Disruption in Throp

Disruption in Three Phases

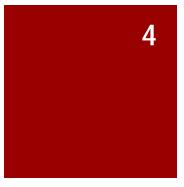
Jo Guiver Institute of Transport and Tourism University of Central Lancashire

Reminder

- Volcanic Ash
- Workington after the Floods
- Winter Weather December 2010

Volcanic Ash

- On-line survey
- 507 responses
- Questions about
 - choice of mode
 - Journey being undertaken
 - Stage disrupted
 - Who contacted, how, how helpful
 - Strategies
 - Costs: time, money, inconvenience
 - What could have been done better/was done well
 - Social demographics
- Open questions throughout

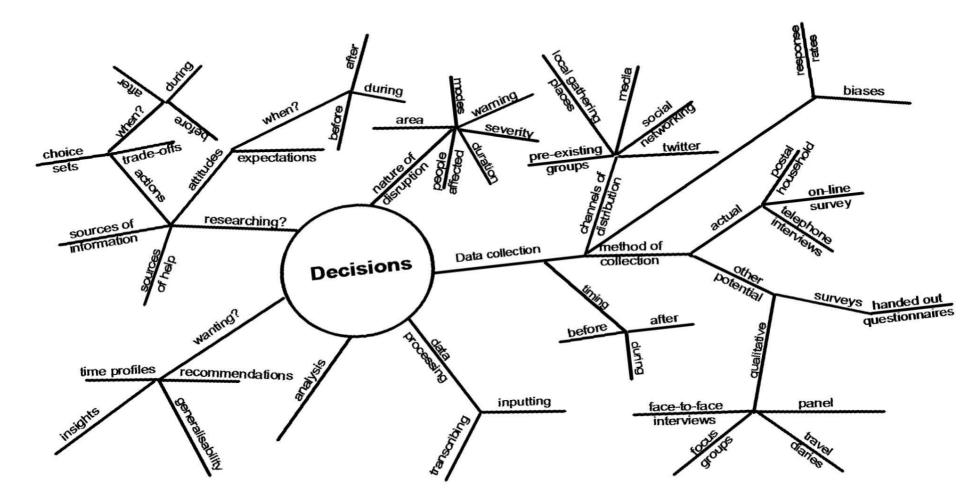


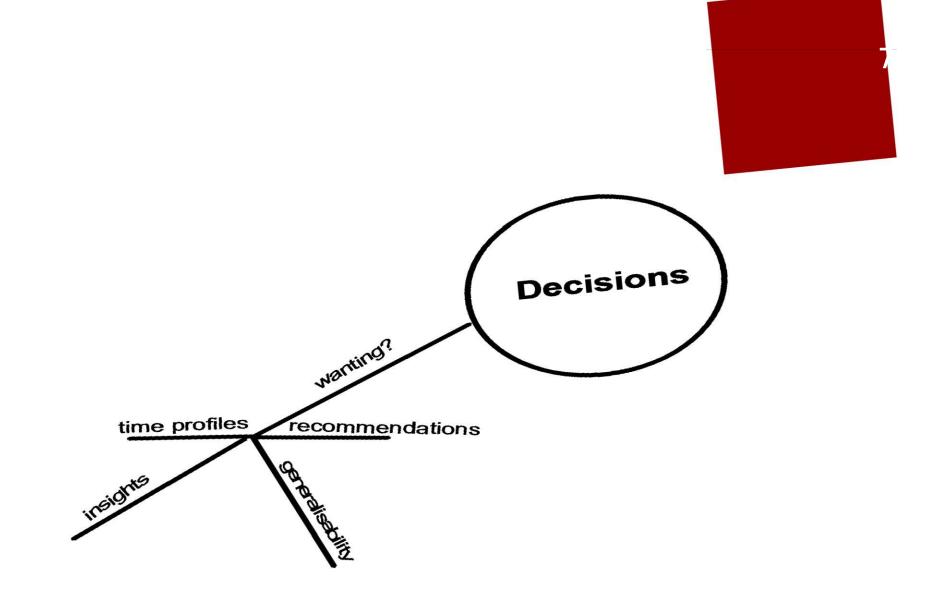
Workington after the Floods of 2009

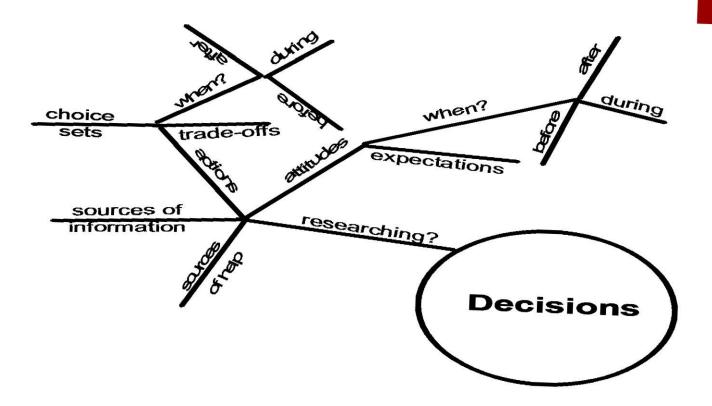
- Household postal survey
