**Guide to data deposited from the project “Threats to infrastructures: consolidation, collaboration and future orientation “**

Project brief  
This comparative project (UK, Japan, Germany, US & New Zealand) examined how governments prepare citizens for collapse in the Critical National Infrastructure (CNI); how they model collapse and population response; case studies of CNI collapse (with particular reference to health and education) and the globalisation of CNI policy. It was funded by the Economic and Social Research Council under grant reference ES/K000233/1. It considered:-

1. How is the critical infrastructure defined and operationalised in different national contexts? How is population response defined, modelled and refined in the light of crisis?
2. What are the most important comparative differences between countries with regard to differences in mass population response to critical infrastructure collapse?
3. To what degree are factors such as differences in national levels of trust, degrees of educational or income inequality, social capital or welfare system differences particularly in the education and health systems significant in understanding differential population response to critical infrastructure collapse?
4. How can a comparative understanding of mass population response to critical infrastructure collapse help us to prepare for future crisis?

Research design and methodology

Methodologically the study was focused on national systems in developed countries. The focus was on different 'welfare regimes' being broadly liberal market economies (the UK, US and New Zealand) and broadly centralised market economies (Germany and Japan). The data arising from the project was of various types including interviews, focus groups, archival data and documentary evidence.

Data in this deposit:-

Data in this deposit is of mixed formats and covers word documents, pdf documents, photographs and scanned documents. The data has been redacted for reasons of confidentiality.

The data is divided into two folders:-

1. CASES. This data arises from the documentary analysis of ten case studies (two from each of the five countries named above). The data in this folder comprises ten word files each of which gives an account of the summary made on each case study.
2. COUNTRY. This data arises from the qualitative and historical analysis of each country. It is sub-divided by each country into separate folders. The data is of a mixed type but labelled either as interview, focus group or archival notes file.

Articles arising from this data

Preston, J. (2014) From Aberfan to the Canvey Factor: Schools, Children and Industrial Disasters, British Journal of Sociology of Education,

Preston, J. (2014) The strange death of UK Civil Defence Education in the 1980s, *Journal of History of Education*, 44,2, 225-242.

Preston, J., Chadderton, C. & Kitagawa, K. (2014): The ‘state of exception’ and disaster education: a multilevel conceptual framework with implications for social justice. *Globalisation, Societies and Education.*

Preston,J. (2015a) A Golden Age of Security and Education? Adult Education for Civil Defence 1950-1970, *British Journal of Educational Studies*, 63,3, 387-411

Preston,J. (2015b) Two nations underground: building schools to survive nuclear war and desegregation in the 1960s , *Race Ethnicity and Education*

Preston,J., Chadderton,C., Kitigawa,K. and Edmonds,C. (2015, forthcoming) Community learning in disasters: an ecological learning framework, *International Journal of Lifelong Education*.

Chadderton, C. (2014) The militarisation of education: Troops to Teachers and the implications for Initial Teacher Education and race equality. *Race, Ethnicity and Education*14:3, pp.407-428

Chadderton, C. (2015) Civil defence pedagogies and narratives of democracy: disaster education in Germany, *International Journal of Lifelong Education,* 34 (5), pp. 589-606

Kitagawa, K. (2015a) ‘Living with an active volcano: informal and community learning for preparedness in south of Japan’, in Fearnley, C. J. *et al* eds., *Observing the Volcano World: Volcano Crisis Communication, IAVCEI Advances in Volcanology Series,* Berlin/Heidelberg: Springer

Kitagawa, K. (2015b) ‘Continuity and change in disaster education in Japan’, *History of Education,* 44(3), 371-390

Contacts concerning this deposit

Please contact the principal investigator Professor John Preston j.j.preston@uel.ac.uk

**CONTENTS OF FILES**

FOLDER: CASES

Case study (name) Each of these files contains the raw data which was extracted from documentary evidence on a case study of an infrastructure failure.

FOLDER: COUNTRY

This folder contains various types of qualitative data obtained from each of the country case studies. The data could be archival, interview or focus group.

SUBFOLDER: GERMANY

Archive notes Germany: contains notes made from various German archives

Focus grp discussion with academics: contains notes from focus groups

Focus grp discussion with government officials: contains notes from focus groups

Interview notes civil defence leader: interview notes

Interview transcript historian: interview notes

Interview with legal representative in civil defence: interview notes

SUBFOLDER: JAPAN

Archival Data 2013: contains notes made from Japanese archives

Expert Interviews Feb-March 2013: contains expert interview notes

Experts Interviews March 2013: contains expert interview notes

Focus groups 2013: focus group notes

SUBFOLDER: NEW ZEALAND

Focus grp academics 1: focus group notes

Focus grp academics 2: focus group notes

Focus grp academics 3: focus group notes

Focus grp government ministry: focus group notes

Interview academic 1: Interview notes

Interview academic 2: Interview notes

Interview academic 3: Interview notes

Interview government rep 1: Interview notes

Interview government rep 2: Interview notes

Interview government rep 3: Interview notes

Interview local government rep: Interview notes

Interview private sector rep: Interview notes

Interview third sector rep: Interview notes

SUBFOLDER UK

ABERFAN: Notes from National Archive of Wales on the Aberfan disaster, 1966

CIVIL DEFENCE: Notes from the National Archives, Kew on UK Civil Defence 1980 – 1985

