

# Formulation of the 2007-10 Acoustics and Ionising Radiation Programme

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The aim of the NMS Acoustics and Ionising Radiation Programme is to enable all users of ionising radiation and acoustical metrology in the UK to carry out measurements to **an accuracy that is fit for purpose** and **at the forefront of good practice internationally**.

The Programme seeks to provide:

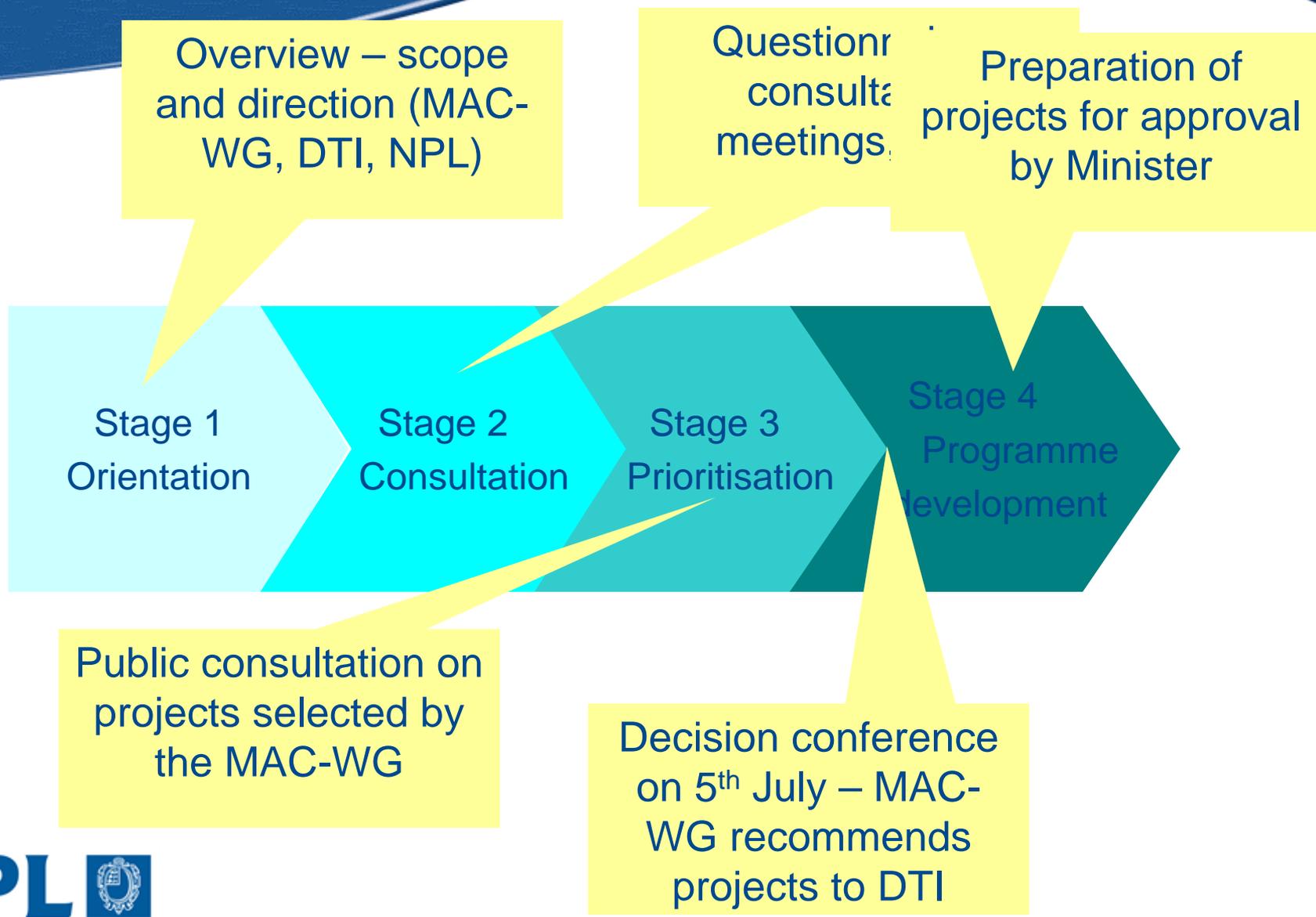
- Primary measurement standards
- Associated services
- Knowledge transfer mechanisms

and to support UK industry and user communities in

- The innovation of instrumentation
- Measurement methodologies

in line with government policy.

