

# Capability – Skills and R&D

## NDA Activities

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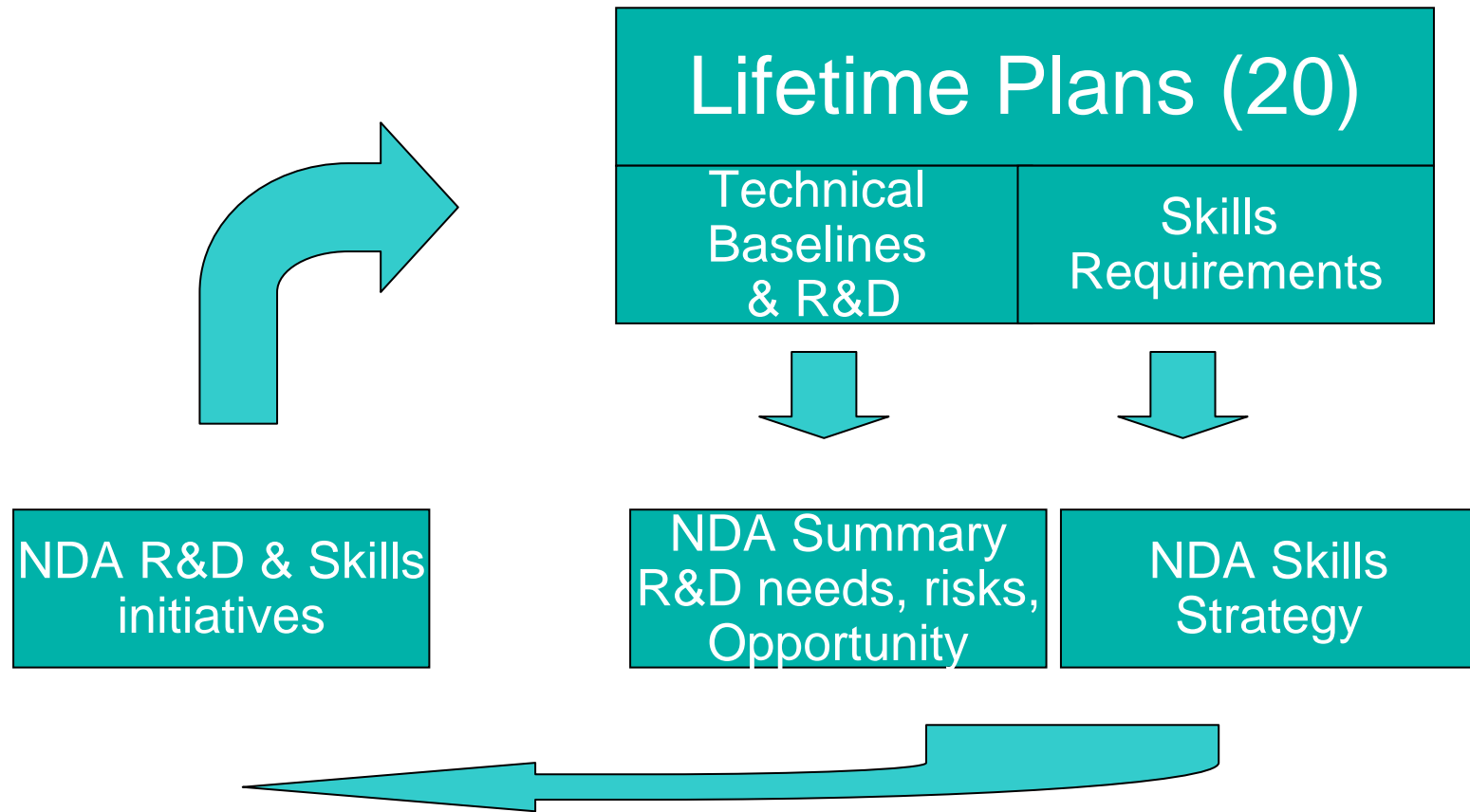
# Contents

