

❖ Prince Phillip House, 3 Carlton House Terrace, London SW1Y 5DG

❖ Tuesday, 5 March 2019

Decision Making Under Deep Uncertainty Workshop



Tim Reeder London Climate Change Partnership / Trioss

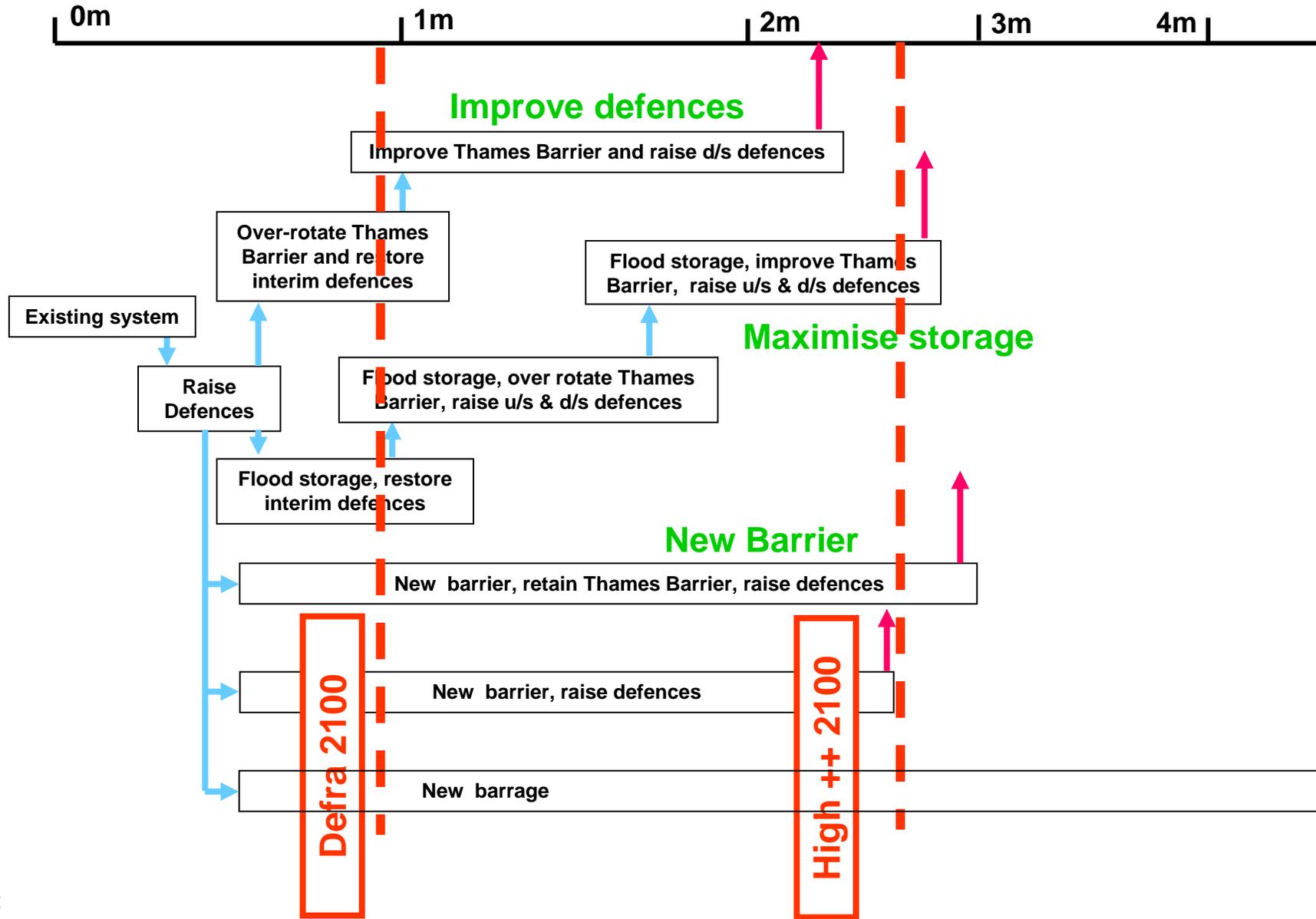
**Development of adaptive
pathways and water resources
planning case study**

