

## **MASTER THESIS IN COMPLEX RISK MANAGEMENT - DISASTER MANAGEMENT**

### **Background information**

In project risk management (PRM) it is generally understood that things may be complicated and a challenge to manage effectively, but that problems will eventually be resolvable. Complex Risk Management (CRM) deals with another dimension where standard operating procedures, closed frameworks and manuals cannot be counted on to deal with unforeseen events that create chaotic conditions and uncertain outcomes.

In a disaster there are different agencies working together. Each one of them can be considered as a system. All agencies are in a system of systems, i.e. the disaster itself.

### **Objectives**

- Literature Review on risk networks and their connection with system of systems
- Case study analysis of human-made and natural disasters
- Classification of disasters from a CRM operative point of view
- Possible collaboration in interviews of emergency services staff
- Possible publication of paper

### **Experience and knowledge**

#### Need to have

- Project Risk Management knowledge
- Critical and analytical skills
- Microsoft word, excel and power point
- Ability to write academic texts in English
- Ability to give a critical perspective on available literature
- Willing to spend 6 months in Adelaide, South Australia
- Autonomy of thinking

#### Nice to have

- Project (Management) experience and/or
- Social Network Analysis knowledge
- Scenario analysis knowledge and/or
- OR understanding and/or



Please note that you will need to apply for your student visa in order to be admitted to study at the ECIC.

During your stay you will be supported by a KIT alumna and 2 members of the ECIC academic staff. For more information, visit our webpage: <http://ecic.adelaide.edu.au/> or contact Prof. Frank Schultmann at the IIP in Karlsruhe.