

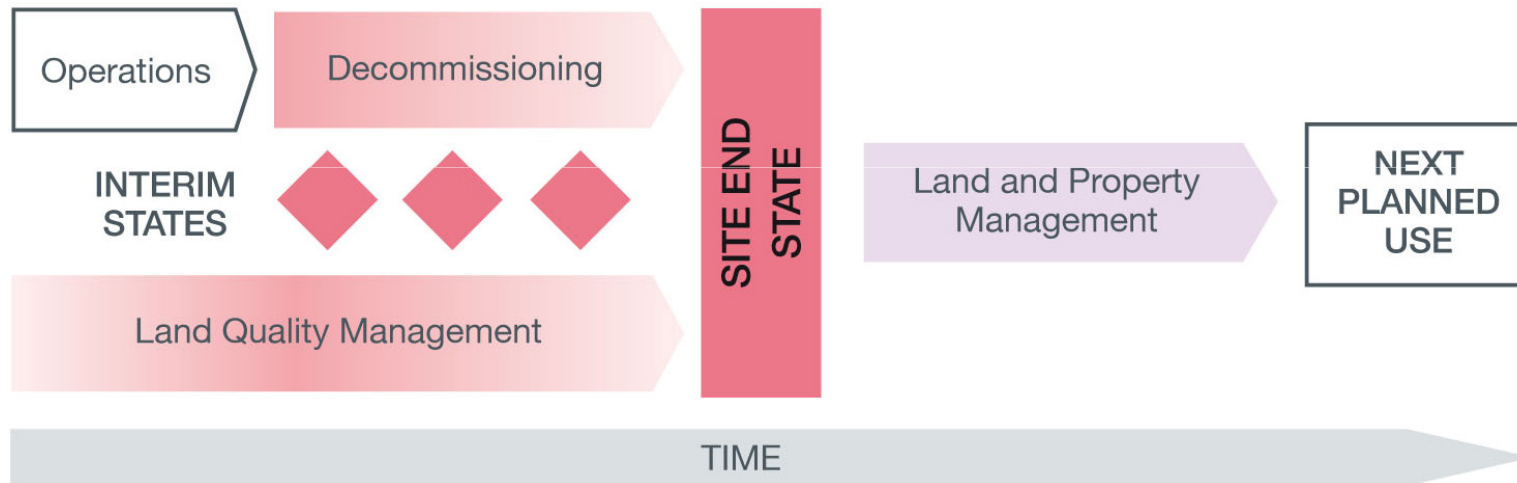
Site end states across the NDA estate

SAFESPUR forum
08 November 2012

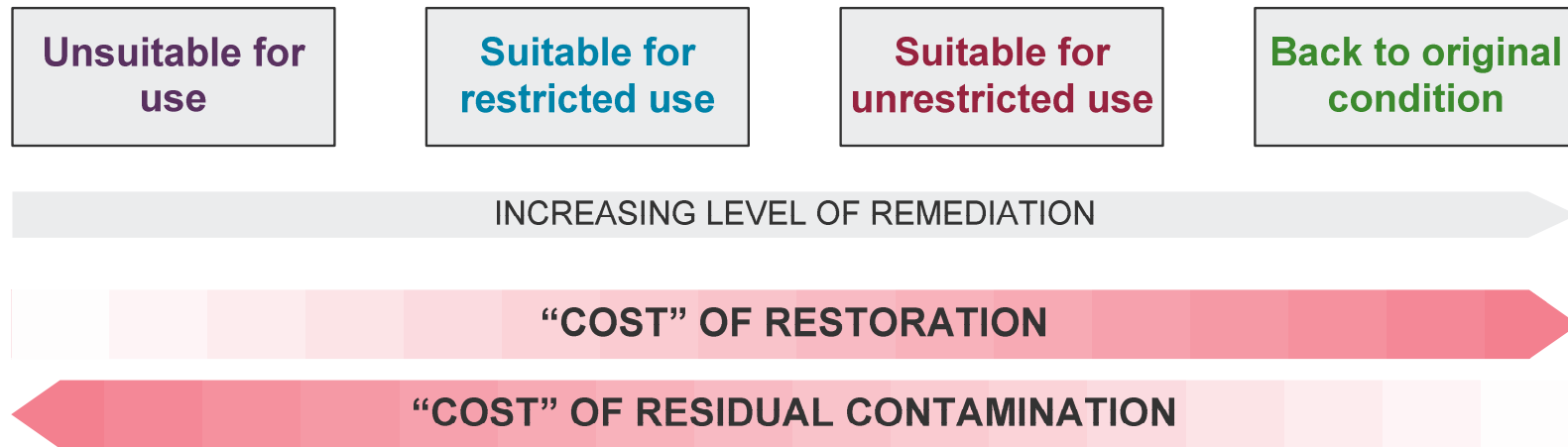
Dr Anna Clark
Head of Site Restoration

NDA's mission as defined in Energy Act 2004

- “making the site or installation suitable to be used for other purposes”



NDA Strategy for Site End States



- **Preferred option expressed in NDA Strategy:**
 - “pragmatic, risk-based restoration objectives that balance the benefits and detriments of restoration”
 - “restore our sites to a condition suitable for their next planned use”

