

# UK Technology Initiatives - role of the regulator

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# This presentation

Environment Agency Science Strategy

UK framework for managing contaminated land

Barriers and opportunities

Partnerships

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# Delivering results: the new science programme

SLIDE 3

Figure 1. Science programme structure

**Our policy priorities**  
*Generally 3–10 years*

**Day-to-day operations**  
*Generally 1–5 years*

- Scientific advice
- Environmental standards
- Predictive models
- Decision-support systems
- Risk-assessment tools
- Prevention and remediation techniques
- Ecological assessment methods
- New monitoring technologies

## Environmental futures

*Up to 10 years  
and beyond*

- Big picture
- Horizon-scanning
- Future scenarios
- Environmental change

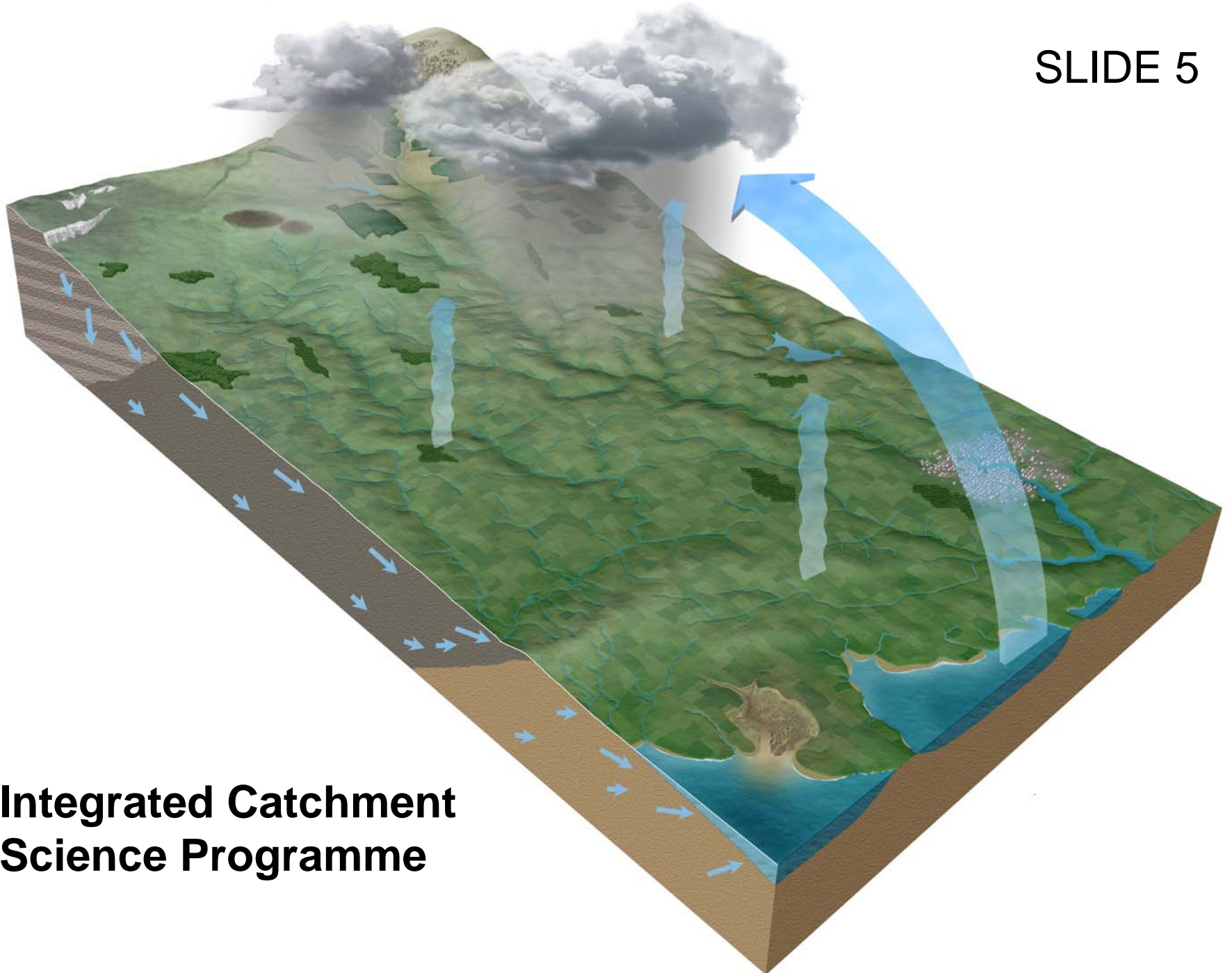
Thematic science programmes:

