The Foundation for Science and Technology Debate 22<sup>nd</sup> October, 2014

# Making our transport systems more weather resilient

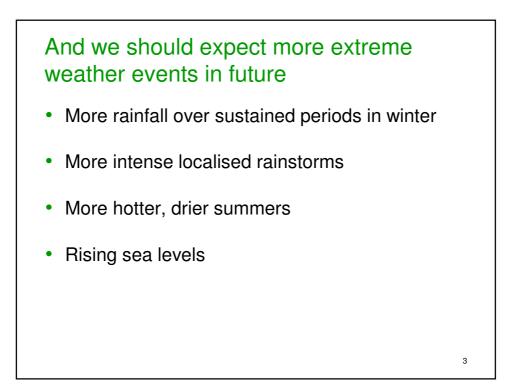
Richard Brown CBE Chairman Department for Transport Resilience Review

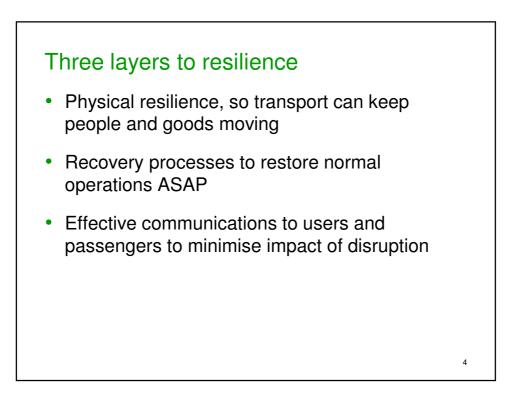


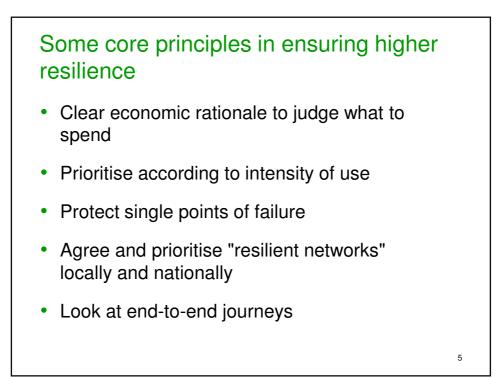
- UK transport networks amongst most intensively utilised in the world
- Just-in-time operations increasingly prevalent
- Increasing dependence of transport operations on IT systems
- Current levels of extreme weather are already disruptive

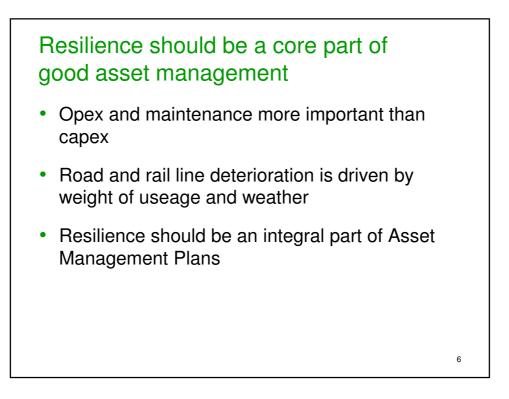


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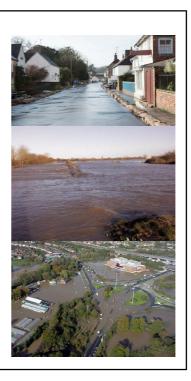


#### Strategic roads

- □ Snow and ice biggest risk
- □ Managing traffic to reduce accident/incident risk
- Ensuring swift response and clearance of incidents

### Local roads

- Biggest area of challenge
- 183,000 miles of roads, 152 Local Highway Authorities
- Drainage both of the road and surrounding land
- Highly variable asset condition, significant backlog of work



7

## Principal resilience risks continued

- Rail
  - □ 150 year old embankments
  - Trees and vegetation management
  - □ Protection of signalling systems from water/flooding





## Conclusions

- Much good practice already
- Much exceptional and commendable work in handling recovery
- Should share and learn lesson from others more widely
- Multiple organisations involved in flood prevention
- Ensure we don't take our eyes off the ball after one or more "quiet" seasons

11