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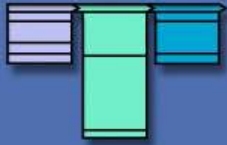
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Strategic futures planning Suggestions for success

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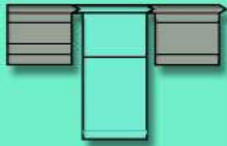
Strategic Futures Planning

Suggestions for Success

Author: Andrew Jackson, Deputy Director Foresight

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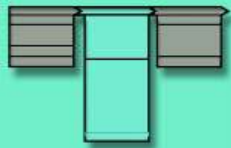
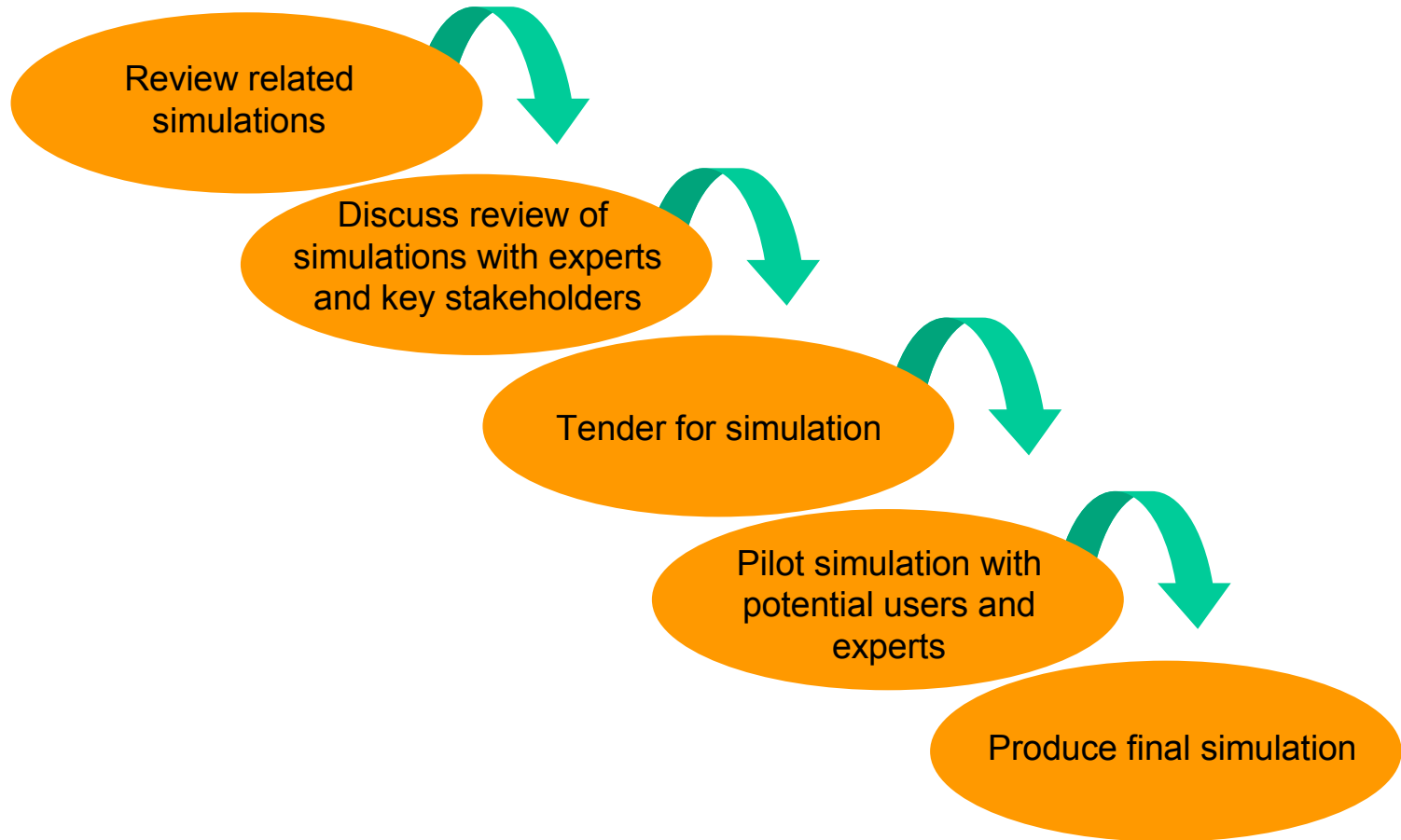
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Simulation

Simulation: the broad approach



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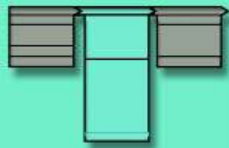
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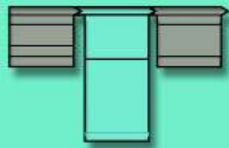
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Simulation: suggestions for success

- Simulations have greatest impact if their output is visual
- They are expensive to produce so where possible should be developed from existing simulations
- Contract the development of the simulation to experts
- Base the simulation on existing models



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Simulation: a case study – Flood Ranger

Aims

- To produce a simulation which would allow those taking decisions on investments in flood defence, such as local authorities, to consider the implications of their decisions on future flood risk
- To provide a simple tool to allow decision makers and members of the public to see the challenges of the investment decisions
- To trial a simulation approach which might be used more directly as specific investment decisions were considered

Approach

Step 1 – Identified existing flood simulator

Step 2 – Agreed aims for development of a flood simulator which allowed exploration of the effect of decisions in different scenarios of climate change

Step 3 – Simulator developed and tested with target users

Step 4 – Simulator modified to reflect feedback and launched

Outputs

A simulator which allows users to take investment decisions over a 100-year-period against differing flood risk scenarios