Contents

- ❖ **Piloting of adaptive pathways approach**
- ❖ **Developing approach for Water Resources**
- ❖ **Future developments**



Maximum water level rise:



Note:

Each box represents one or more portfolios of responses

Slide courtesy of Environment Agency

“The TE2100 approach was - no doubt about it with any one involved in the Dutch Deltaprogramme - absolutely of fundamental value in developing our own way (baptized ‘adaptive deltamanagement’) to somehow deal with uncertainties in the process of preparing the so called Deltadecisions - which together form the basis for the 20 billion proposal which is now in parliament.” P Bloemen



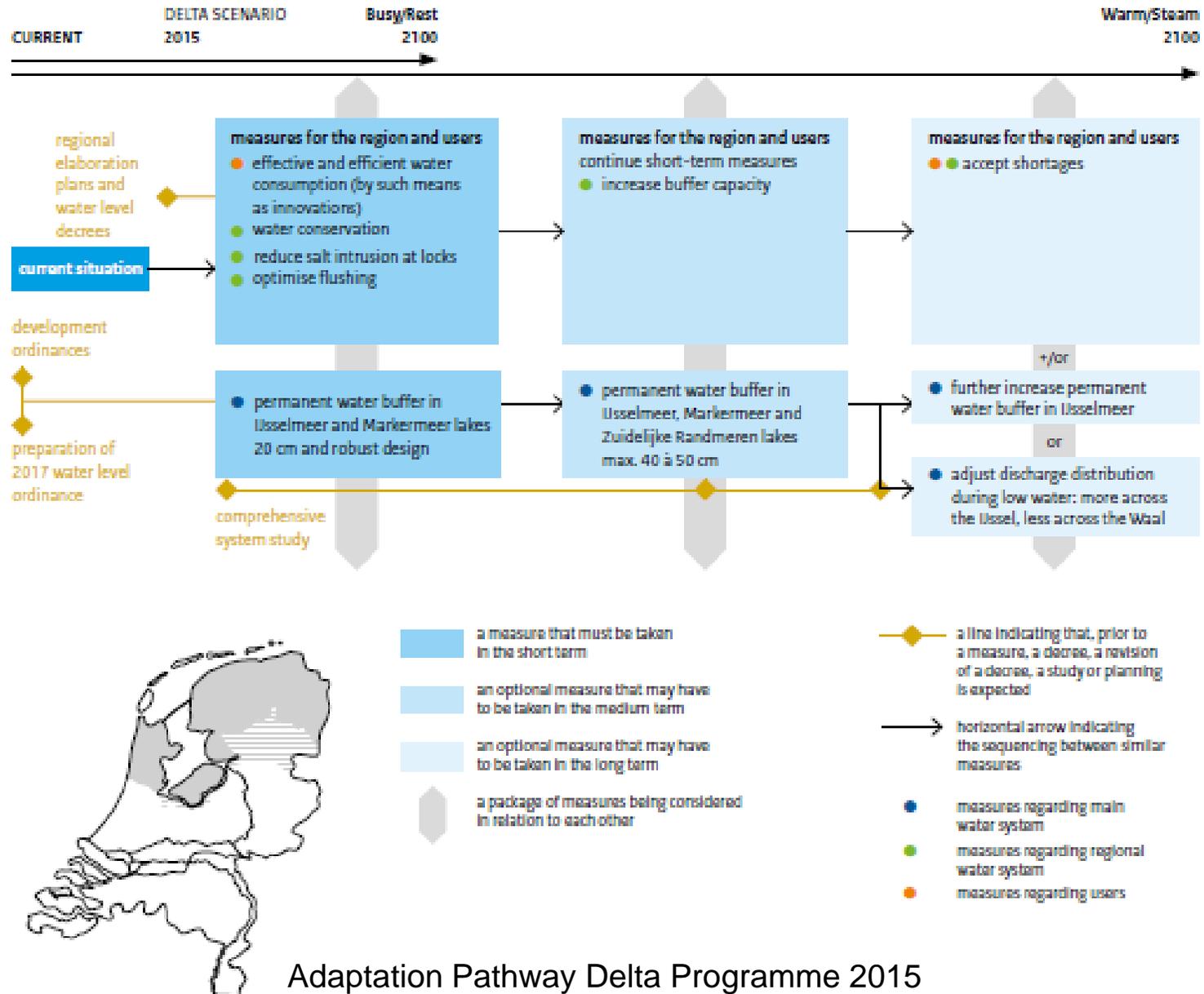
Delta Programme 2015

Working on the delta

The decisions to keep the Netherlands safe and liveable



Figure 5 IJsselmeer region, adaptation path for preferential strategy for freshwater (including region name)