- NDA Sites – Establishing the needs
- NDA approach to Technology Management
- NDA Technology and Skills initiatives

# Statutory duties Energy Act 2004

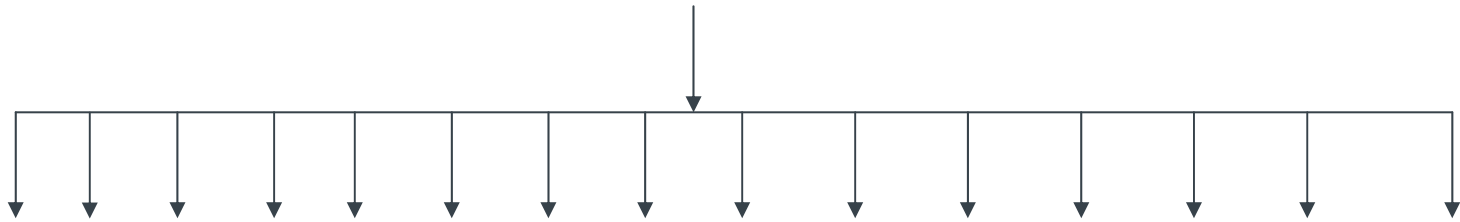
- Ensure legacy is dealt with safely, securely and cost effectively in ways that protect the environment.
- Promote competition in the decommissioning and clean up market.
- Carrying out Research & Development related to decommissioning.
- Ensure maintenance & development of skills to carry out decommissioning and clean up.
- Promote good practice and secure value for money.
- Support the social and economic life of communities around sites.

# Overview



# Site by site context

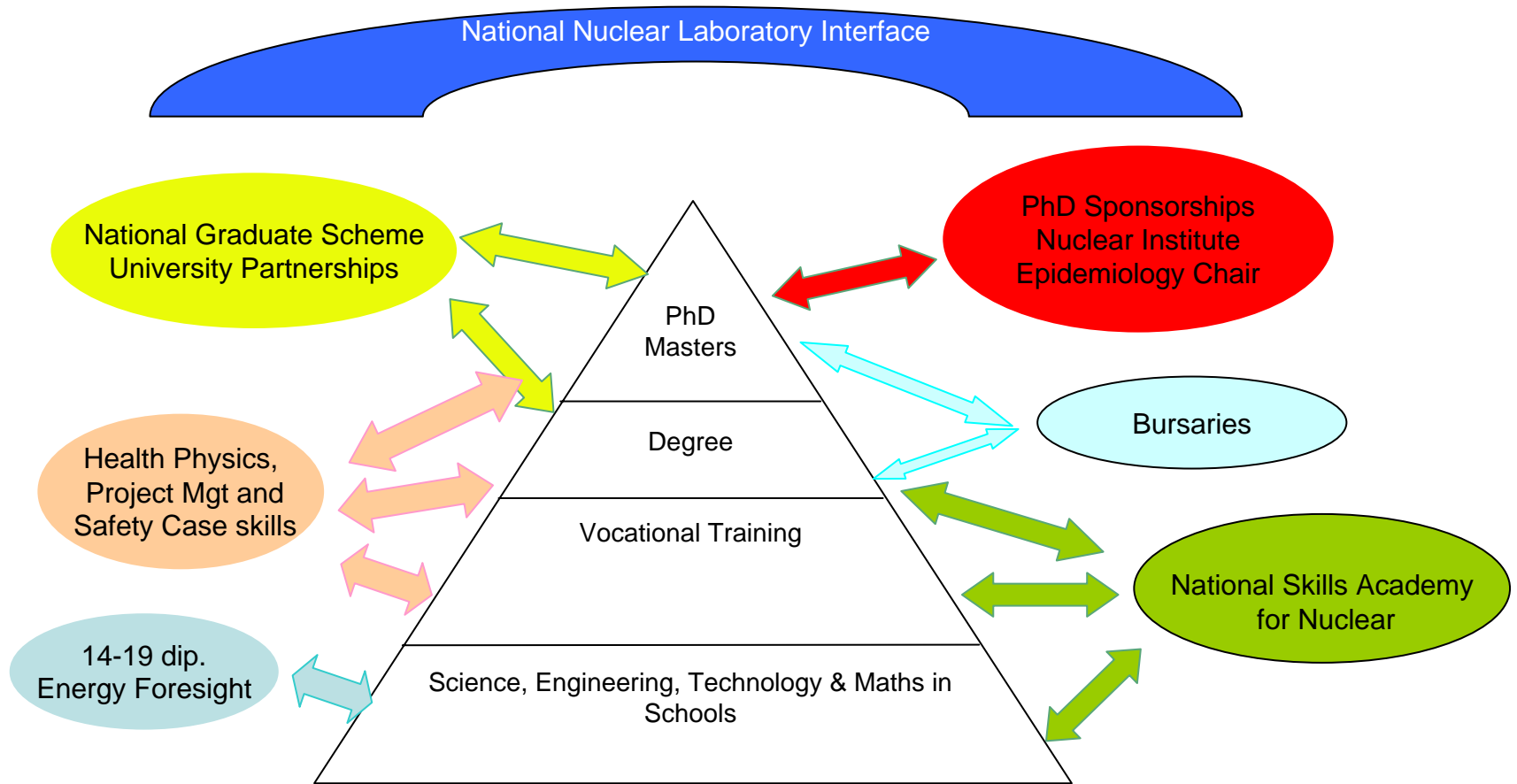
NDA Procedures  
PCP 07 LTP production  
PCP 10 Risk Management