FLIXBOROUGH: Notes from the National Archives, Kew on the Flixborough disaster, 1973

HANSARD: Archival data obtained from Hansard on UK civil defence and preparedness

SUBFOLDER US

Focus group academics: focus group data

Interviews academics: interview data

USCD: Notes from the National Archives US in Maryland (Archives II) on US civil defence 1950 - 1980

**ANNEX A: INFORMATION SHEET AND RESEARCH INSTRUMENT**

**University of East London**

Cass School of Education and Communities, University of East London, Water Lane, Stratford, London, E15 4LZ

**University Research Ethics Committee**

If you have any queries regarding the conduct of the programme in which you are being asked to participate, please contact:

**Merlin Harries, Quality Assurance and Enhancement (QAE)**

**External and Strategic Development Service (ESDS)**

**University of East London, Docklands Campus, London E16 2RD**

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**The Principal Investigator(s)**

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**Contact address:***Cass School of Education and Communities, University of East London, Water Lane, Stratford, London, E15 4LZ*

**Consent to Participate in a Research Study**

The purpose of this letter is to provide you with the information that you need to consider in deciding whether to participate in this study.

**Project Title**

**Threats to infrastructures: consolidation, collaboration and future orientation**

**Project Description**

The aim of this project is to ask policy makers working in CNI / CIVIL PROTECTION (Critical National Infrastructure) about key changes in continuities and changes in policy in their country. This will help us to conduct a comparative analysis (across countries) concerning what drives changes in CNI / CIVIL PROTECTION policy over time. Your contribution will help us to find out how and why such changes occur. We will ask you some questions about your career in CNI / CIVIL PROTECTION protection and what you see as the key changes / continuities involved.

**Confidentiality of the Data**

The data will be anonymised and stored securely after collection. When the programme has been completed the anonymised data will be stored in the UK National Data Archive.

**Location**

The interviews for this project will take place in government offices in England, Japan, the US, Germany and New Zeland.

**Disclaimer**

You are not obliged to take part in this study, and are free to withdraw at any time. Should you choose to withdraw from the programme you may do so without disadvantage to yourself and without any obligation to give a reason.

**ANNEX B: CONSENT LETTER**

**Threats to infrastructures: consolidation, collaboration and future orientation**

**UNIVERSITY OF EAST LONDON**

**Consent to Participate in a research programme Involving the Use of Human Participants**

I have the read the information leaflet relating to the above programme of research in which I have been asked to participate and have been given a copy to keep. The nature and purposes of the research have been explained to me, and I have had the opportunity to discuss the details and ask questions about this information. I understand what it being proposed and the procedures in which I will be involved have been explained to me.

I understand that my involvement in this study, and particular data from this research, will remain strictly confidential. Only the researchers involved in the study will have access to the data. It has been explained to me what will happen once the experimental programme has been completed.

I hereby freely and fully consent to participate in the study which has been fully explained to me. Having given this consent I understand that I have the right to withdraw from the programme at any time without disadvantage to myself and without being obliged to give any reason.

Participant’s Name (BLOCK CAPITALS) …………………………………………………………………….

Participant’s Signature ………………………………………………………………………………………..

Investigator’s Name (BLOCK CAPITALS) …………………………………………………………………..

Investigator’s Signature ………………………………………………………………………………………

Date: ………………………….

**ANNEX C: Sample thematic interview and focus group schedule**

***This is a thematic interview with guidance for the points that should be covered***

**(Make sure that information letter has been read and that consent form has been signed before commencing)**

**Introduction – personal career history**

**How first started working in CNI / CIVIL PROTECTION**

**Career in CNI / CIVIL PROTECTION**

**Current career / changes in career**

**Changes over time**

**History of CNI / CIVIL PROTECTION during career**

**Important changes (Probe – why changes occurred, key drivers, social, legal, economic political and technological drivers, organizational drivers)**

**Effect of changes over time**

**Continuities**

**Important continuities (Probe – why continuities maintained, key drivers, social, legal, economic, political and technological drivers, organizational drivers)**

**Impact of continuities over time**

**Recap**

**Run through key points, ask for clarifications**

**Thank participant for interview**