

DOCTORAL PROGRAMME IN TERRITORY, RISK AND PUBLIC POLICIES

Risk factors and land management (8 ECTS)

Teaching Staff

José Luís Zêzere (Head Lecturer)

Ana Ramos Pereira

Eusébio Reis

Maria Catarina Ramos

Maria João Alcoforado

Objectives

- Identification of the territorial incidence of Risk Factors regarding the major natural, technological and environmental hazards in Portugal;
- Identification of the triggering and determinant factors of hazardous processes and actions with territorial consequences;
- Acquisition of methods for assessing the exposure to different kinds of hazards;
- Acquisition of methods and techniques for assessing the vulnerability and value of the exposed elements;
- Implementation of risk analysis procedures within the scope of land management.

Programmatic Contents

1. Risk factors of the major natural, technological and environmental hazards and their territorial incidence in Portugal;
2. Triggering and determinant factors of hazardous processes and actions;
3. Exposure assessment to different types of hazards;
4. Methods and techniques for assessing the vulnerability and value of the exposed elements;
5. Integration of risk analysis within land management, including cost-benefit analyses and balancing direct and indirect losses.

Main Bibliography

Alexander, D. (2000). *Confronting Catastrophe*. Terra Publishing, Harpenden, Hertfordshire.

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ISDR - United Nations International Strategy for Disaster Reduction (2003) – *Living with Risk. A global review of disaster reduction initiatives*. United Nations, Geneva.

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Wisner, B.; Blaikie, P.; Cannon, T.; Davis, I. (2004). *At Risk. Natural hazards, people's vulnerability and disasters*. Second Edition, Routledge, Taylor & Francis Group, London.

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