

Acoustics and Ionising Radiation Programme 2007-2010

18 September 2007
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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.**

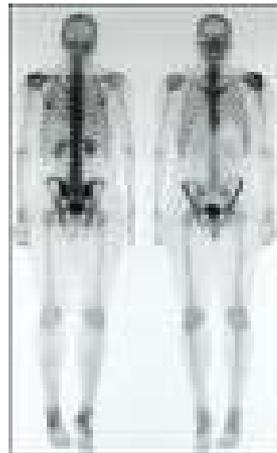
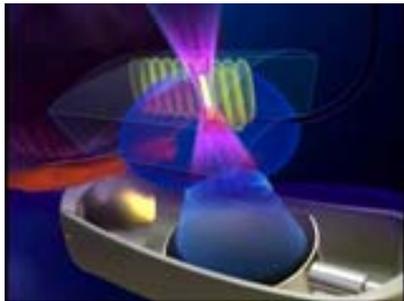
The Programme (~£25M) seeks to provide:

- Primary measurement standards
- Associated services
- Knowledge transfer mechanisms

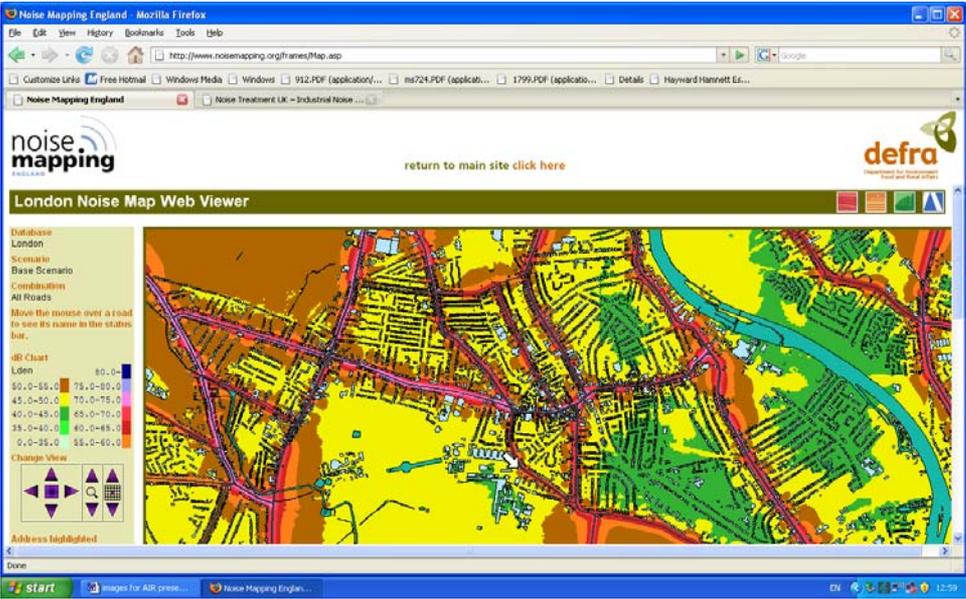
and to support user communities in

- The innovation of instrumentation
- Measurement methodologies

- Regulatory compliance
- Product specifications
- Effective therapy
- Safe exposure limits



Environment / energy



Industry / safety in the workplace





- The project proposals seek to balance:
 - Keeping existing high expertise, high impact, fields at a world-leading level
 - Developing new capability – some exciting science
 - Positioning some fields to increase third-party income and reduce dependency on NMS

Maintenance of high expertise, high impact fields

- Updating of primary & secondary standards
- Compliance with the MRA
- New LinAc
- Development of GPGs and new protocols

