

Caring for animals aiming for better science

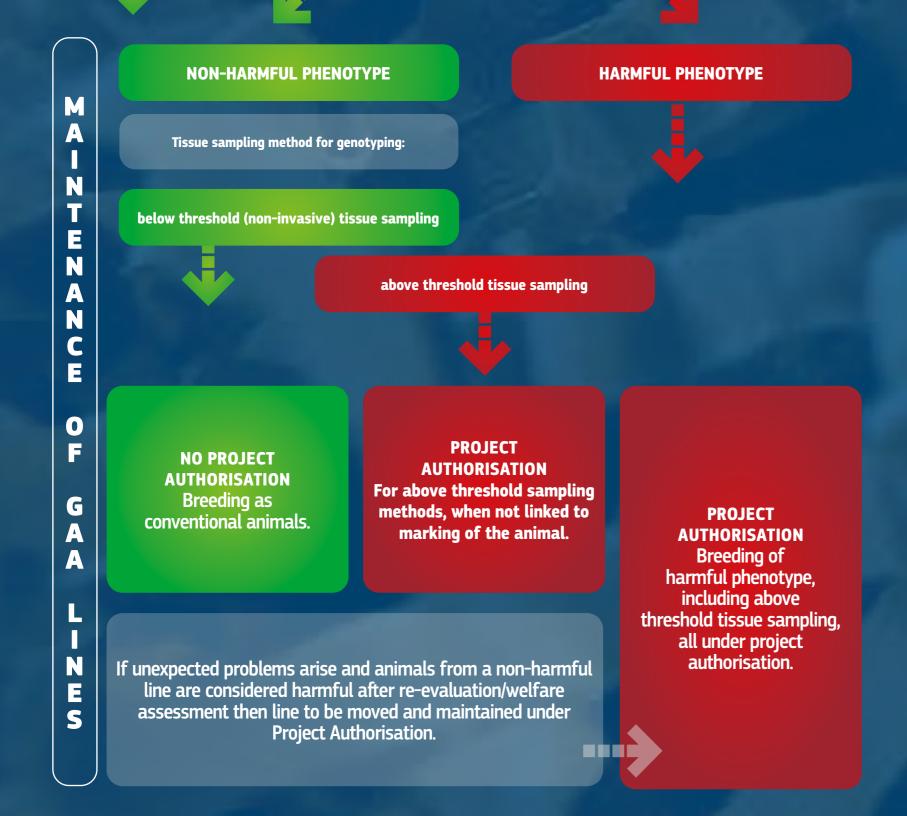
EU GUIDANCE ON THE IMPLEMENTATION OF DIRECTIVE 2010/63/EU ON PROTECTION OF ANIMALS USED FOR SCIENTIFIC PURPOSES

GENETICALLY ALTERED ANIMALS (GAA)