WARNING



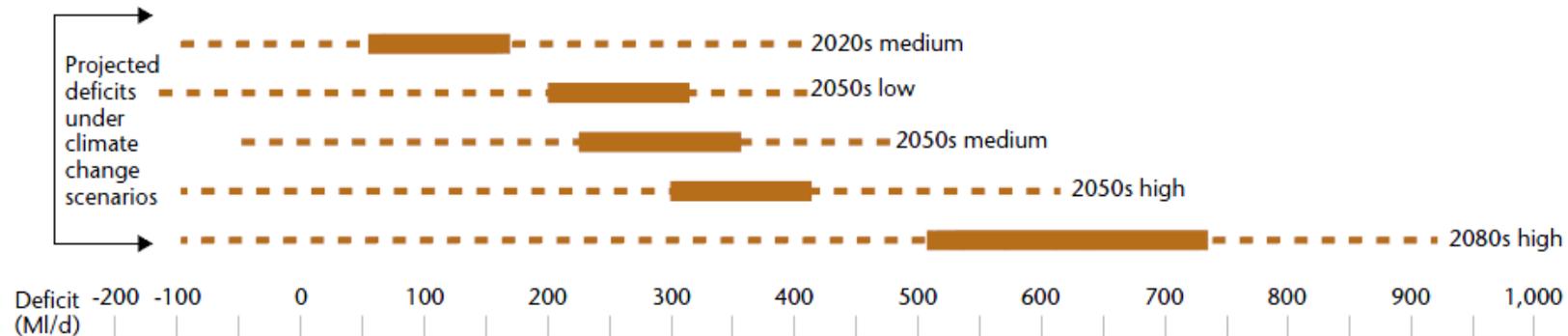
**YOU ARE
ENTERING A
DROUGHT
AREA**

SAVE WATER

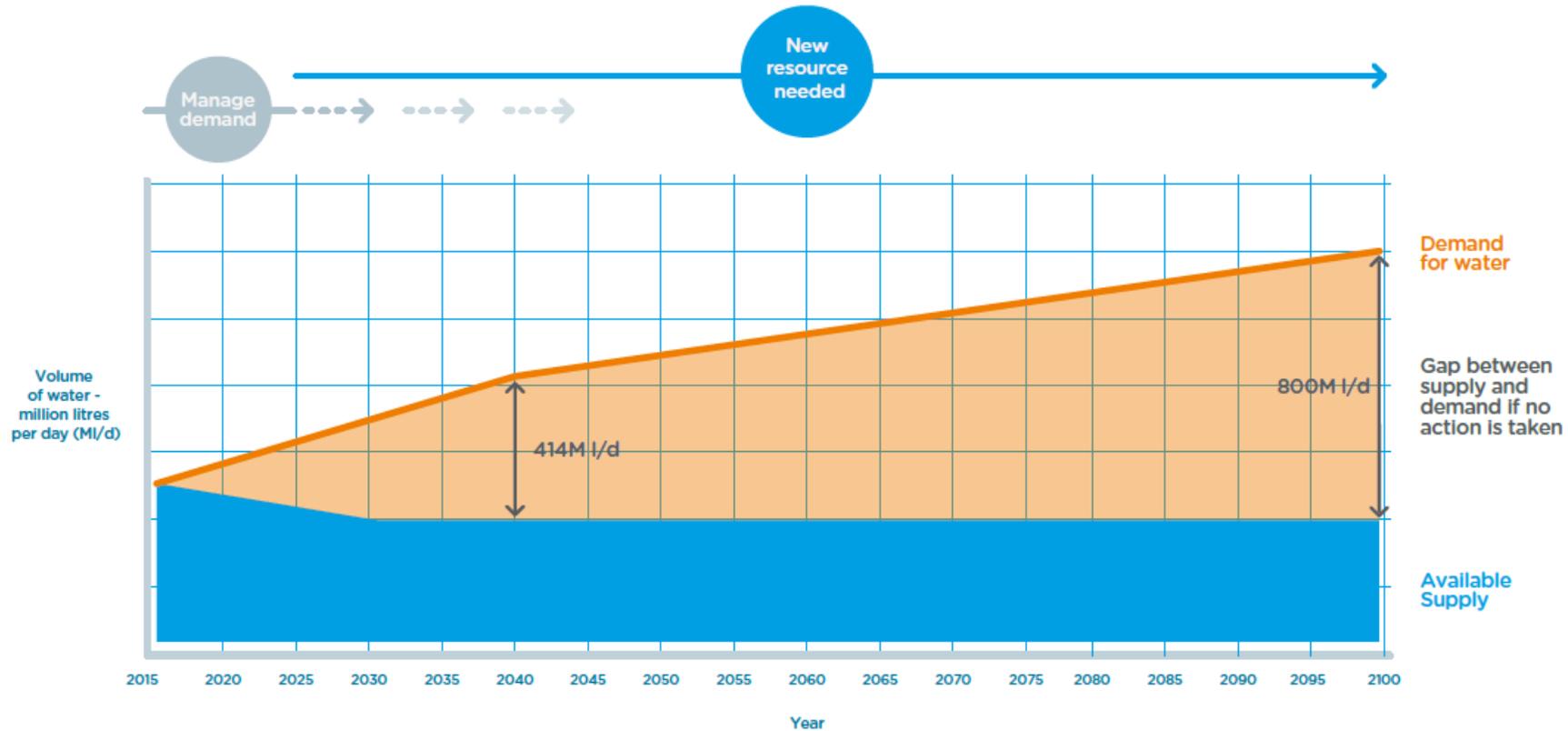
OFC 906P