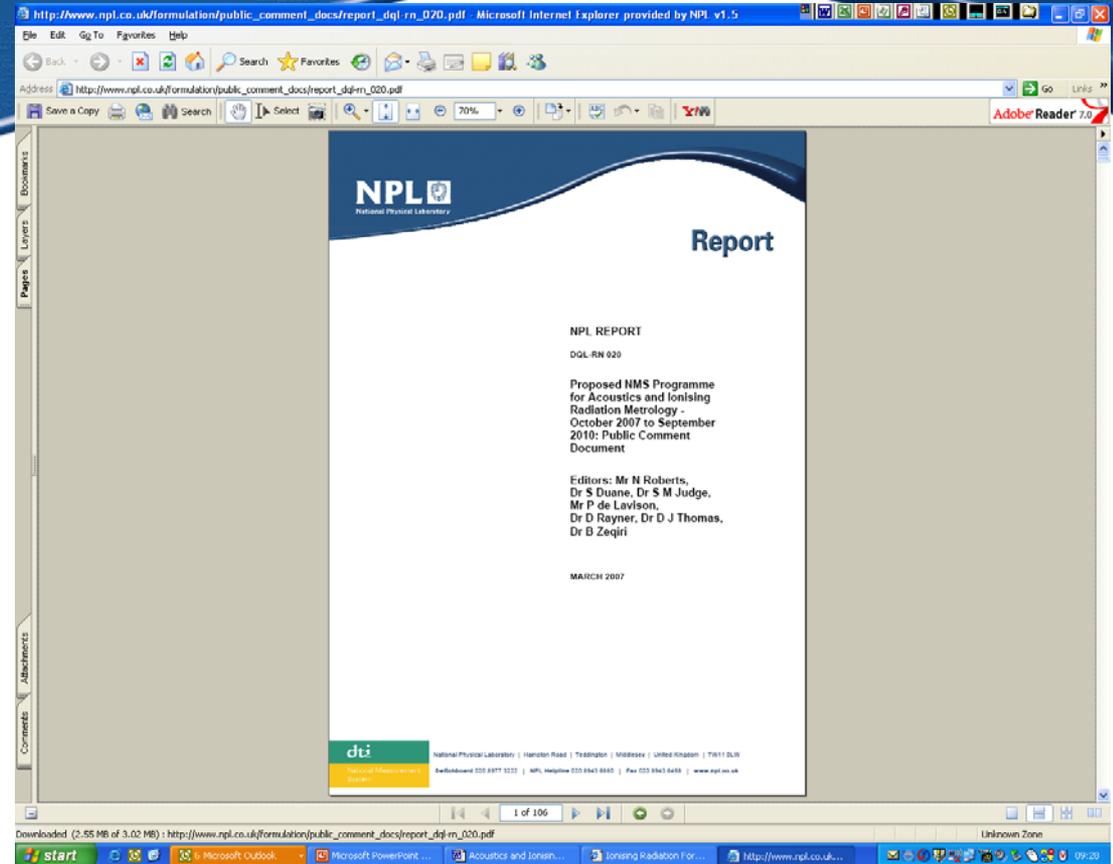
# Formulation of the programme



## Benefits of contributing to formulation

- Under the programme, primary standards and measurement R&D can be provided at no cost to you.
- Helping to formulate the programme aligns NMS projects to meet your requirements (eg, to meet regulations)
- It ensures that the services you use (such as this Forum) are retained
- It is also an opportunity to input to the development of best practice

