

Adaptation Strategies and Partnership-Working in a Global City:

The Case of London

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London Climate Change Adaptation Strategy

A risk-based approach that :

1. Assesses how London is vulnerable to weather-related risks today
2. Uses climate projections to understand how climate change accentuates existing risks or creates new risks / opportunities in the future
3. Identifies and tests risk management options **in partnership**



**MANAGING RISKS
AND INCREASING
RESILIENCE**

THE MAYOR'S CLIMATE CHANGE ADAPTATION STRATEGY
OCTOBER 2011

Mayoral adaptation actions

- Identifying who and what is at risk, today & tomorrow
- Re-greening the city
 - Increase London-wide tree cover by 5% by 2025
 - Increase greencover in the centre of London by 10% by 2050
- Ensuring new development is fit for the future
- Retrofitting existing development
 - Public and private sector retrofit programmes
- Raise awareness, encourage ownership of risk and build capacity to act
 - Revising emergency plans to be more proactive
 - Community Resilience Plans
- Leading by example
 - Changing corporate approach to climate risks
- Research into 'adaptation gap'



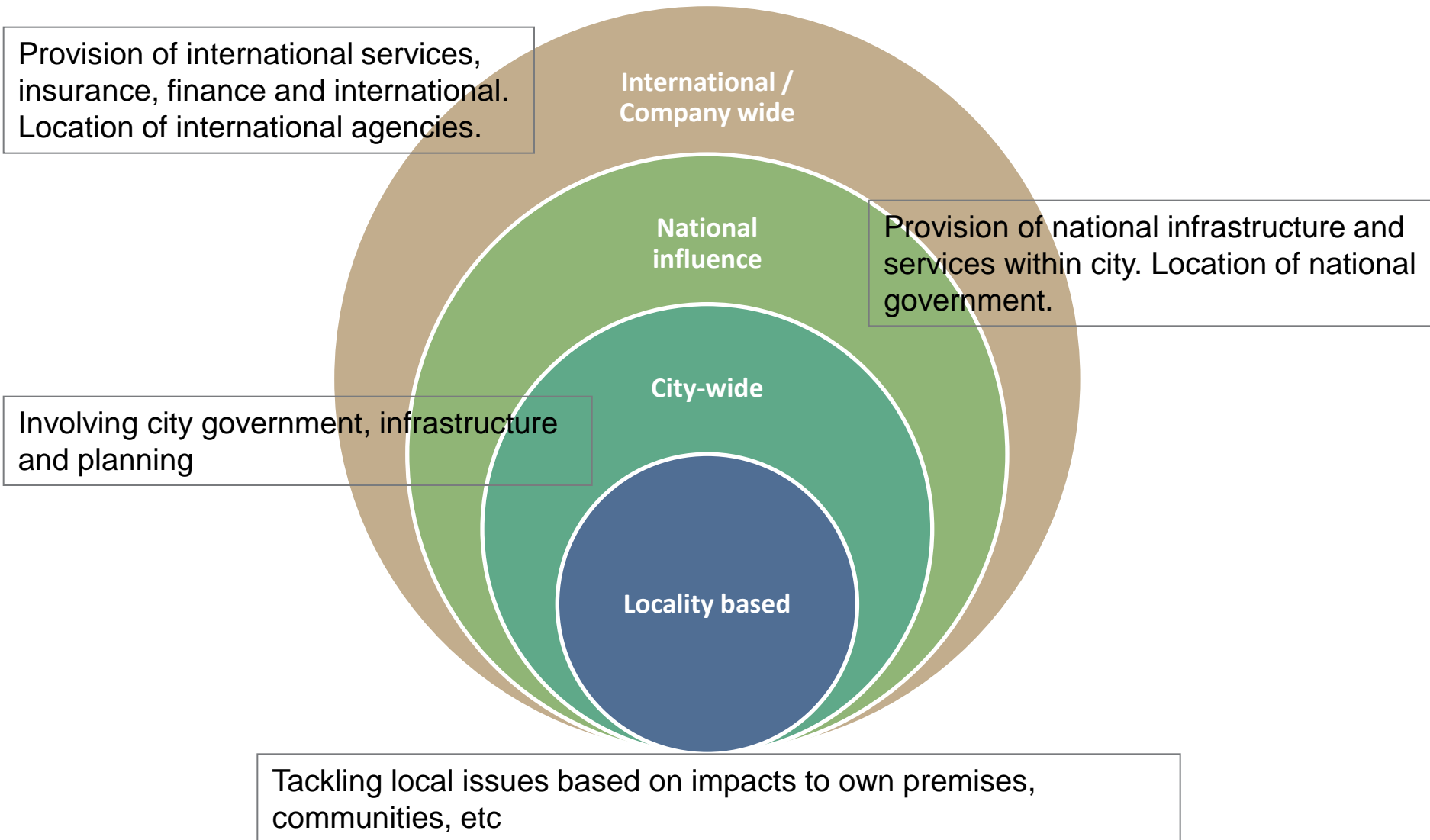
LCCP's Vision

London's people and systems are dynamically adapting to its changing climate, and its economy is reaping the rewards of being a world leader in this field.



