



# **New methods of determining radionuclides in wildlife: New detectors for live-monitoring**

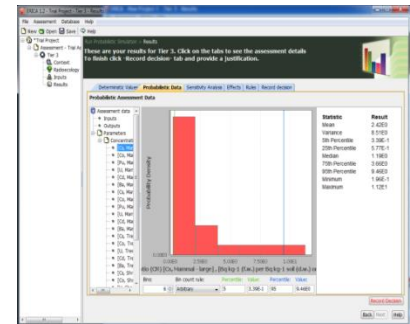
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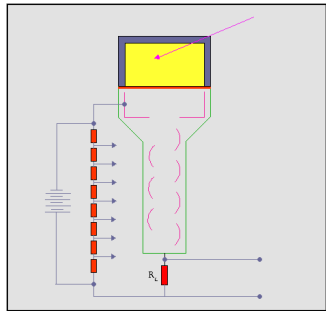
# Rationale

- Radiological risk assessments
  - Protected species and habitats
  - EC Birds & Habitats Directives
- Current methods:
  - Conservative modelling
  - Destructive analysis
- Need to provide confidence in assessments



# Objectives

- Determine and monitor radionuclides,
- Portable and durable,
- Compliant with UK regulations.
- Provide meaningful data
  - Variable background radiation



# Methodology

- Review current methods for monitoring radionuclides,
- Develop new detector technologies,
- Refine and calibrate detector technologies,
- Test detectors in variable background radiation environments.