Development of new capabilities

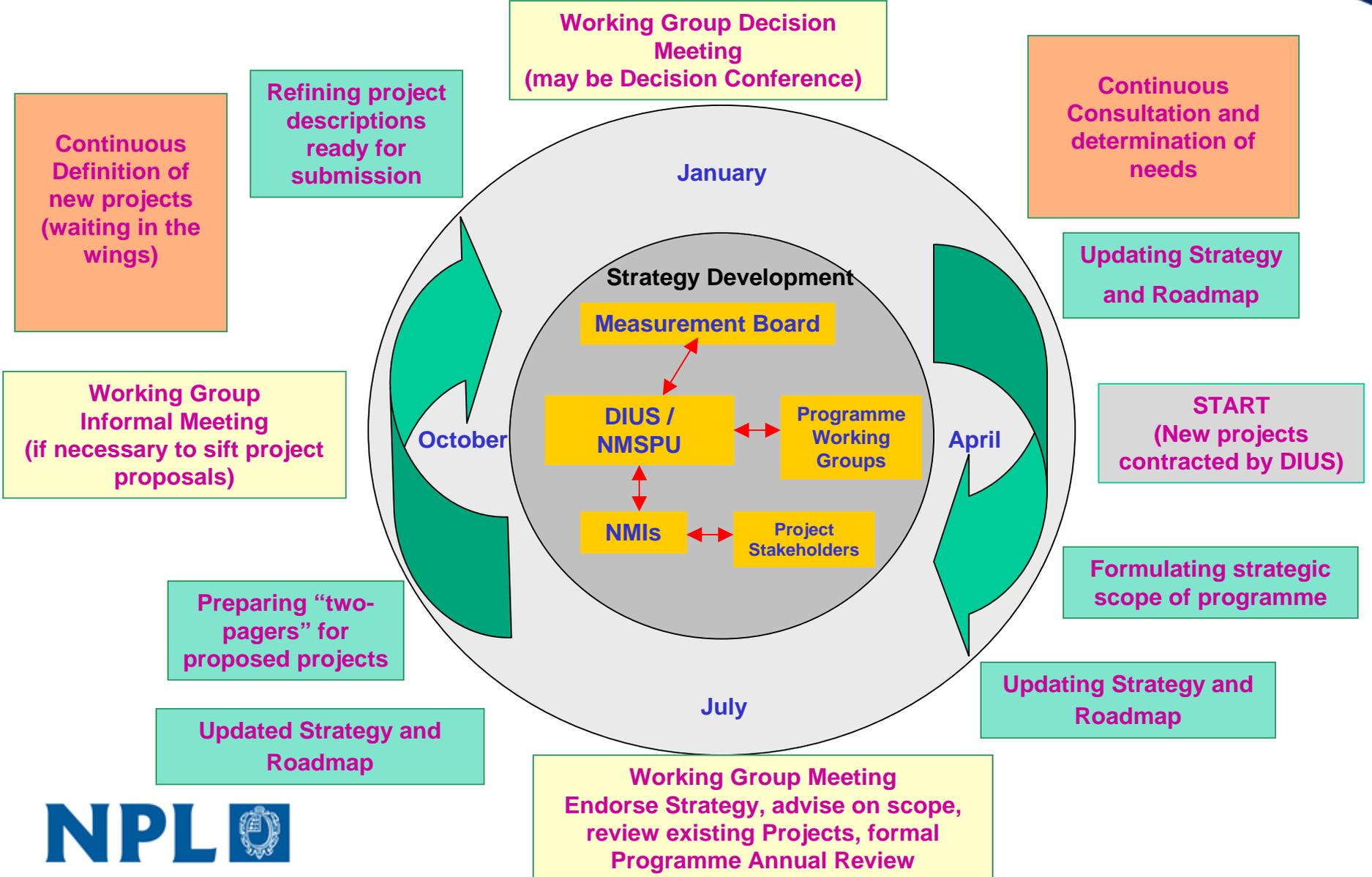
- Dosimetry for nuclear medicine
- Nanotechnology in radiometrics
- Novel reference materials for decommissioning
- Bayesian statistics
- Nanodosimetry
- MEMS

The Timetable

- May 2006 Orientation with MAC WG
- Oct 2006 Consultation to identify needs
- Jan 2007 Develop project proposals – 150%
- Feb 2007 MAC WG select 125% for public consultation
- May 2007 Public consultation
- Jul 2007 Decision conference to agree final content
- **Sep 2007 Develop final programme document**

- New Impact and Formulation Leader
 - One manager delivering programme (BL – S Judge)
 - One concentrating on user focus (IFL – me)
- More user focus
 - Better consultation with user groups
- There will still be assessment of ‘impact’
 - Economic
 - Quality of Life
 - Science

NMS Strategy Development and Programme Rolling Formulation on an Annual Cycle



Future formulation

- Remove workload from BL/GL's
- Rolling formulation (~1 yr) more responsive
- Roadmaps for next 6 – 10 years

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- Impact and formulation leader
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