Despite changes in the climate, Londoners are no more at risk from extreme weather events in future than they are today.

City scale stakeholder engagement



The Climate UK network

- 1 Sustainability East
- 2 Climate East Midlands
- 3 London Climate Change Partnership
- 4 Climate NE
- 5 Climate Change Northwest
- 6 Climate South East
- 7 Climate SouthWest
- 8 Sustainability West Midlands
- 9 Your Climate - Climate Change Partnership for Yorkshire and Humber
- 10 Climate Northern Ireland
- 11 Adaptation Scotland
- 12 Welsh Government



www.climateuk.net

Business impacts to consider

1 Markets

- Population need and changing demand

2 Logistics

- Vulnerability of supply chain, utilities and transport infrastructure.

3 Premises

- Impacts on building design, construction, maintenance and facilities management.

4 Process

- Impacts on planning and service delivery.

5 People

- Implications for workforce and changing lifestyles.

6 Finance

- Implications for investment, resources and organisational reputation

World Economic Forum 2014 Global Risks

1. Fiscal crises in key economies
2. Structurally high unemployment/underemployment
3. Water crises
4. Severe income disparity
5. Failure of climate change mitigation and adaptation
6. Greater incidence of extreme weather events
7. Global governance failure
8. Food crises
9. Failure of a major financial mechanism/institution
10. Profound political and social instability.

But...

