

From **data** to **decision-making** under conditions of uncertainty

August 26th to 28th, 2025

RISK
Summer
School
2025

Welcoming words



Risk Institute
Université Grenoble Alpes

DECODE Project

Decode stands for: DEvelop Compétences DEvoted to the management of uncertainty with creativity and drama tools



Swansea University
Prifysgol Abertawe

Welcoming words

Cécile Cornou (IRD/ISTerre, GS@UGA) & Sandrine Caroly (INP/PACTE, Risk Institute@UGA)

Yan Wu (Swansea University) & Céline Cholez (INP/PACTE, Risk Institute@UGA)

Carine Dominguez (INP/CERAG, DECODE project)

Camille Marcon (UGA), support officer of the Graduate School@UGA

Elise Charmot (UGA), communication support of the Graduate School@UGA

Fatiha Alidra (UGA), project manager of the Risk Institute

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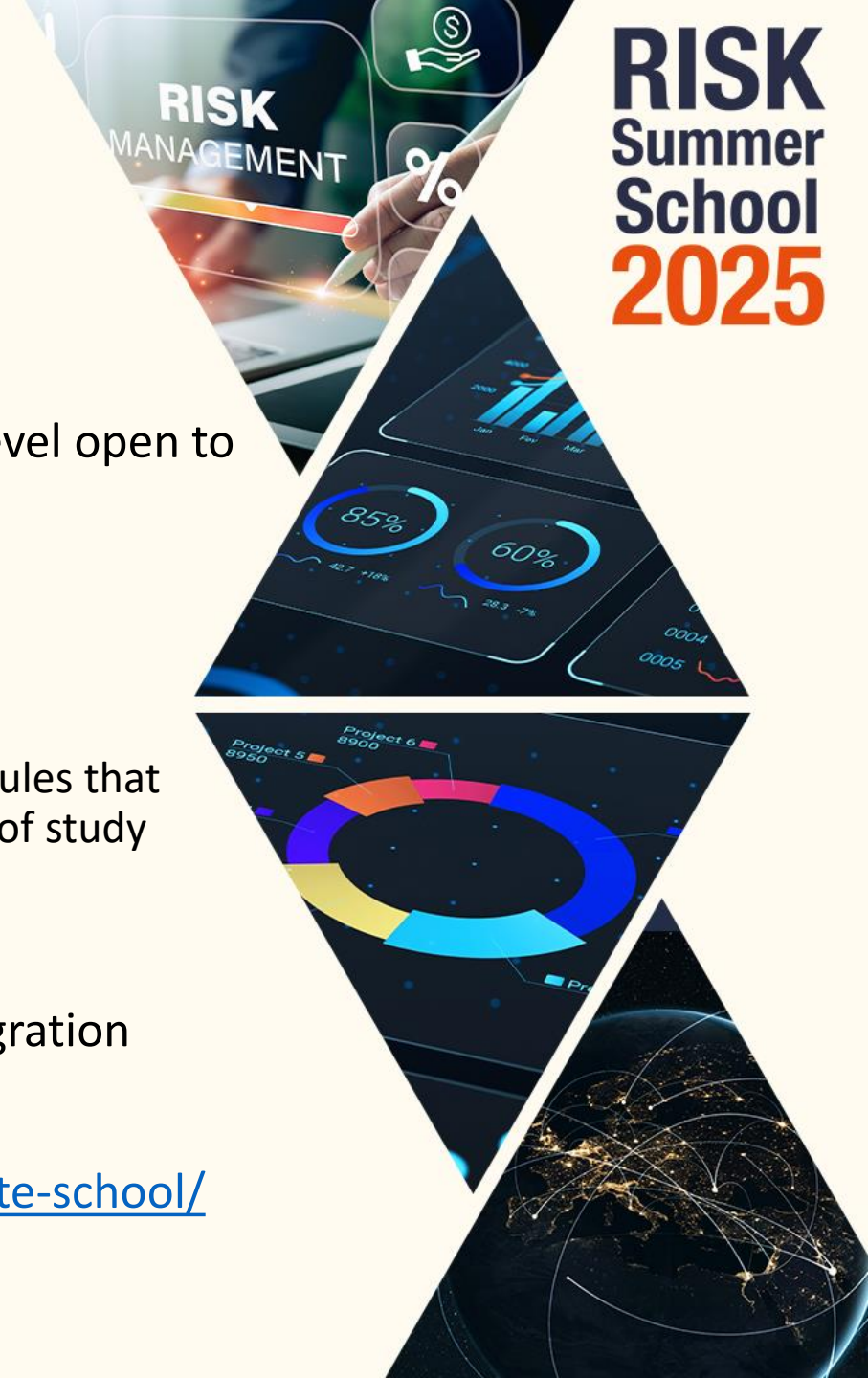