# Public consultation document

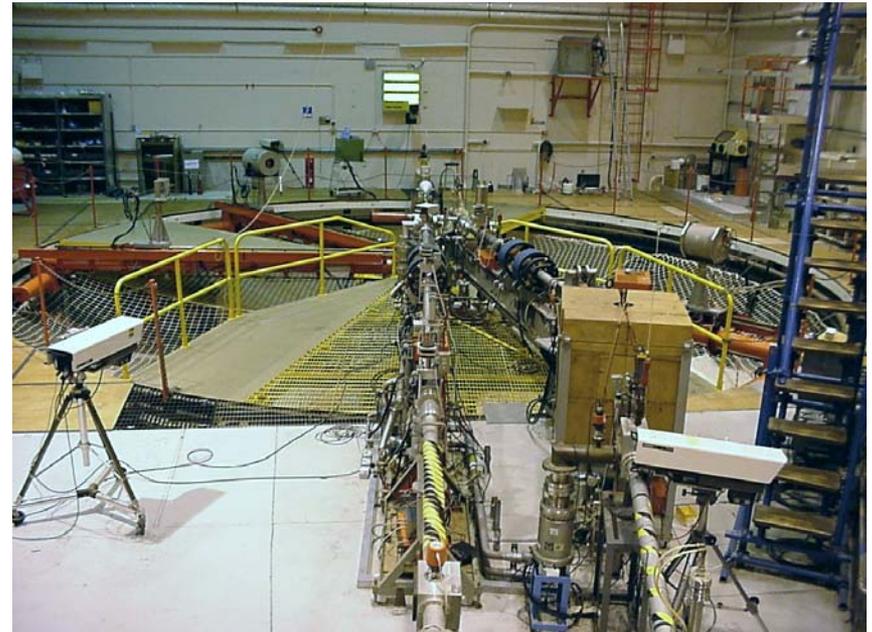


- Download from:
  - [http://www.npl.co.uk/formulation/ionrad/stage\\_3.html](http://www.npl.co.uk/formulation/ionrad/stage_3.html)

# Sections of particular interest may be...

- Extension of thermal neutron irradiation capability
- Characterisation of simulated neutron workplace field (for testing personal dosimeters)
- Extended energy range (<50 keV and > 15 MeV)
- GPG on maze design
- Novel EPD design (organic semiconductors)

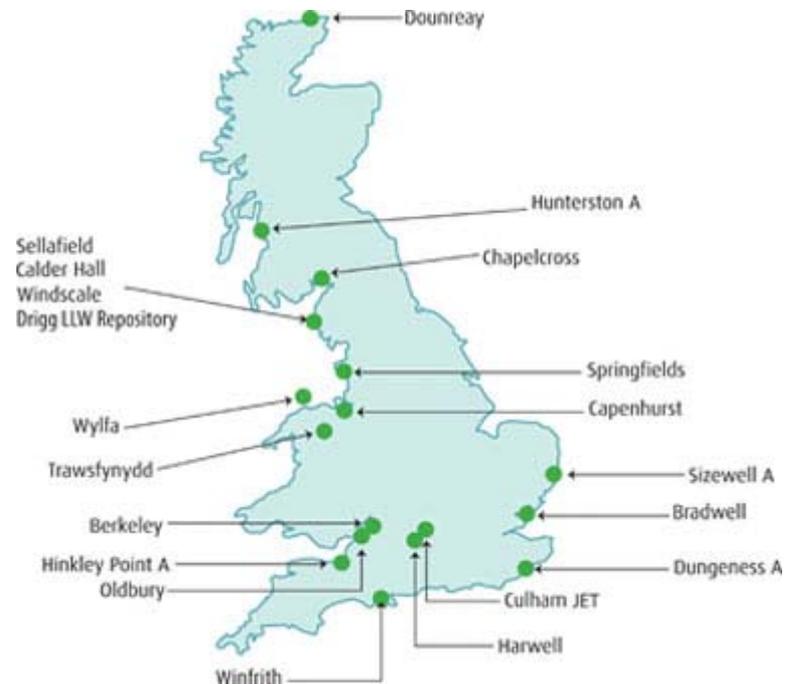
## Neutron Metrology



# Sections of particular interest may be...

- Comparison of true and apparent activities on stack discharge filters and surface wipes
- Use of micro-fluidic devices in radiochemistry
- Reference materials for decommissioning
- GPG on Bayesian statistics
- Provision of courses