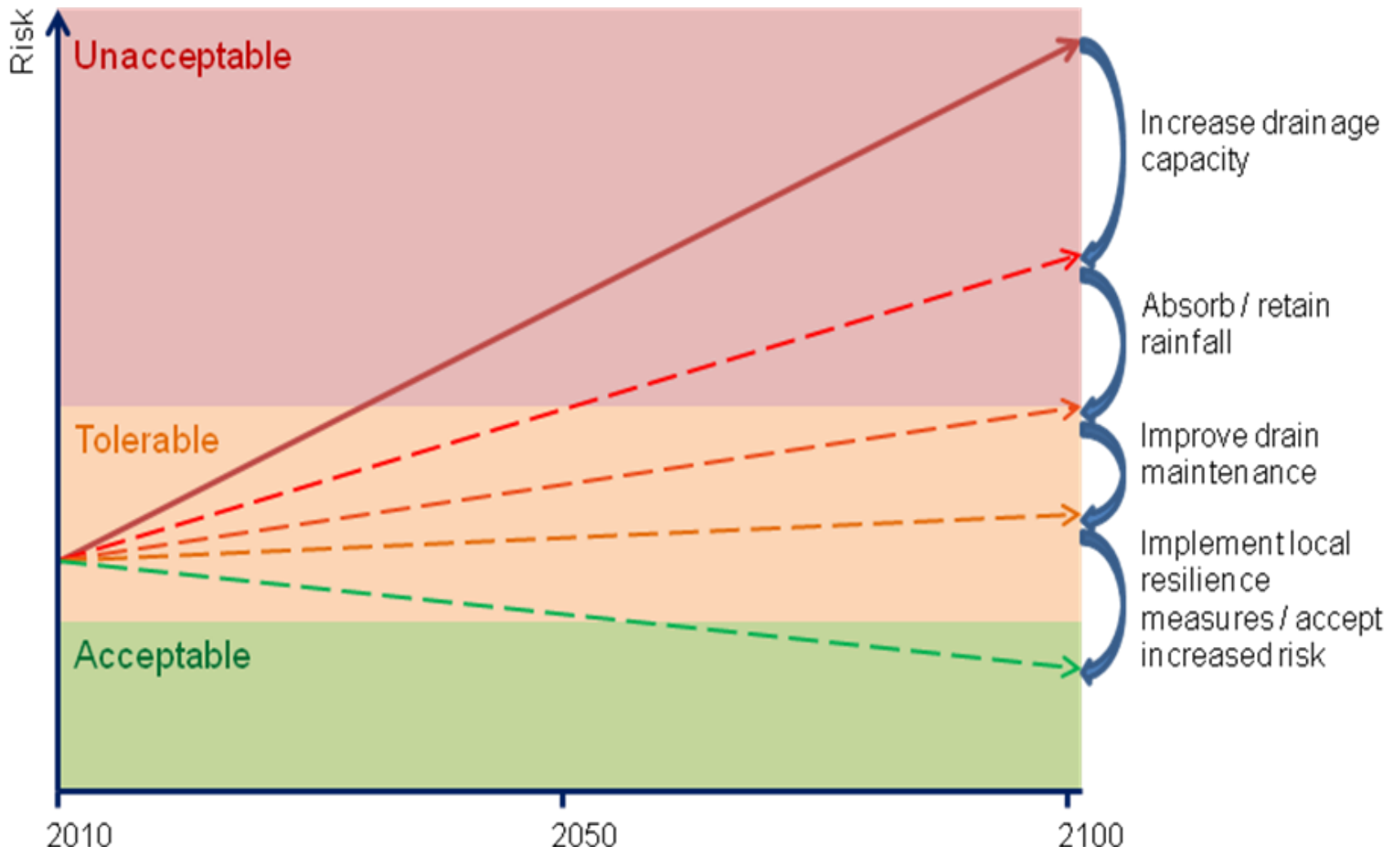
The Carbon Disclosure Project's 2013 Supply Chains report found:

- Only 20% of businesses responding to their survey identified water-related risk to their supply chains
- Few were ready to engage on the subject

