **non-animal methods**.

It was implemented into national laws in each EU Member State in 2013

UK: Cruelty to Animals Act, 1876

UK: Animal (Scientific Procedures) Act, 1986

EU ANIMAL WELFARE DIRECTIVE 2010/63

Animals can only be used in research in the EU when there is a convincing scientific justification, when the expected benefits of the research outweigh the potential risks in terms of animal suffering and when the scientific objectives cannot be achieved using non-animal alternative methods

The Directive sets out legal requirements to implement the 3Rs principles of replacement, reduction and refinement:

replace animals with non-animal methods where possible;

reduce the number of animals used to a minimum while still obtaining scientifically valid results; and

refine practices to reduce any possible pain, suffering, distress or lasting harm to the animals.



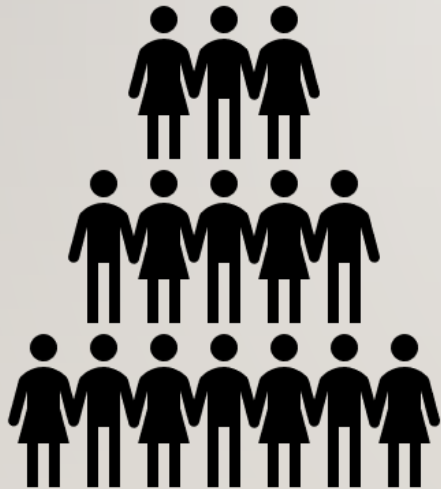
UGANDA NATIONAL COUNCIL FOR SCIENCE AND TECHNOLOGY

**Uganda National Council for Science and Technology (UNCST)
in 1990 by Act of Parliament (UNCST Act (CAP 209))**

UNCST pursues a broader mandate of developing strategies for integrating S&T into the national development process.

**Appointed a National Task Force (NTF) in 2018 composed of 21
members to Develop the Guidelines**

NATIONAL TASK FORCE (NTF-21)



- 1. Ass. Prof. Lawrence Mugisha, Chairperson
- 2. Ass. Prof Joseph Ochieng
- 3. Ass. Prof. Pauline Byakika
- 4. Prof. Acon Johnson

- 5. Ass. Prof. Stella Neema
- 6. Ass. Prof. Robert Tweyongyere
- 7. Dr. Tom Egwang
- 8. Dr. Sam Oketch
- 9. Dr. Sylvia Baluka
- 10. Dr. Kanyima Benon
- 11. Dr. Patrick Atimmedi
- 12. Dr. Halid Kirunda
- 13. Dr. Noel Aineplan
- 14. Dr. Ben Ssenkeera
- 15. Dr Patrick Able Mawadri
- 16. Mr. Henry Kanyike
- 17. Ms. Helen Opolot
- 18. Ms. Irene Semakula
- 19. Ms. Winfred Badanga Nazziwa
- 20. Dr. Ben Lukuyu
- 21. Dr. Shamilah Namusisi