Graduate school@UGA

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- A 2-year **transdisciplinary** program at the master level open to **international** and **national** students
 - Scholarships for international students
 - Mobility grants for an internship abroad
- **16 thematic programs**
 - A thematic program is a set of interdisciplinary modules that give the students transversal skills in a specific field of study
 - Innovative teaching units and thematic events
 - 6 ECTS per year
- Doctoral research (Ph.D.) / Direct professional integration

<https://www.univ-grenoble-alpes.fr/research/graduate-school/>



RISK Thematic programme

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[A 2-minute
introduction
video](#)

[GS@UGA RISK](#)



Natural, financial and industrial risk & crisis

Risk perception, preparedness and mitigation

Students from masters in :

- Earth science
- Engineering (automatic, electronic, signal processing, ...)
- Civil engineering
- Finance
- Social and Human sciences



RISK Thematic programme

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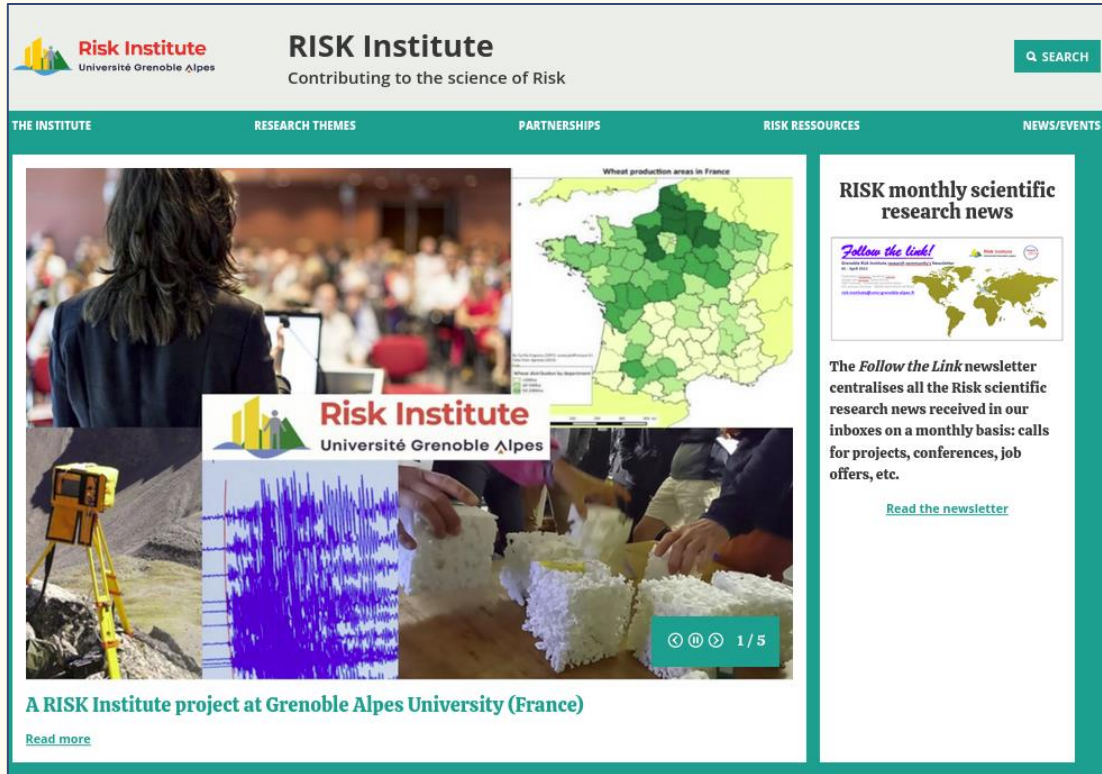
RISK Academic program:

- **1st year (6 ECTS):** Integration days and **Mentored Research Project**: a first research experience on modeling, analysis, evaluation or decision making in the field of risks.
- **2nd year (6 ECTS):** **Summer School** and a research report related to a major natural or industrial risk followed by the organization of a **scientific seminar**.



The RISK Thematic program within the Grenoble Risk Institute

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~140 researchers
~ 21 labs

5 interdisciplinary research clusters:

- ✓ Mountain risks
- ✓ Assets at risk management
- ✓ Innovations for resilience
- ✓ Telluric crisis & risks
- ✓ Anthropisation, natural hazards & habitability

RISK program : the training pillar !