Climate Change Adaptation SC

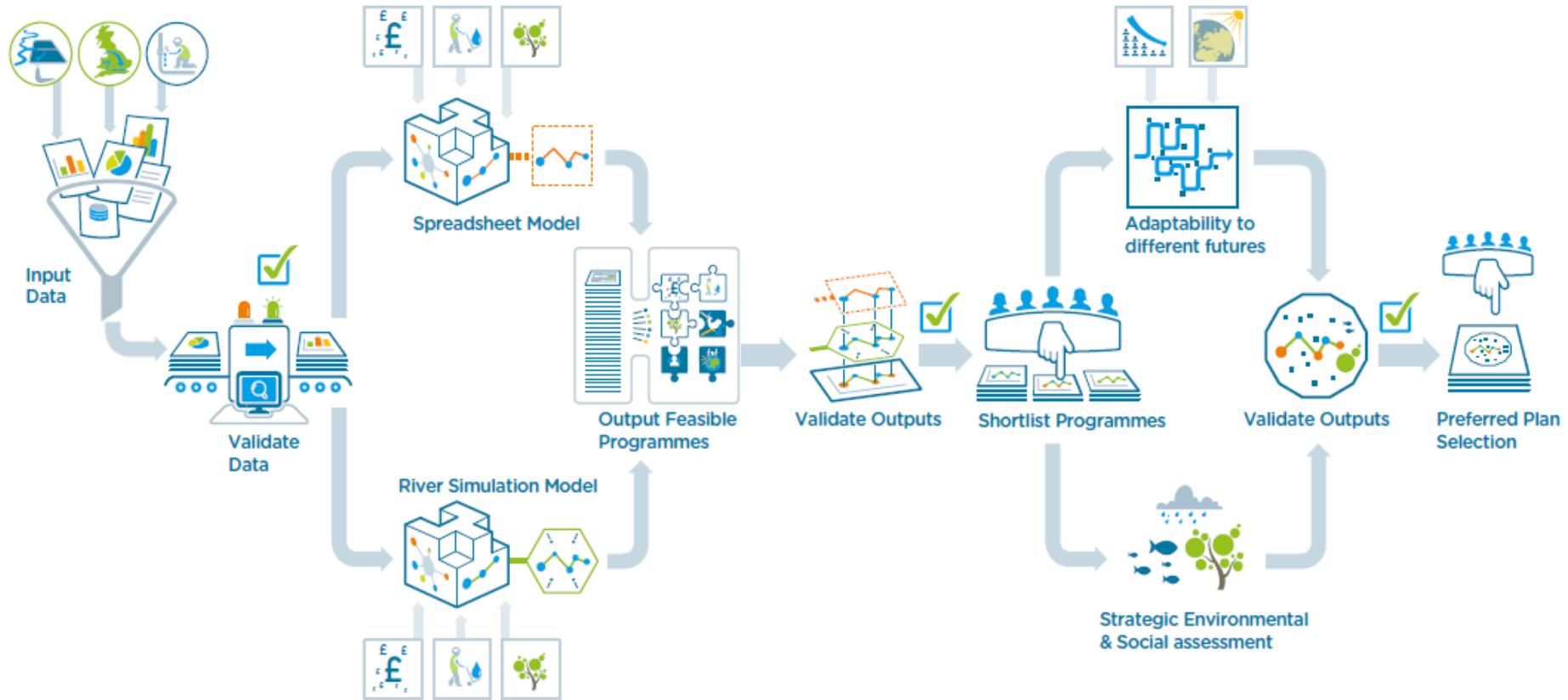
Figure B4.2: Water resourcing investment decision tree for London, 2020s to 2080s