- Climate change impacts
- Environment and human health
- Integrated catchment science
- Flood risk science
- Sustainable use of resources

## Breakthrough projects

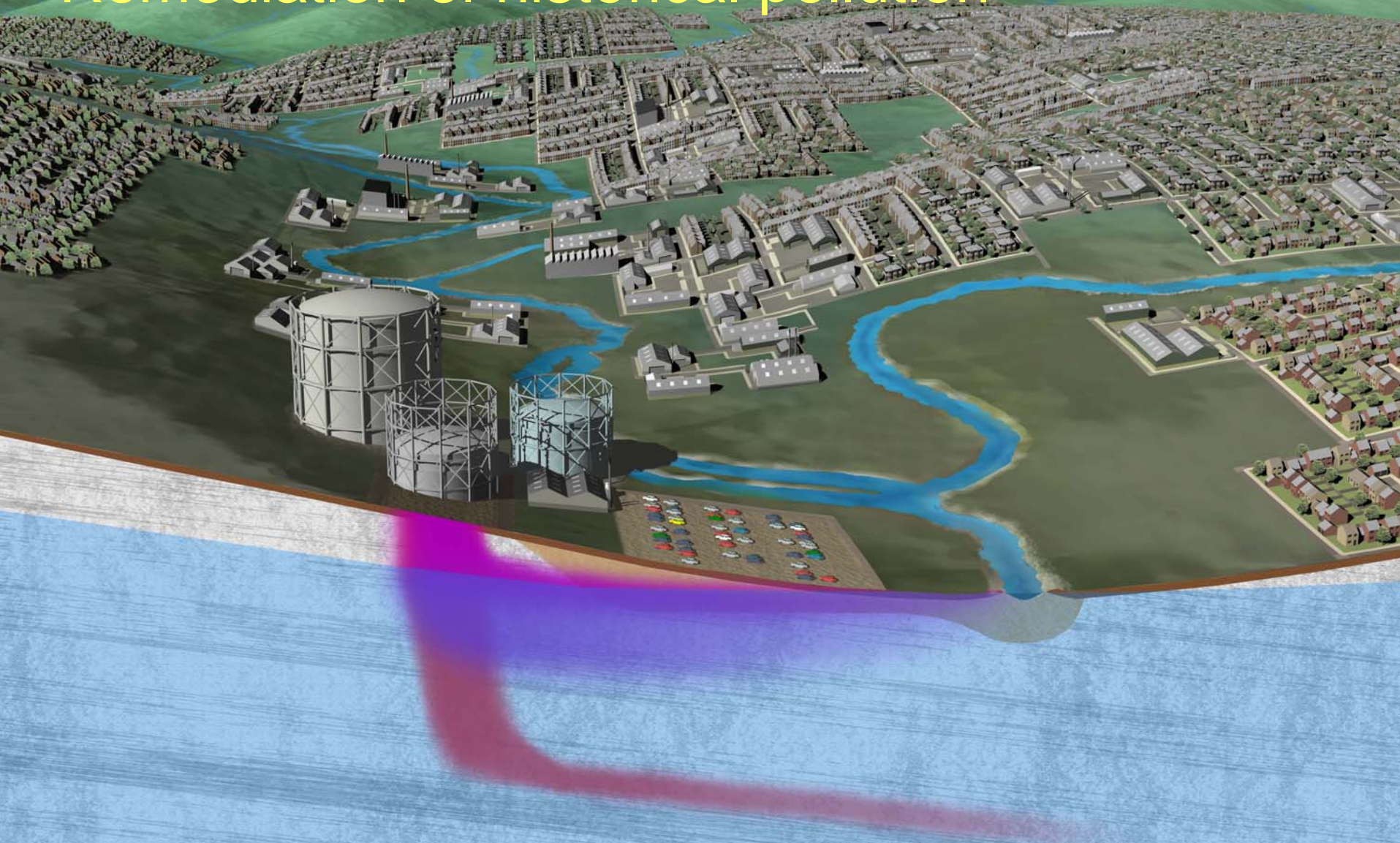
*1–10 years*

Designed to make our operations more efficient and effective, and to lead to new ways of working



**Integrated Catchment  
Science Programme**

# Remediation of historical pollution



Understanding pressures on catchments

[www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)

# Model Procedures for the Management of Land Contamination

Contaminated Land Report 11

## What is CLR11?

The technical risk management framework for dealing with land contamination in the UK;

Part 1 - Details the process for risk assessment, options appraisal and implementation of remediation;

Part 2 - Technical information to support the process;

Part 3- Sources of further information and guidance.



## Objectives of CLR11

To provide a consistent framework for decision-making

To increase confidence in the decision making process

To provide ready access to relevant knowledge and best practice guidance

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# Barriers

SLIDE 10



# Confidence in new technology

Who wants to be first?



# Opportunity

SLIDE 12



# Opportunity

Strategically-driven technology needs

diffuse urban pollution

brownfield regeneration

Landfill Directive

landfill classification

pre-treatment

acceptance criteria

Knowledge transfer networks

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CL:AIRE



## CONTAMINATED LAND: APPLICATIONS IN REAL ENVIRONMENTS

PROMOTING SUSTAINABLE REMEDIATION

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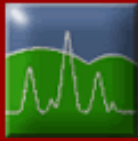
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CL:AIRE is a public/private partnership involving the following stakeholders:

- government policy makers
- regulators
- industry
- research organisations
- technology developers