Members of the National Task Force (NTF-21), November, 2021 at UNCSST



RIP: Professor Johnson ACON

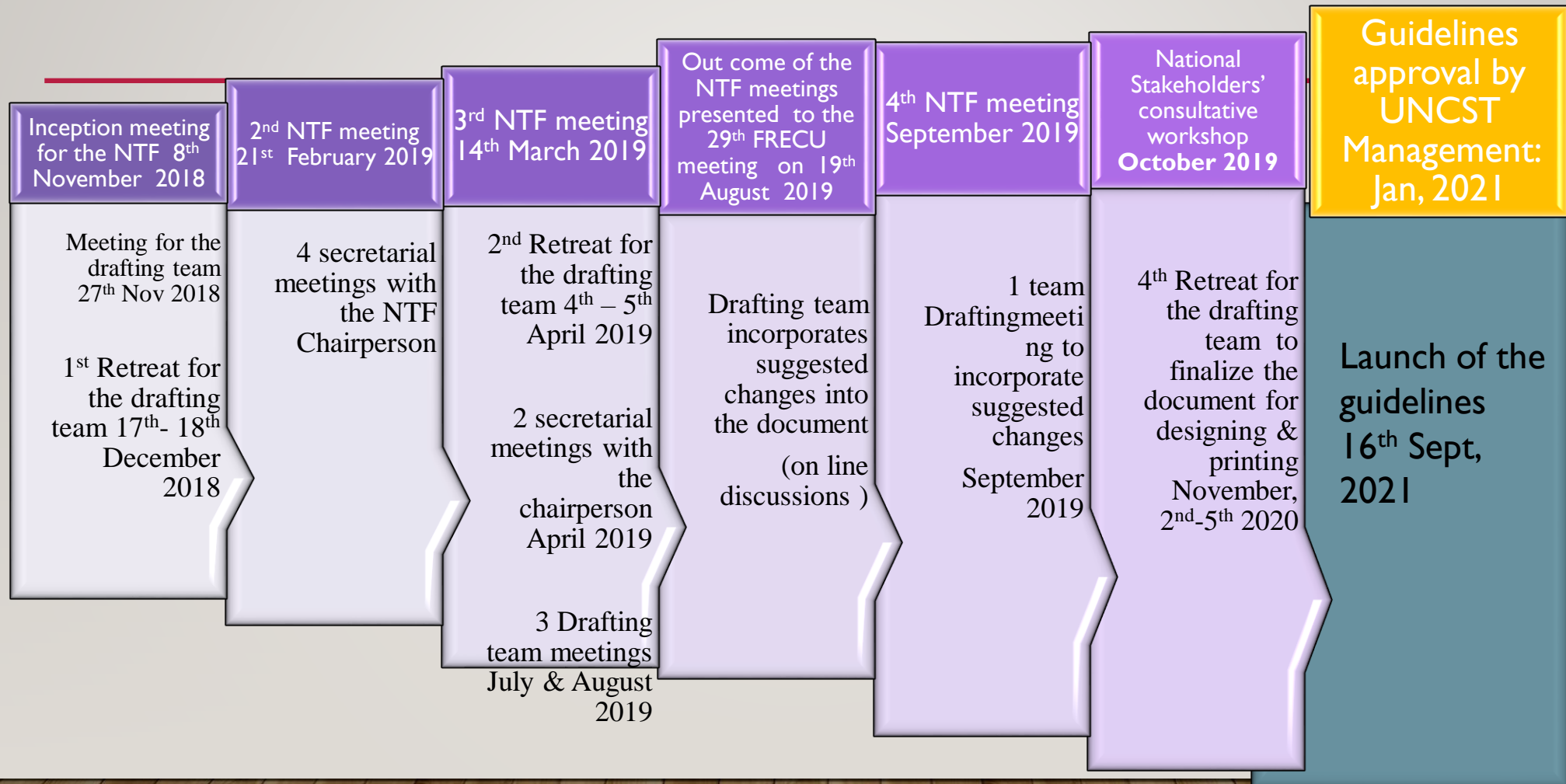


DRAFTING TEAM (9)

- Assoc. Prof. Lawrence Mugisha
- Dr. Noel Aineplan
- Dr Joseph Ochieng
- Dr. Ben Senkera
- Dr. Sylvia Baluka
- Dr. Halid Kirunda
- Dr. Shamila Namusisi
- Ms Winfred Badanga
- Ms Irene Semakula



ROADMAP FOR THE NTF & DRAFTING TEAM



COMPONENTS OF THE GUIDELINES

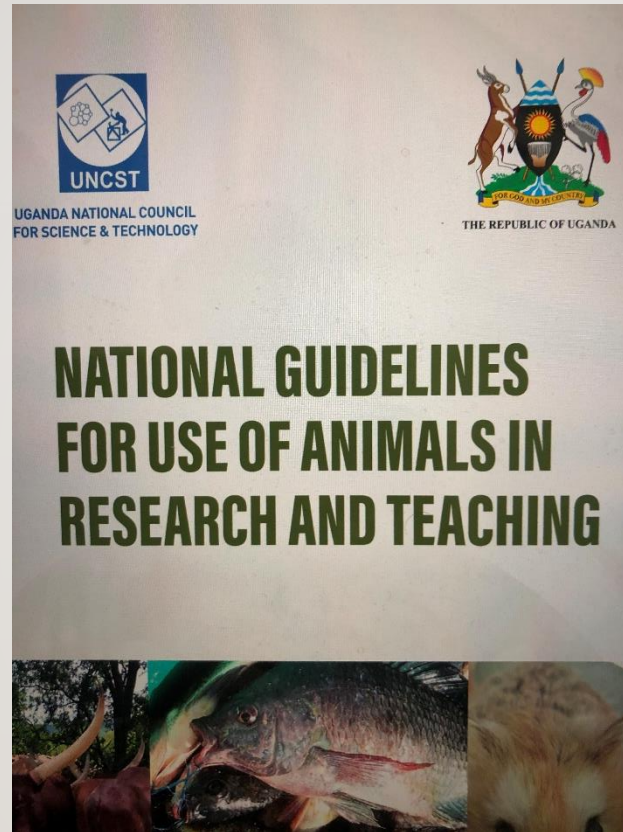
Preliminary pages(disclaimer, UNCST contacts, acknowledgement preface, acronyms and definition of key terms)-

Main content

- General provisions of the guidelines
- Regulatory oversight by UNCST
- **Establishment and functions of IACUC**
- Oversight by other Committees (Scientific Committees etc)
- Animals care and welfare -**Replacement, Reduction and Refinement**
- Management of Adverse Effects
- Responsibilities of Researchers, sponsors
- Informed Consent process
- Animal Biological Materials
- Penalties for Non-compliance



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- National Stakeholder's Consultative Workshop at Imperial Royal Hotel, October, 2019



Thank you