- Poor response rate
- 276 responses (6.4% to household survey) but 435 people
- Undertaken eight months after bridges lost
- And two months after temporary bridge opened
- Asked about number of weekly trips by purpose, mode, destination for three periods:
 - before floods,
 - When no bridges
 - Once temporary bridge opened
- Supplemented by interviews with residents and stakeholders

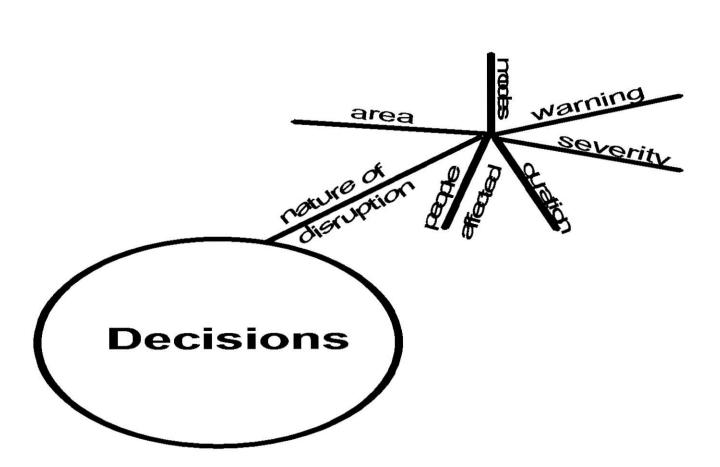
Winter weather

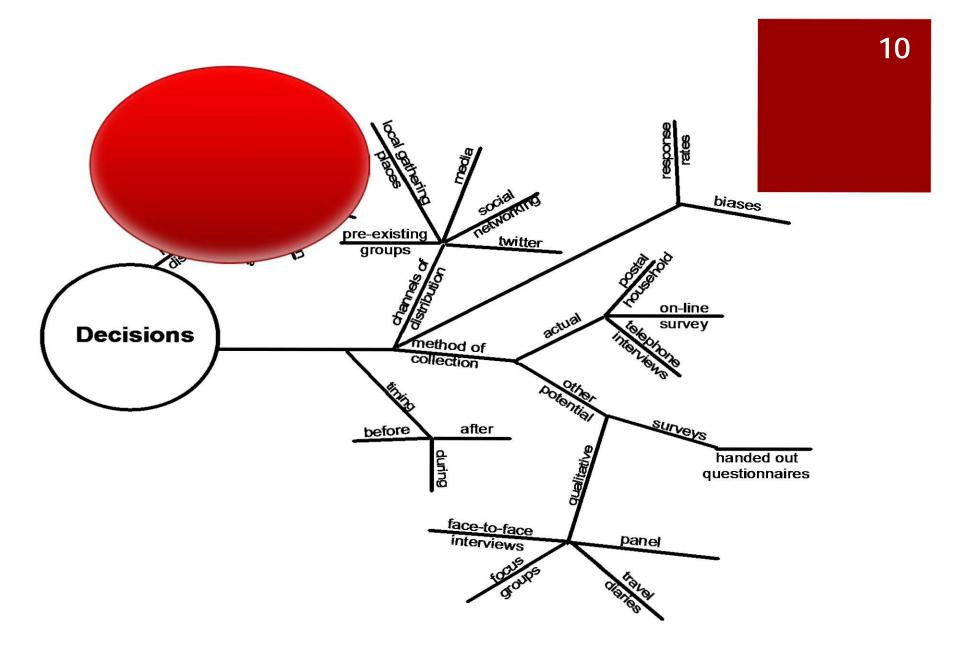
- On-line survey
- 734 responses 804 journeys
- Asked questions about specific journeys
 - Planned: Origin-destination, Mode, Length and duration, Purpose
 - Problem
 - Pre-information
 - Action: Origin-destination, Mode, Length and duration, Purpose
 - Socio-demographics











