

## The FRAME Reduction Committee

Was established in 1998 and has now developed into the FRAME Reduction Steering Committee (FRSC) overseeing a number of working parties.

Members of the committee are representatives from industry, the Home Office, and academia, with expertise in statistics, experimental design, animal welfare and alternatives research.

The Committee's main aim is: *'To reduce the number of animals used in research, education and testing without compromising the quality of research or hindering scientific progress'*

## FRAME

Believes that the current scale of animal experimentation is unacceptable, but recognises that the immediate abolition of all laboratory animal use is not possible.

FRAME advocates the Three Rs (Replacement, Reduction and Refinement) approach to this problem.

It relies entirely on grants and donations to carry out its vital work because it receives no financial support from local or central government. Any gifts from supporters, either individuals or companies, are always welcome.

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# Strategic Planning for Research Programmes



Good planning and design can have a major impact on reducing animal usage in research programmes and on the welfare of the animals used.

To help researchers using animals in biomedical research the FRSC has developed this flowchart for planning a programme of experiments. It outlines steps to follow during research involving animals, taking account of ethical considerations.

Experiments using animals do not normally occur as isolated 'one-off' studies, and assessment of experimental results in the context of the complete programme may offer considerable scope for decreasing overall severity and reducing the number of animals.

Experimental design texts usually provide no guidance on how to design an individual experiment to minimise severity, or on how to organise a sequence of experiments. A well-planned programme incorporating the steps indicated here should allow the achievement of an experimental goal that involves minimal animal use and severity, while maximising the quality of the resultant scientific output.

This poster has been designed to be displayed in laboratories and staff meeting areas.

## Further Information

The steps outlined here are discussed in more detail in Gaines Das, Fry, Preziosi and Hudson, ATLA 37, 27-32, 2009. Available from: [http://www.frame.org.uk/atla\\_issue.php?iss\\_id=98](http://www.frame.org.uk/atla_issue.php?iss_id=98). For fuller consideration of several points see the references cited there.

A check list which may be useful for individual experiments is given at: <http://www.isogenic.info/html/checklist.html>.



## FRAME Reduction Steering Committee

# Strategic Planning Chart For Reducing Animal Use in Biomedical Science

# Strategic Planning for Research Programmes

