

Mainstreaming disaster resilience in the construction process

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A major report entitled: "Mainstreaming disaster resilience in the construction process: Professional education for a disaster resilient built environment", has been published. This report is edited by Professor Dilanthi Amaratunga, Professor Richard Haigh, Dr Chamindi Malalgoda and Dr Kaushal Keraminyage at the Global Disaster Resilience Centre, University of Huddersfield, United Kingdom.

CADRE report (</media/universityofhuddersfield/content2013/schools/artdesignandarchitecture/images/research/gdrc/2016-17/news/CADREreportfinal.pdf>) (3.1MB)

There are wide-ranging origins and causes to the many disasters that have affected communities across Europe and globally with ever-greater frequency. If construction researchers and practitioners are to be able to contribute to reduce risk through resilient buildings, spaces and places, it is important that capacity is developed for modern design, planning, construction and maintenance that are inclusive, inter-disciplinary, and integrative.

In order to address this challenge, the CADRE project was initiated to mainstream disaster resilience in the construction process through development of an innovative professional doctorate programme that addresses the requirements for lifelong learning and actively promotes

collaboration between European HEIs, industry and the community. This novel programme will address the career needs, and upgrade the knowledge and skills, of practising professionals working to make communities more resilient to disasters, and particularly those in, or who aspire to, senior positions within their profession.

This report has been produced with the financial assistance of the European Union. The contents are the sole responsibility of the project consortium and can under no circumstances be regarded as reflecting the position of the European Union.

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About CADRE

Collaborative Action towards Disaster Resilience Education (CADRE) was funded by the European Commission, Lifelong Learning Programme. It is led by Professor Dilanthi Amaratunga, *Global Disaster Resilience Centre, University of Huddersfield*. Its partners are Vilnius Gediminas Technical University, Lithuania; Tallinn University of Technology, Estonia; Northumbria University, UK; United Nations International Strategy for Disaster Reduction, Switzerland; University of Moratuwa, Sri Lanka; and Federation of Sri Lankan Local Government Authorities, Sri Lanka

Among many communities in the EU and beyond, disasters pose significant concerns and challenges. With growing population and infrastructures, the world's exposure to hazards is increasing. A major contributory factor to disaster risk is capacity. This capacity needs to be deployed before and after the hazard visits a community. The Sendai Framework, endorsed by 187 UN states in 2015, recognises that disaster risk reduction practices need to be multi-hazard and multisectoral, inclusive and accessible in order to be efficient and effective. It identifies:

- A need for the private sector, including the construction industry, to work more closely with other stakeholders and to create opportunities for collaboration.
- A need to promote the incorporation of disaster risk knowledge, in formal and professional education and training.

The construction industry and associated built environment professions are a vital component of this capacity. This supports the growing recognition that those responsible for the built environment have a vital role to play in developing societal resilience to disasters.



CADRE aims to address current and emerging labour market demands in the construction industry to increase societal resilience to disasters. It seeks to identify mechanisms that can mainstream disaster resilience into the construction process. This will be achieved by:



- Identifying key knowledge gaps that must be addressed by the construction industry to contribute to increased societal resilience to disasters.
- Developing and testing an innovative professional doctoral programme (DProf) that integrates professional and academic knowledge.
- Creating world-class curricula and modules to support the programme and continuous professional development.

Further details about CADRE can be read by visiting: <http://www.disaster-resilience.net/cadre/> (<http://www.disaster-resilience.net/cadre/>)



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