Thanks to researchers from the Risk Institute for their contribution to the summer school

RISK Summer school

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industrial risks financial crisis earthquake
avalanche landslide flooding

Graduate School@UGA
Thematic program

Risk

SUMMER SCHOOL

29, 30, 31 August 2022
GreEN-ER Building - Grenoble

Programme on risk.univ-grenoble-alpes.fr

 Risk Institute
Université Grenoble Alpes

 INP Ense3
UGA

 This project is supported by the French National (ANR-20-SIR-0007) and Investments d'avenir

RISK SUMMER SCHOOL

Simulation, Resilience, & Crisis management

August 30 to September 1st, 2023
Polytech & GreEN-ER Building
Grenoble, France

Seminar open to all upon registration
Program & registration on risk.univ-grenoble-alpes.fr

 Risk Institute
Université Grenoble Alpes

 FRANCE 2030

 INP Ense3
UGA

RISK Summer School 2024

Risks emphasized by climate change and ageing of infrastructures

August 27th to 29th, 2024
GreEN-ER Building - Grenoble, France

Seminar open to all upon registration
Program & registration on risk.univ-grenoble-alpes.fr

 UGA
Université Grenoble Alpes

 INP Ense3
UGA

Graduate School@UGA
RISK Thematic program

 Risk Institute
Université Grenoble Alpes

 FRANCE 2030

RISK Summer School 2025



RISK Summer school 2025



RISK Summer School 2025

From **data** to **decision-making**
under conditions of uncertainty

August 26th to 28th, 2025
GreEN-ER Building, Grenoble - Presqu'île

Seminar open to all upon registration
program and registration on risk.univ-grenoble-alpes.fr



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Large contribution of Swansea University (Y. Wu) & the DECODE project (C. Dominguez) !

Risk summer school 2025

RISK
Summer
School
2025

Tuesday, August 26th, 2025

Welcome coffee at **08:30 AM**

09:00 AM Opening of the Risk summer school
Introduction by Cécile CORNOU (GS@UGA RISK), Sandrine CAROLY (Risk Institute@UGA) and Yan WU (Swansea University)

SESSION 1

Data for risks assessment from different perspectives

- 09:30 AM** Earth sciences data for probabilistic seismic hazard and risk assessment
Céline BEAUVAL (ISTERRE)
- 10:00 AM** Assessing infrastructures and buildings from an engineering perspective
Julien BAROTH (3SR)
- 11:00 AM** Integrating social and human data into risk assessment and management
Sandrine CAROLY (PACTE)
- 11:30 AM** Presentation of Mentored Research projects - RISK Students
Collecting behavioural and mobility data in the event of floods
Abel MARQUEZ (Ense3, master Hydraulics and Civil Engineering (HCE), Aya HARA (Polytech Grenoble, Ingénieur Gestion des Risques), Fiorella VADILLO (IUGA, master GEOIDES).
- 12:00 AM** Presentation of Mentored Research projects - RISK Students
Risk data life cycles and actors
Perrine TRICOCHÉ (UGA, master STPE), Giovanni CASTIN (IUGA, master GEOIDES)
- 12:30 AM** Lunch break

SESSION 2

Citizen data for risk assessment

- 02:00 PM** From citizen science to citizen data for risk management: an introduction
Céline CHOLEZ (PACTE)
- 02:30 PM** Data integrity and power dynamics in knowledge production, and the
Yan WU (Swansea University)
- 03:00 PM** Presentation of Mentored Research projects – RISK Students
Can firefighters provide relevant and quantitative information to seismic damage distribution?
Diego AVAIIKA TIZI (Ense3, Ingénieur Hydraulique, Ouvrages et Environnement (HOE)
Jorielle NGUINTO KAMTSOP (Polytech Grenoble, Ingénieur Géotechnique & Génie Civil)
Mariette SIMONNET (UGA, master STPE)
- 03:30 PM** Coffee break
- 04:00 PM** NRW and Citizen Science
Rebecca Mitchell (Natural Resources Wales)
- 04:30 PM** Radiation risk assessment through citizen monitoring: challenges and opportunities
Jean-Marc BERTHO (Autorité de Sécurité Nucléaire et de Radioprotection - Openradiation.org)

Risk summer school 2025

Wednesday, August 27th, 2025

Welcome coffee at **08:30 AM**

SESSION 3

Facing uncertainties

- 09:00 AM** | A full morning dedicated to explore decision-making under uncertainties with theatre and creativity methods by members of the DECODE project
- 12:30 PM** | Lunch break