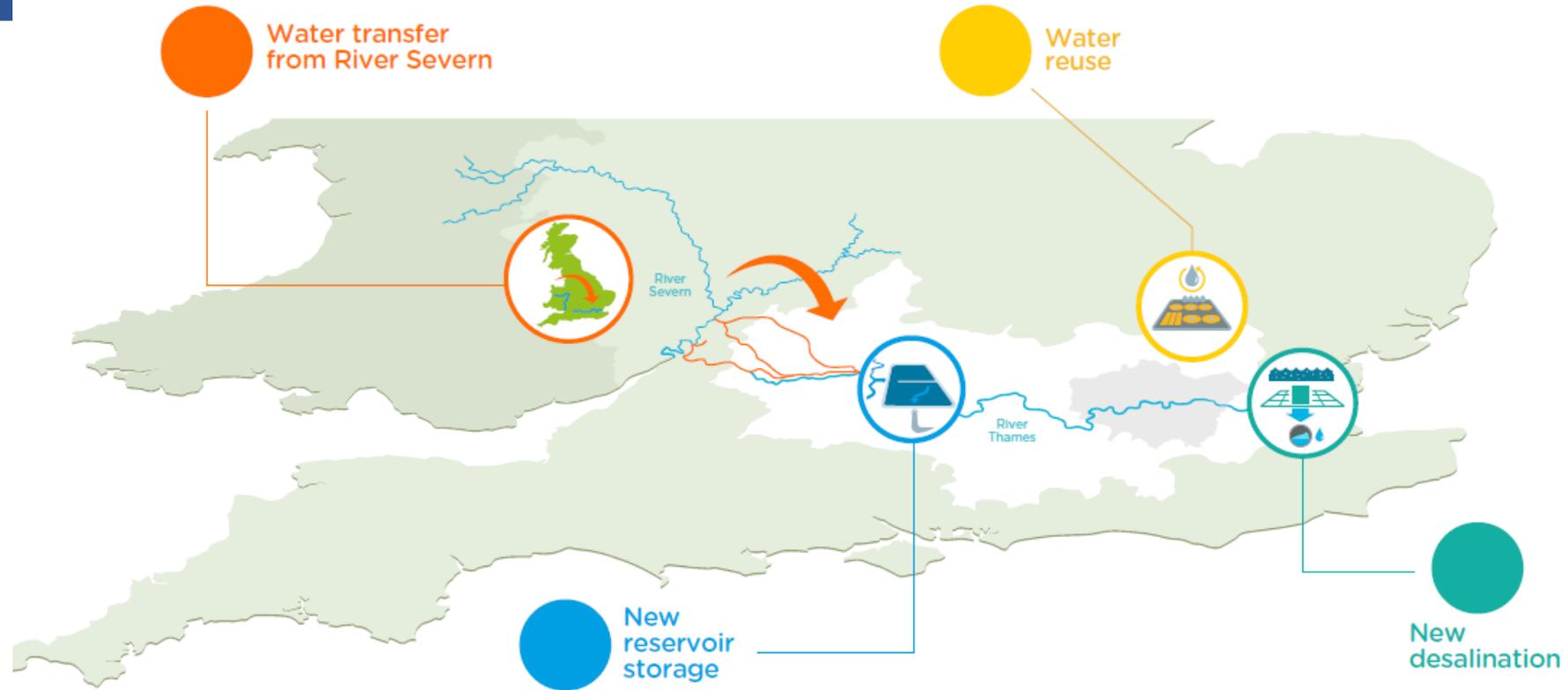
Supply vs demand - London