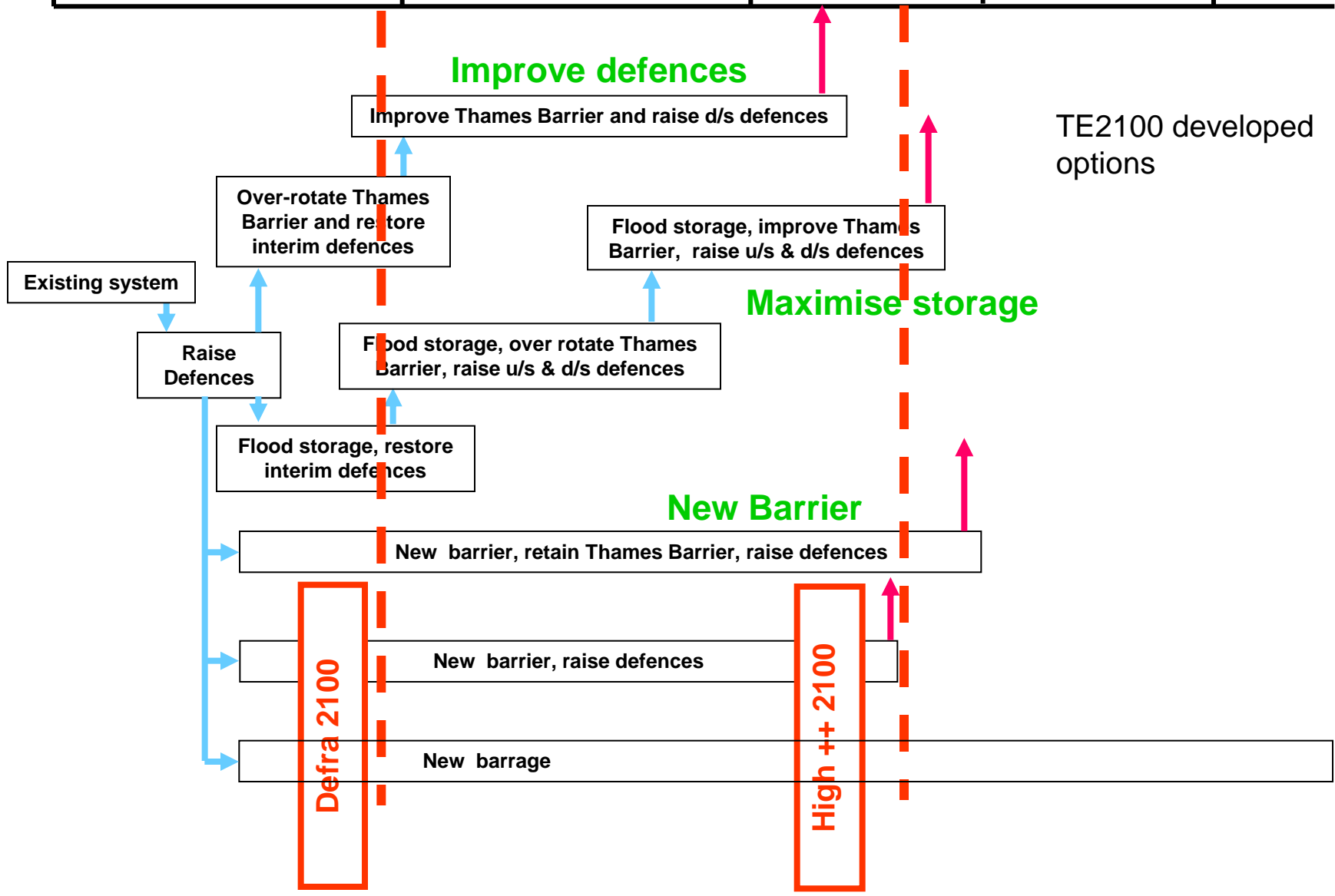
- *Some* great examples of practice in private sector:
- Asda supply s

- www.businessresiliencehealthcheck.com

Understanding the 'adaptation gap'



Maximum water level rise:

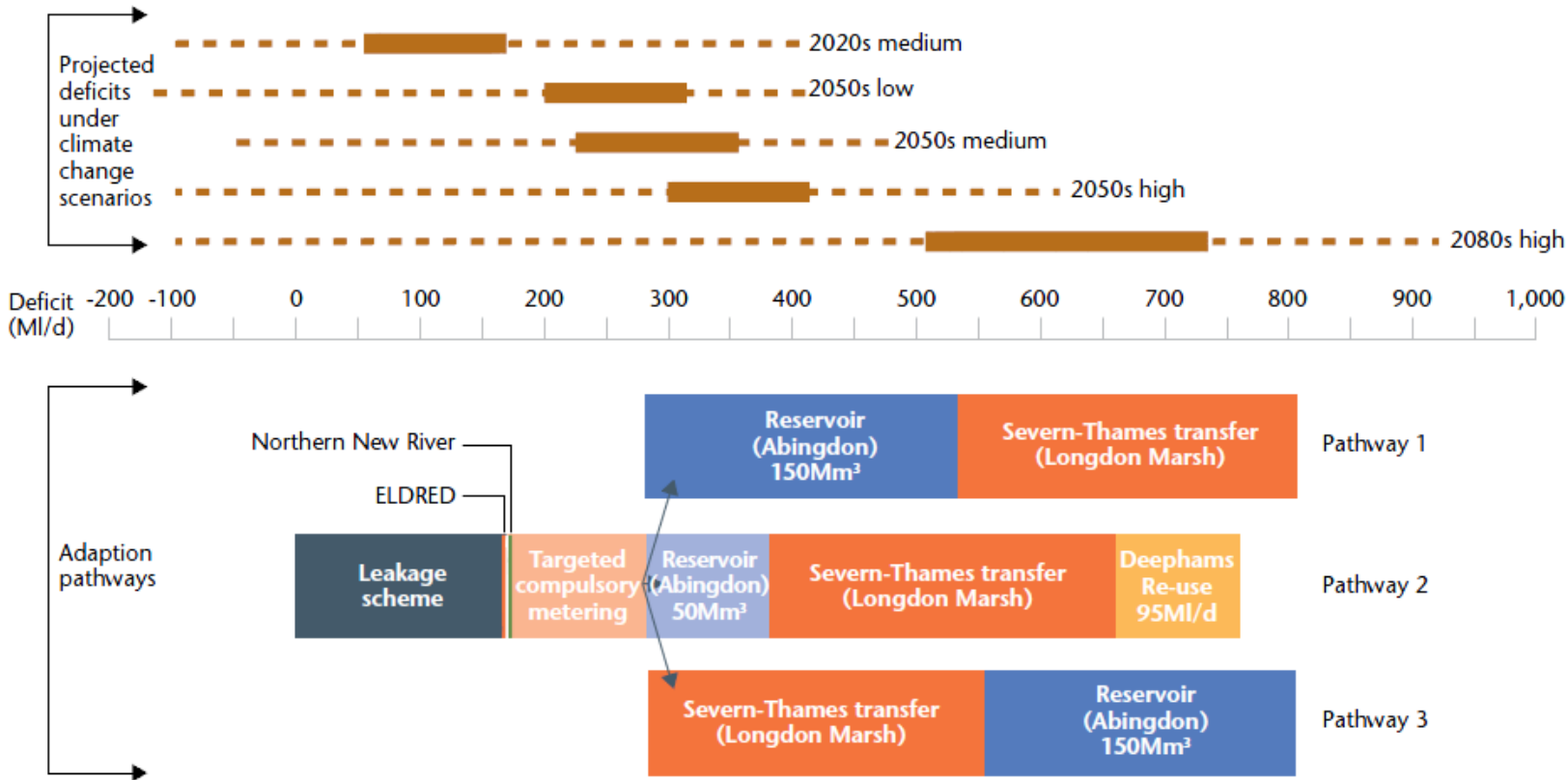


TE2100 developed options

Note:
Each box represents one or more portfolios of responses

Climate Change Adaptation SC

Figure B4.2: Water resourcing investment decision tree for London, 2020s to 2080s



London's Adaptation Economy

New study to be published soon:

- The UK's is the sixth largest in the world (£6.9bn A&R; £897m A&RCC in 2012/13)
- Strong throughout the recession and set to continue growing
- New York is has a bigger adaptation economy than London, but we're ahead of Rotterdam, Paris, Beijing and Singapore
- Cities are more comparable with each other than with their respective countries

London A&RCC Sales, Employment and Companies by Sub Sector 2012/ 13

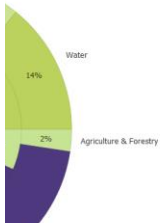
Key

Inner: Companies

Middle: Employment

Outer: Sales

Sorted by Measures Coloured by Level 2



Benchmarking

- Many comparisons taking place internationally (C40 Cities, World Bank, Rockefeller Resilient Cities, Munich Re, Maplecroft, Carbon Disclosure Project, etc)
- National process via Adaptation Sub Committee
- Knowledge exchange more important than ranking



Thank you

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