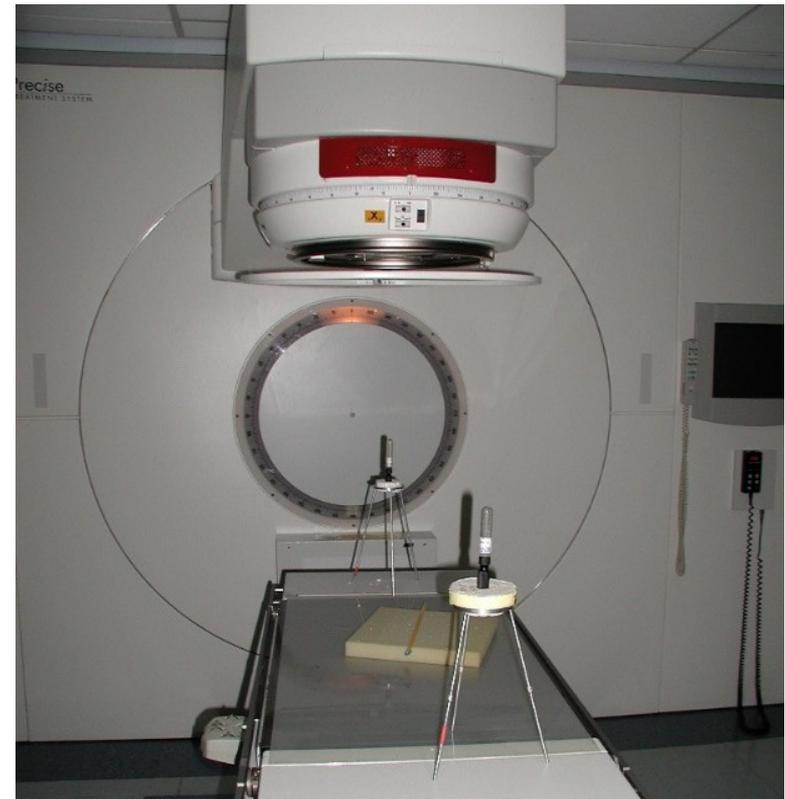
## Radionuclide Metrology



# Sections of particular interest may be...

- Training course on Monte Carlo codes
- Investigation of novel dosimetric techniques (eg, biosensors)
- Investigation into secondary standard response for the protection level ISO Low Air Kerma rate series

## Radiation dosimetry



- [http://www.npl.co.uk/formulation/ionrad/stage\\_3.html](http://www.npl.co.uk/formulation/ionrad/stage_3.html)

The screenshot shows a web browser window with the following content:

- Browser Title:** Ionising Radiation Formulation at NPL - Microsoft Internet Explorer provided by NPL v1.5
- Address Bar:** http://www.npl.co.uk/formulation/ionrad/interest.html
- Page Header:** NPL The UK's National Measurement Laboratory
- Navigation Menu (Left):**
  - Formulation@NPL
  - What is the NMS?
  - Ionising Radiation Programme
  - Stage 1: Orientation
  - Stage 2: Consultation
  - Stage 3: **Registration**
  - Stage 4: Programme Development
  - Questionnaires
  - Your contact details
  - NPL Home
  - Science
  - E-Store
  - NPL Publications
  - How can we improve the site for you?
  - Email Address
  - Full Feedback Form
- Main Content Area:**
  - Programme formulation @ NPL**
  - Your chance to influence the direction of DTI funded programmes
  - Ionising Radiation Programme Formulation**
  - Register your interest
  - Please use the "Comment(s)" box to provide your views on any aspect of the proposed Programme or to register interest in being kept informed of developments during the formulation process.
  - Registration Form:**
    - Name:
    - Organisation:
    - Email:
    - Tel:
    - Comment(s):
  - Disclaimer:** This information will be used for NPL purposes only, but you may, if you wish, ask for it to be used only for purposes of this Ionising Radiation formulation. Be assured that we will not pass these contact details on to any third party. If you are an existing NPL contact (customer, contractor, user group member, collaborator, etc.), we would like to use the above information to update our records. If you are not an existing contact, would you like to be added to our database of contacts? Please indicate your intentions below:
  - Database Update:** NPL may add this information to its contacts database or update information already on the database. Yes  No