SESSION 4

Barriers and challenges encountered in collection data from a diverse range of platforms

- 02:00 PM** | Teaching module: Data collection methodologies, processes, and theoretical frameworks within current digital environments
Nicholas MICHALEF (Swansea University), Rouba ISKANDAR (LIG)
- 04:00 PM** | Coffee break
- 04:30 PM** | AQUASOC: An online tool for the self-assessment of social impacts and social capacities in local flood-risk planning
Guadalupe ORTIZ (Alicante university)
- 05:30 PM** | Debriefing
- 07:00 PM** | Summer school dinner

5.00 pm Earth Watch and Citizen Science
Kaushiki Das (Earth Watch Europe)

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7.00pm Convivial diner - Le Fergus restaurant



Open-air buffet in the restaurant gardens.
Mosquito repellent recommended.
6 Quai Yermoloff, 38700 La Tronche
Tel. 04 76 42 50 08
Access: Tram B, "La Tronche-Hôpital" station +
5 min walk along the Isère river

Risk summer school 2025

Thursday, August 28th, 2025	
Welcome coffee at 09:00 AM	
SESSION 5	
Deciding under uncertainties with, despite or without data?	
09:30 AM	Multi-criteria decision-making methods in the context of imperfect information for the assessment and management of natural hazards Jean-Marc TACNET (INRAe/IGE)
10:00 AM	Emerging risks and decision-making Cyrille JACOB (Grenoble Alpes Metropole)
11:00 AM	The Graduated Anticipation Plan (GAP): Decisions without regrets, in a context of uncertainties Bertrand MARION (Grenoble Alpes Metropole)
11:30 AM	General discussion
12:00 AM	Lunch break
01:30 PM	Decision-making with data (partly digitized) in the context of ship digitalization. Challenges and issues Octavian POSTOLACHE (Ecole Nationale Supérieure Maritime)
02:00 PM	Decision-making in crisis management: the complex roles of knowledge and experience François GRUNEWALD (Universités Avignon et Aix Marseille, président honoraire du Groupe URD)
02:30 PM	Presentation of Mentored Research projects – RISK Students Comparative Analysis of Post-Disaster Damage Assessment Survey Methodologies in the Context of Natural Hazards Lucas FABBRI (UGA, master STPE), Gintare RADZIUTE (UGA, master GEOIDES), Eliott DAROW (IUGA, master GEOIDES)
03:00 PM	Coffee break
03:30 PM	Ending Round Table: How can we better integrate classical data, citizen data, uncertainties and decisions? Karel TARER (AlerteCata, Société WEB EXPANSION AGENCY), Jean-Marc BERTHO (Autorité de Sécurité Nucléaire et de Radioprotection - Openradiation.org), François GRUNEWALD (Universités Avignon et Aix Marseille, président honoraire du Groupe URD)
04:30 PM	End of the Summer school



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Advanced workshop – August 29th

Friday, August 29th 2025

Advanced workshop proposed by Swansea university and Risk Institute within the framework of a British Council project

8:30 am welcoming coffee

9:00 -12:00 am Machine learning, Artificial Intelligence for data collection, analysis and spreading

Topic: Advances in Artificial Intelligence & Machine Learning, and Applications in Computer Vision

Delivered by: Dr Simeng Qiu (Swansea University) & Prof Xianghua Xie (Swansea University) & Prof Didier Georges (GIPSA-Lab, Grenoble INP/UGA)

1:30 pm Legal framework, data security and new technologies

Delivered by: ~~Karen Morrow~~ **Sara Correia** (Swansea university) & Emilie Terrier (CRJ, UGA)

Professor Karen Morrow, is an expert in environmental law with a particular focus on public participation, gender, and ecofeminism. Her work explores how legal frameworks can support more inclusive and equitable environmental governance.

Emilie Terrier is Associate Professor in Grenoble-Alps University, expert in public data regulations, copyright and new technologies.

3:30 pm Project ad prospectives

4:00 pm End of the British Council project event

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2025

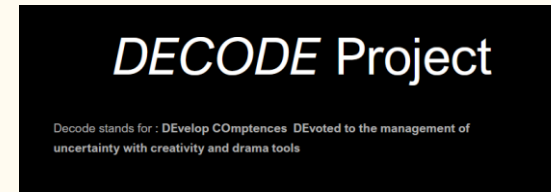
RISK
MANAGEMENT

%

85%
60%

Project 5
8900
Project 6
8900

Let's start !



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