Each site produces a Technical baseline  
Each site produces R&D Needs, Risks, Opportunities

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NDA broad assessment Technical Baselines & R&D

# Our Approach to Skills



# Initiatives

- o National Skills Academy for Nuclear (National Skills Academy)
- o Nuclear Institute (Dalton Cumbria Facility “RAD-Lab”)
- o Provision of a long term sustainable technical base in epidemiology and radiobiology
- o National Graduate Training Scheme
- o National Nuclear Laboratory
- o Energy Foresight Programme

# National Skills Academy for Nuclear

- A National initiative for development of training and skills building capability in UK
- Part of the Government strategy for National Skills Academies but rolling out in all regions
- Supported by all areas of the Nuclear sector – NDA, BE, BNFL, MOD, Serco, AMEC, etc..
- Aimed at the development of vocational skills for nuclear
- Regional centres in North West (Cumbria and Lancashire), South West (Bridgwater), South East, Scotland and North Wales

# Cumbria – The Nuclear Academy

- Based on Lillyhall campus (Workington)
- Strong links to Lakes College (FE)
- In partnership with Sellafield (B111)
- Strong links to University of Cumbria
- Building facility (completion date 2008)
- Recruited CEO



# RAD – Lab

- £20 M joint investment in R&D centred on Radiation Sciences and Decommissioning Engineering
- Location – West Cumbria
- 2 Professorial posts recruited
- New facility to be designed and built
- Train PhD students
- Strong industry interface

# Epidemiology

- £5M investment in Epidemiology
- Recruited Professor to West Cumbria
- Supporting evolving skill base in West Lakes Scientific
- Supporting range of health related studies

# National Graduate Scheme

- NDA Initiated scheme to recruit graduates into nuclear
- Covers all skills, not just Technical
- 2 year scheme – 3 six month placements – sites, regulators, Tier 2 / 3 suppliers
- NDA funded and administered
- Will form part of accreditation to Chartered status

# National Nuclear Laboratory

- Support from Minister – 2006
- Joint DBERR, NDA, Nexia Project team
- Decision expected shortly
- Based at British Technology Centre, W Cumbria
- GOCO model

# University Research Activities

- Supported Number of Research Alliances
  - Immobilisation Science
  - Particle Science
  - Materials
  - Radiochemistry
  - Non-destructive Evaluation
- Funded PhD Calls
- Supporting EPSRC initiatives
- Supporting European 7<sup>th</sup> Framework programme