[www.claire.co.uk](http://www.claire.co.uk)

CL:AIRE provides a link amongst the main stakeholders in contaminated land remediation in the UK, to catalyse the development of cost-effective methods of investigating and remediating contaminated land in a sustainable way.



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## WELCOME TO THE SOIL AND GROUNDWATER TECHNOLOGY ASSOCIATION HOMEPAGE

Visitors since 2/9/98: 14312

SAGTA's Homepage was last updated *2nd November 2005*

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[www.sagta.org.uk](http://www.sagta.org.uk)





# Integrated Pollution Management Knowledge Transfer Network (IPM-Net)

[www.firstfaraday.com](http://www.firstfaraday.com)

**With effect from 1st March 2006 FIRSTFARADAY has become IPM-Net and expanded its remit**

IPM-Net assists industry to meet the demands of regulatory and business drivers for the integrated management and remediation of environmental pollution. Drawing together organisations that deal with environmental pollution, waste and water, IPM-Net enables businesses to become more competitive, create jobs, increase wealth and improve the position of UK environmental industries in the global marketplace.

- **Supporting innovation and technology development**

Delivering cost effective, sustainable solutions

- **Accelerating knowledge and technology transfer**

Developing business opportunities, contacts and collaborations

- **Developing skilled personnel**

Enhancing staff and company performance

- **Impacting Government Strategy**

Shaping policy, funding and vision

For additional details see our latest flyer [click here](#) visit our [News Page](#)



## Concluding remarks

Operationally-driven and cross-cutting  
science strategy

Enabling framework (CLR11)

provides opportunity, seeks justification

Active partner in technology and knowledge  
transfer

close links with IPM-Net, CLAIRE, etc..

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