

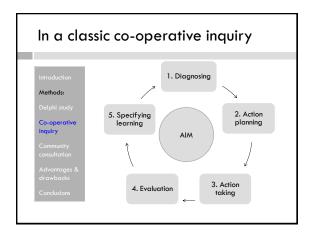
### Research methods The Delphi study $\square$ developed in the 1950s at the RAND Methods: Corporation Delphi study □ 'classic' Delphi gathers a consensus of 'expert' opinion □ prediction business, education, health and records management In a classic Delphi study... □ establish a panel of experts $\hfill \square$ send a first round questionnaire to the Methods: panel $\hfill\Box$ analyse results □ distribute results & summary of comments and arguments to all panel members $\hfill \square$ repeat until consensus is reached (at least two rounds) Linstone and Turoff (2002) www.is.njit.edu/pubs/delphibook/ 'Modified' Delphi studies □ 'rule(s)' deliberately omitted from study design but based on Delphi principles Methods: □ examples Delphi study □ e-format (traditionally paper) definition of 'expert' □ identities disclosed among the panel panel may meet divergence not just consensus

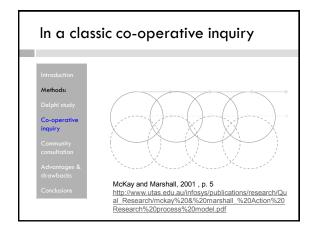
### Introduction Methods: Delphi study Co-operative inquiry Consultation Advantages & drawbacks Conclusions Introduction Methods: Delphi study Co-operative inquiry Consultation Advantages & drawbacks Conclusions AC+erm - Accelerating Positive Change in electronic records management www.northumbria.ac.uk/sd/academic/ceis/re/isrc

/themes/rmarea/

### 

## In a classic co-operative inquiry a group of co-researchers with a common concern/interest come together the group co-operate to mutually develop the research through action research cycles Inquiry Community Consultation Advantages & drawbacks Conclusions a group of co-researchers with a common concern/interest come together the group co-operate to mutually develop the research through action research cycles Diagnosing Action planning Action taking Evaluating action Specifying learning





## In a classic co-operative inquiry Introduction Methods: Delphi study Co-operative Inquiry Community consultation Advantages & drawbacks Conclusions Introduction a standard project moves through approximately 6 action research cycles the timescales for each cycle tend to be short the chain of cycles cannot be predefined

### Practical case examples Introduction Methods: Delphi study Co-operative inquiry Community consultation Advantages & drawbocks Conclusions Conclusions Conclusions Prown M, Demb S and Lomas E (2009)

### Practical case examples Introduction Methods: Delphi study Co-operative inquiry Community consultation Advantages & drawbacks Conclusions Introduction Research in Professional Practice http://www.bath.ac.uk/carpp/index.htm Changing interprofessional practice in child welfare provision Tool for professional development Carbon emissions http://www.lowcarbonworks.org.uk/

## | Introduction | Methods: | Oliginal programme | Ol

### 

### Practical case examples Uptake and usage of SharePoint by UK HEIs Delphi study Co-operative inquiry Community consultation Advantages & drawbacks Conclusions Advantages & Conclusions

### Introduction Methods: Delphi study Co-operative inquiry Community consultation Advantages & drawbacks Conclusions Delphi study Consultation Advantages & drawbacks Conclusions Dickert N & Sugarman J. (2005). Ethical Goals of Community Consultation in Research. American Journal of Public Health, V95(7), pp. 13-18

# Form varies | Introduction | Methods: | Structured questions to answer; letters (individual & group) | SharePoint in HE study | Online questionnaire (emailed back) anonymised | Users' trust in Web resources | Online modified Delphi; round table | Paediatric resuscitation | Focus groups, written responses, e-mails, telephone conversations

### Choosing a method

Methods:
Delphi study
Co-operative
inquiry
Community
consultation
Advantages &

- What are the advantages & drawbacks of different research methods
  - □ Delphi study
  - □ co-operative inquiry
  - community consultation

for a specific research scenario?

### Research scenario

Cloud Computing: The New Horizon?

- □ Research Questions
  - 1. What are the benefits of utilising the Cloud?
  - 2. What are the risks associated with using the Cloud in the short, medium and longer terms?
  - 3. What are the differences between individual suppliers' performance and service?
  - 4. Are there ethical questions about the management and ownership of 'Cloud' environments?

rof Julie McLeod & Elizabeth Lomas, Information Management Innovation Research Group
chool of Computing, Engineering & Information Sciences, Northumbria University, 2011

### **Group Activity**

- 1. As a group chose ONE of the research questions related to cloud computing services. Choose a context for the research (eg individuals, SMEs, international organisations)
- 2. How you would develop your research method to answer this chosen research question in that context?
- 3. What are the advantages and drawbacks of your method in relationship to the research question? Please record these on your flipchart
- 4. Nominate a member of the Group to briefly present your discussion

### Cloud research examples

- □ ARA. Cloud computing toolkit: guidance on outsourcing  $\underline{www.archives.org.uk/images/documents/Cloud\_Computing\_Toolk}$ it-2.pdf
- ☐ ENISA. SME perspectives on cloud computing www.enisa.europa.eu/act/rm/files/deliverables/cloudcomputing-sme-survey/?searchterm=cloud%20computing
- □ JISC. Using cloud computing for research www.jisc.ac.uk/whatwedo/programmes/researchinfrastructure/us ingcloudcomp.aspx

### Advantages & drawbacks - our experience

- □ Assessing the impact of ISO 15489 www.northumbria.ac.uk/sd/academic/ceis/re/isrc/themes/rmarea/
- □ AC<sup>+</sup>erm Accelerating Positive Change in electronic records management www.northumbria.ac.uk/acerm
- □ Continued Communication: maximising CMC for organisational benefit taking into account the impact of the individual www.northumbria.ac.uk/sd/academic/ceis/re/isrc/phd/e\_lomas/
- □ Uptake of SharePoint in HEIs

www.northumbria.ac.uk/sharepoint\_study

Prof Julie McLeod & Elizabeth Lomas, Information Management Innovation Research Group
School of Computing, Engineering & Information Sciences, Northumbria University, 2011

### Final thoughts...

Methods:
Delphi study
Co-operative
inquiry
Community

- □ IM/LIS research opportunities are wide ranging
- □ IM/LIS discipline has no unique research methods other than bibliometrics
  - adopt & adapt methods from other disciplines
  - develop our own?
- $\hfill \square$  share, develop and consolidate

### Research in action...

Introduction

Methods:

Delphi study

Co-operative inquiry

Community consultation

- □ Your chance to vote!
  - which of the research method(s) explored here do you think you are most likely to use in your own research in the future?

