

# DTI Materials and Thermal Metrology Programme Formulation

Bill Nimmo

Graham Machin

Materials and Thermal Metrology  
2007+

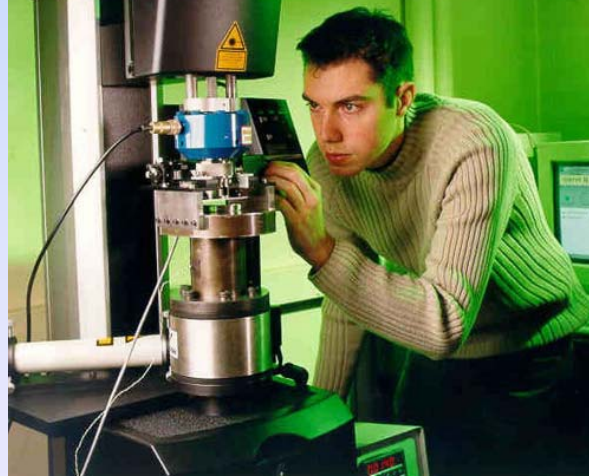


# Overview of formulation

A multiple input process in a time  
of change



# DTI Materials Metrology Programmes



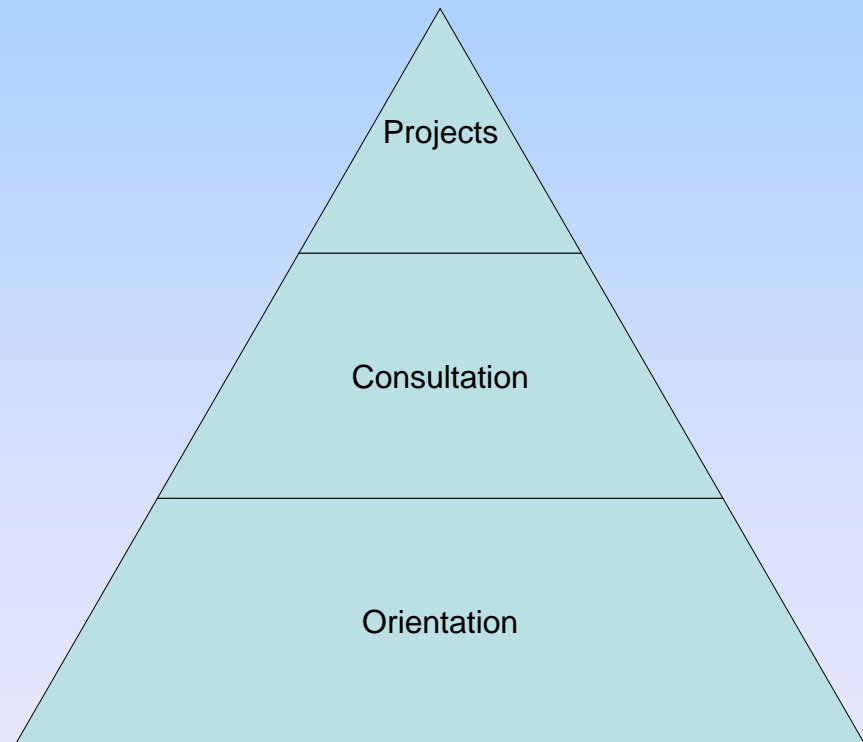
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# Formulation Framework – The Common Vision

- UK Industry
  - Orientation meeting
  - Rolling formulation process
- UK Government view
  - NMS - review
  - TSB – call to action

# Formulation: Process Steps

- Start Up
  - Budget
  - Timescales
  - Technologies
  - Delivery
  - Benefits
  - Partnerships
  - Needs
  - Drivers
- Formulation



# Formulation Timetable

- Kick Off Jan 2006
- Orientation Feb 2006
- Consultation Mar-Nov 2006
  - Websites
  - Focus Groups
  - Existing forums
- Project Submissions (120%) October 2006
- Decision Conference (100%) November 2006
- Programme launch April 2007



# Materials Programme 2007+ Orientation Outcomes

**In-situ measurement**

**Functional  
Materials**

**Modelling, data,  
reliability**

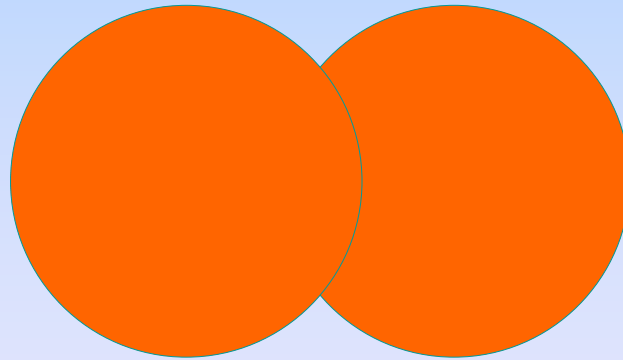
**Sustainability**

**Surfaces and  
coatings**

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# NMS review: an opportunity

**Materials**



**Thermal**

**dti**



# Impact matrix

# “must haves”

- ✓ demonstrably innovative and leading edge
- ✓ directly contributing to the UK Knowledge Base
- ✓ directly applicable to UK industry and actively supported by them
- ✓ in support of a current DTI innovation platform or theme



# Possible Projects

- SHM
- Design Toolkit for Lifetime Management under Dynamic Multi-axial Loading
- Nanocomposites - dispersion of reinforcement



# Opportunities

- Moisture in materials?
- Materials Thermal collaborations – invite a speaker to the next IAG
- Rolling Formulation – use IAG meetings