Dimensions of Disruption

Normal

- Baseline: individual or system
- Pre-disruption
 - Warnings: how delivered, received
 - By whom to whom
 - Anticipated duration, severity, coverage ...

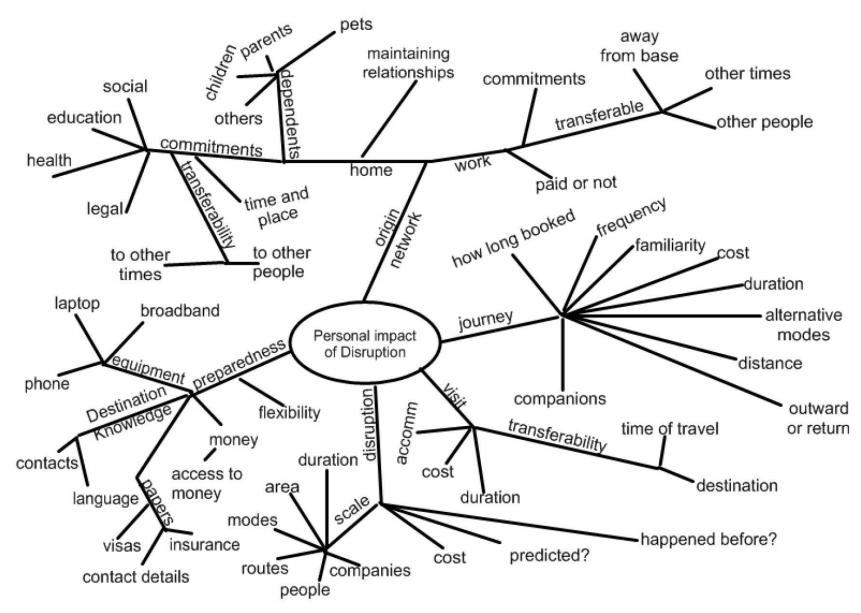
Disruption

- Area, modes, severity, duration –known?
- bottlenecks
- Other activities affected

Dimensions of Disruption

Post – Disruption

- Backlogs
- Restoration of previous provision
- 'permanent' changes?
 - Personal
 - System
- Memory



Units

People

- Households
- Journeys

Glasgow 21st March 2012

Dimensions of a journey

- Time: start time, end time, duration, frequency
- Space: origin, destination and route
- Information: known, sought
- Cost
- Purpose
- Travellers
- Mode

All of these can change

Other Considerations

- Other activities changed because of cause of disruption
- Extra time spent travelling 'taken' from other activities
- Time not spent travelling spent on other activities
- Same true of money?

Other Considerations

- Other people's travel impacts on others"
 - Household
 - Colleagues
 - 'external' consumers

Agency: Power to do otherwise

- Where choice available: trade-offs necessary
 - May vary according to personal circumstances, sensitivities, previous experiences, disposition
- May depend on others
- Where no choice available: resignation/make the most of it

In Conclusion

- Impossible to be fully comprehensive
 - People affected
 - Journeys
 - Other impacts
 - Life of the impact
- Needs choices of:
 - Units
 - Time period
 - Methods/types of results wanted



Any Questions?