## The Adaptation Challenge



## What is the challenge?

- See how well your group has adapted Scott's house to climate change
- How well you've adapted will be measured by how many tokens your group has at the end of the game

The winning group will have the most tokens at the end!

For each time period (2040; 2060) we are going change:

- Your personal circumstances
- Government support
- Natural events

We'll throw the dice and dependent on the outcome, your group will LOSE or GAIN tokens

#### Tokens at start

12 per group

2040

#### DID YOU ADAPT SCOTT'S HOUSE?

#### If you did, adaptation cost = 3 tokens

#### Over the next decades .....



## Scott's personal circumstances change ....



# Scott's personal circumstances change ....

- 1 His insurer goes bankrupt LOSE 2 TOKENS
- 2 He has difficulty getting house insurance -LOSE 1 TOKENS
- 3 He falls behind on mortgage payments LOSE 1 TOKEN
- 4 His partner inherits a fortune GAIN 3 TOKENS
- 5 He develops a water-based tourist business GAIN 2 TOKENS
- 6 He wins the lottery GAIN 4 TOKENS

#### Government support changes ...



#### Government support changes ...

- 1 Large rise in council tax LOSE 2 TOKENS
- 2 Small increase in council tax LOSE 1 TOKEN
- 3 Rise in fuel tax LOSE 1 TOKEN
- 4 Small government grant for house adaptation – GAIN 1 TOKEN
- 5 Large government grant for house adaptation GAIN 2 TOKEN
- 6 Government provides river defences GAIN 3 TOKENS

### Natural events occur

Normal high tide our set of the set of the Mean sea level Height of storm surge Normal high tide

### Natural events occur

- 1 Drought LOSE 1 TOKEN
- 2 Big freeze LOSE 1 TOKEN
- 3 Perfect summer days GAIN 1 TOKEN
- 4 No major event
- 5 River floods LOSE 1 TOKEN or 2 if his insurance company went bankrupt
- 6 Major storm LOSE 3 TOKENS or 4 if his insurance company went bankrupt

### Your score so far ...



## 2060

#### DID YOU ADAPT SCOTT'S HOUSE?

#### If you did adaptation cost = 4 tokens

### Over the next decade .....





## Scott's personal circumstances change ....





# Scott's personal circumstances change ...

- 1 No house insurance LOSE 2 TOKENS
- 2 Difficulty getting house insurance LOSE 1 TOKEN
- 3 His pension arrangements fail LOSE 3 TOKENS
- 4 He owns a thriving vineyard GAIN 2 TOKENS
- 5 Village community pays for flood proofing GAIN 2 TOKENS
- 6 Village clubs together for flood defences GAIN 3 TOKENS

#### Government support changes ...



#### Government support changes ...

- 1 Major rise in council tax LOSE 2 TOKENS
- 2 Small increase in council tax LOSE 1 TOKEN
- 3 Huge rise in fuel tax LOSE 2 TOKENS
- 4 Small rise in fuel tax LOSE 1 TOKEN
- 5 Government grant for house adaptation GAIN 1 TOKEN
- 6 Government provides sea defences GAIN
  3 TOKENS

### Natural events occur



### Natural events

- 1 Alien species pollute water supply LOSE 2 TOKENS
- 2 Famine following drought LOSE 3 TOKENS
- 3 Major flu epidemic LOSE 2 TOKENS
- 4 No major event
- 5 Major storm surge LOSE 2 TOKENS or 4 TOKENS if no house insurance
- 6 Tsunami strikes LOSE 10 TOKENS



### What this game has told us

Various factors will affect your ability to adapt to future climate change Some of these are 'chance' factors e.g. winning the lottery Others you or government can plan for