REQUIREMENTS FOR PROJECT AUTHORISATION

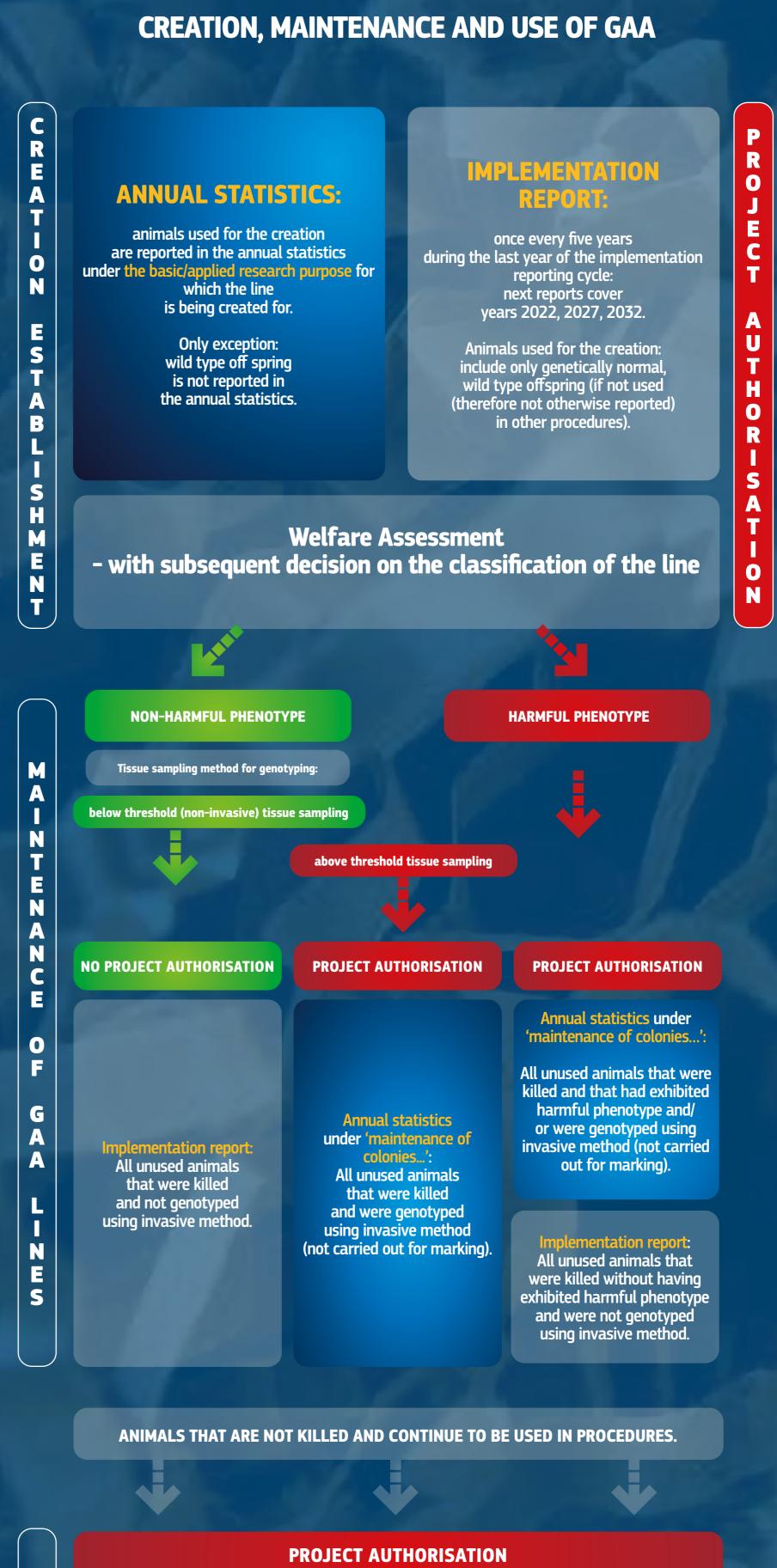
CREATION AND MAINTENANCE OF GAA LINES

Introduction of genome engineering reagents into embryos and germ cells P R 0 J E e.g., gene editing tools, DNA, ES cells Mating two GA lines Chemical C to create mutagenesis a new line Embryo implantation; vasectomy U Birth of offspring Genotyping 0 В Confirmation that genetic alteration is present R Breeding until stable transmission of the desired genetic alteration A Characterisation of phenotype M **Welfare Assessment** E 0 - with subsequent decision on the N N classification of the line



(*) Crossing/backcrossing two lines of non-harmful phenotype and where it can be reasonably expected that the new line will not result in a harmful phenotype

REQUIREMENTS FOR STATISTICAL AND IMPLEMENTATION REPORTING



Annual statistics: All animals that are used in procedures are reported in the annual statistics after completion of the procedure and for the purpose for which that procedure was carried out.

Source: http://ec.europa.eu/animals-in-science