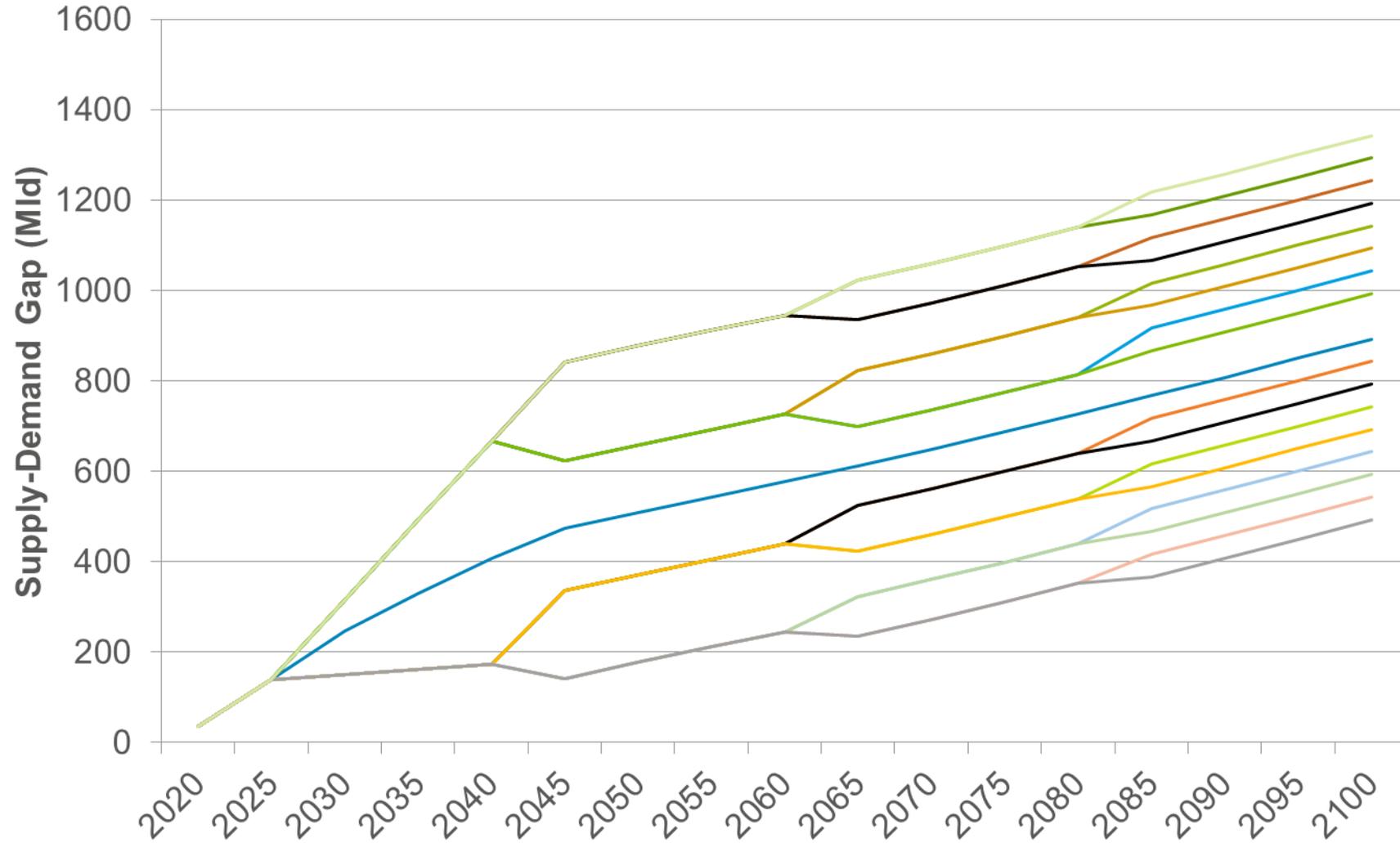
Programme Appraisal



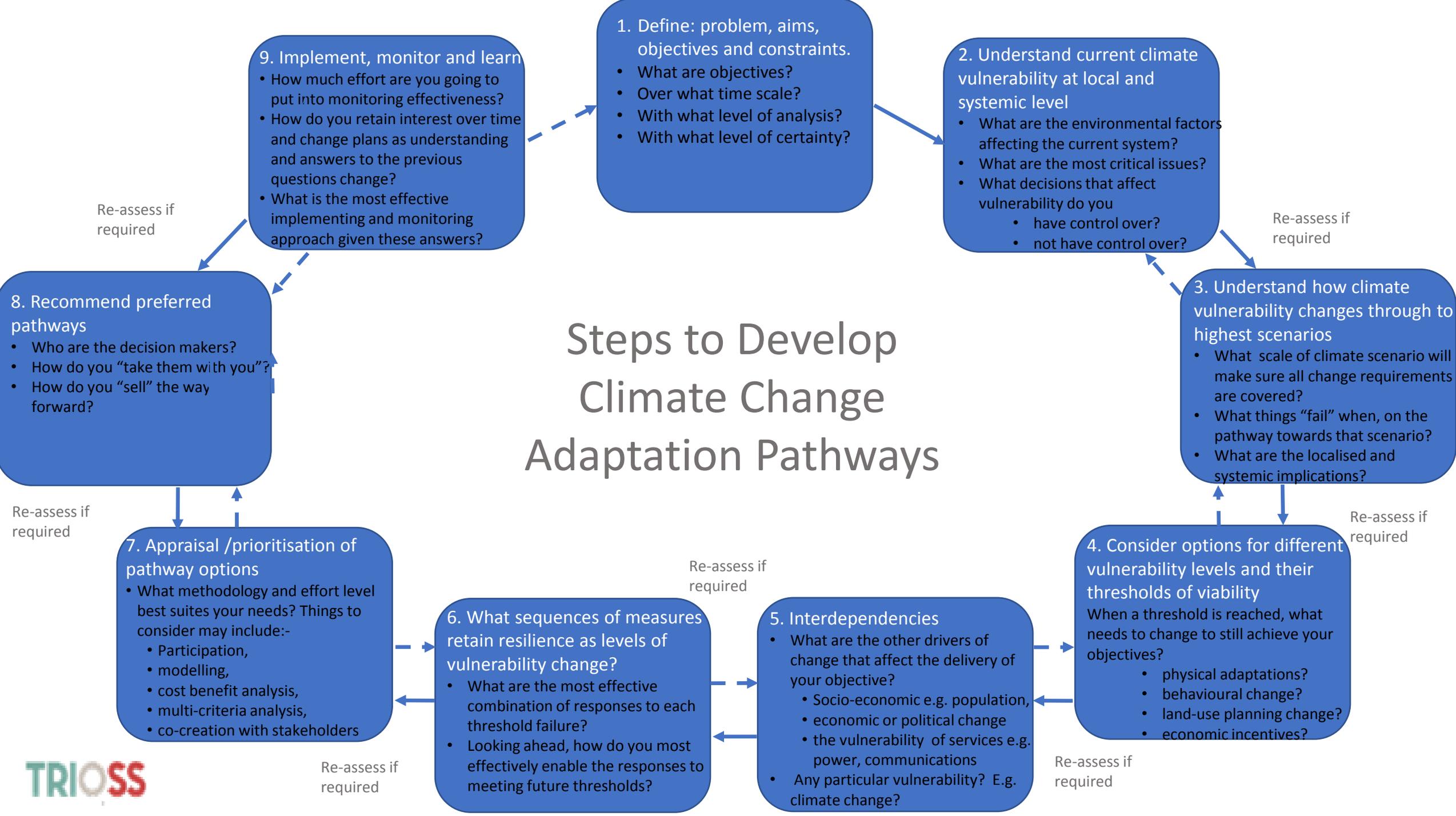
Major Resource Options



Adaptability: Selected Pathways (Sample)