NDA estate

Sellafield



Research Sites



Dounreay

Dounreay



Hunterston A

Sellafield
Calder Hall
Windscale
LLW Repository

Chapelcross

Magnox



Springfields

Wylfa

Capenhurst

Trawsfynydd

Sizewell A

Berkeley

Bradwell
Harwell

Oldbury

Hinkley Point A

Dungeness A

Winfrith

Next use - Stakeholder preferences

DOUNREAY – Economic regeneration

HUNTERSTON A –
Industrial to agricultural

CHAPELCROSS – Industrial and Commercial

SELLAFIELD - Industrial and commercial inc. nuclear use

SPRINGFIELDS – Use of economic, environmental and social benefit

LLWR – Waste management, nature conservation

WYLFA – Power generation inc. nuclear

CAPENHURST – Continued nuclear use

TRAWSFYNYDD – Tourism, leisure, commercial or industrial

SIZEWELL A – Recreational use, nature reserve

BERKELEY – Recreational use, nature conservation

BRADWELL – Recreational use, nature reserve

OLDBURY – Recreational use, nature conservation

HINKLEY A – Recreational use, nature reserve

HARWELL – Science Park

WINFRITH – Return to heath land

DUNGENESS A – New nuclear power or nature reserve



Defining Site End State

- Making site safe for next use
- Potential for reusing assets
- Protecting the environment



Ending the period of responsibility under Nuclear Installations Act 1965

- “additional risk of death to an individual must be no greater than one in a million per year regardless of *any foreseeable uses of the site*”
- Do we need to delicense?



Lifetime Plans versus strategic preference

- Lifetime Plans → make site suitable for any foreseeable use
- Strategic preference → make site suitable for next planned use



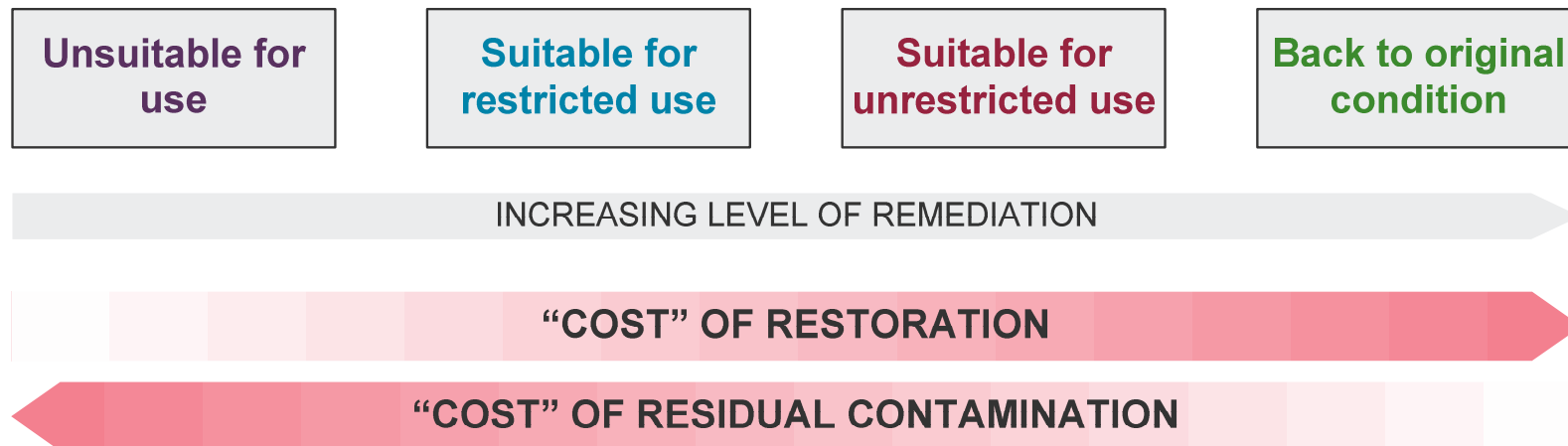
Focus of work for delivery of Site End States in Lifetime Plans

- Defining Site End State (*e.g.* clean-up criteria, state of structures)
- Translation of ‘any foreseeable use’
- Characterisation, *e.g.* Validation surveys
 - Statistical approach to sampling
 - Efficient and effective characterisation



Focus of work for strategy development

- Process for optimising clean-up criteria
 - “Value” of different land uses



Focus of work for strategy development

- Process for optimising clean-up criteria
 - Value of different land uses
- **Credible next uses**



- ★ Nominated for new nuclear build
- ★ Not nominated

Focus of work for strategy development

- Process for optimising clean-up criteria
 - Value of different land uses
- Credible next uses
- **Impact of having a licence**



Focus of work for strategy development

- Process for optimising clean-up criteria
 - Value of different land uses
- Credible next uses
- Impact of having a licence
- **Keeping records and ‘flagging’ previous nuclear use**

NDA Framework Contracts

Lot 3 – Site Restoration

Six consortia led by

- AMEC
- Arup
- Babcock
- Hyder Consulting
- RSK Group
- Serco (Energy, Safety & Risk Consultants)



Questions?