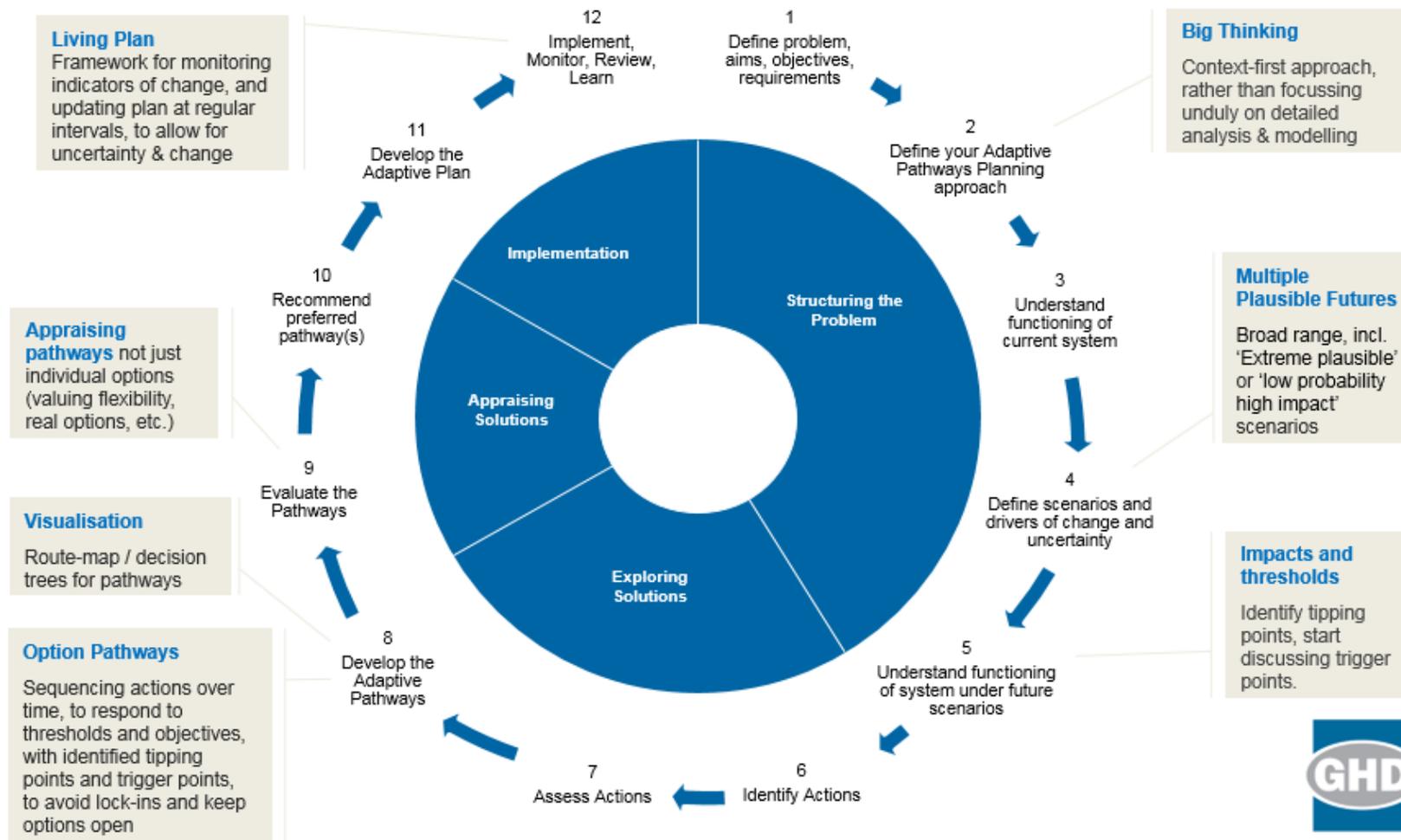


Steps to Develop Climate Change Adaptation Pathways



Adaptive Pathways Framework (GHD and Trioss Global, 2017)

For Melbourne Water



Future Developments

- ❖ **Ambition in London**
- ❖ **ECCA Conference**
- ❖ **Standard Development BSI**

Analysis Under Uncertainty for Decision Makers (AU4DM) Network

Thank You

energy futures lab
An institute of Imperial College London

love every drop
anglianwater 

CATAPULT
Energy Systems



Government
Office for Science

