



ISRM

TRAINING

LEVEL 5 AWARD IN **URBAN RESILIENCE AND MAJOR CITY MANAGEMENT**

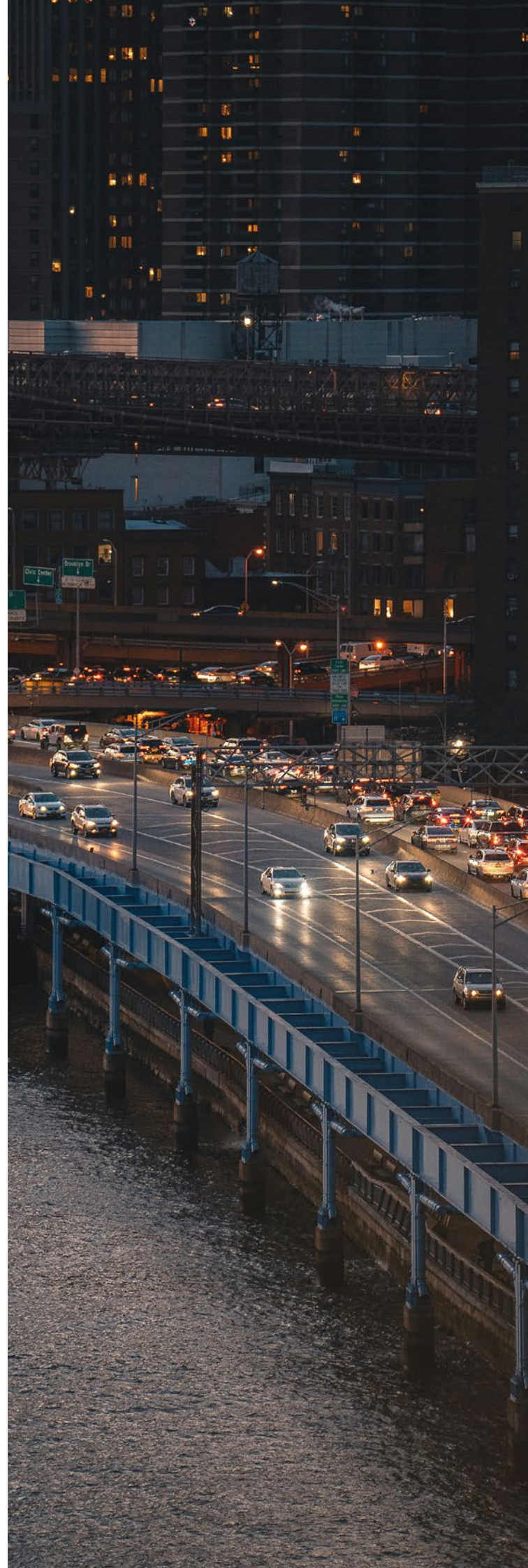
Strategic planning and management of major cities, and the associated issues concerning urban resilience, is fast becoming one of the central issues of 21st century risk and crisis management, as well as urban planning in general.

The growth of even middle-size cities has gone beyond what their infrastructures were designed to manage, and there is a growing realisation that many of the structural and organisational frameworks that have been designed to support city management are either no longer fit for purpose, or are reaching the limits of their ability to model, understand and engage with the challenges associated with modern major city management.

Modern cities face complex challenges, from climate change and environmental sustainability to rapid urbanization and infrastructural strain. These issues demand innovative approaches to planning, governance and crisis response and highlight the need for cities to adapt and transform in the face of emerging threats and opportunities.

The ISRM Level 5 Award in Urban Resilience and Major City Management offers participants the opportunity to explore these challenges, share information and gain insights into the dynamics of urban resilience within the context of major city management.

Drawing on the lessons learned from the London Resilience Gold Command Crisis Management programme and other leading global initiatives, this programme explores the practicalities of creating resilient urban environments. Through this lens, the course will also cover strategic risk management and crisis preparedness, equipping participants with the tools to develop comprehensive, multi-stakeholder strategies that address the nuanced complexities of modern urban spaces.





The Level 5 Award in Urban Resilience and Major City Management has been developed as a part of the ISRM CSWP Global Urban Resilience Project, signifying our commitment to provide practical training and insights that directly contribute to the project's overarching goal of enhancing global urban resilience.

The Global Urban Resilience Project is an 18-month research and policy development programme, run in partnership with our global partner organisations, that has been established to examine the major issues associated with global urban resilience, create a series of case studies and best practice programmes, and finally create an integrated understanding of the ways in which the cities of the world can best prepare themselves for the challenges ahead.

Through this training programme, we aim to equip professionals with the advanced skills and knowledge to navigate the complexities of urban resilience, ensuring they are well-prepared to implement effective strategies and solutions within their cities and organisations. This initiative reflects a targeted effort to build upon the foundation laid in the initial stages of the Global Urban Resilience Project and focuses on the application of theoretical frameworks in real-world scenarios to achieve tangible improvements in urban resilience worldwide.

PROGRAMME CONTENT

UNDERSTANDING THE MODERN MAJOR CITY RISK ENVIRONMENT

- **21st Century Major City Management**
- **Chaos and Complexity: Mapping the 21st Century Urban Crisis Context**
- **The Modern Urban Risk Environment: Climate, Urbanisation, Infrastructure**
- **From Hyper-Connected to Community Resilience**

The pace of urbanization and technological advancement outstrips traditional planning and management approaches. Therefore, understanding the risk environment of modern major cities has become crucial. This module lays the foundation for comprehending the multifaceted nature of urban risks. Participants will be introduced to the contemporary challenges that major cities face, including the impact of climate change, the complexities of rapid urban growth and the vulnerabilities of aging infrastructures. It aims to equip city managers and urban planners with the insights needed to navigate the evolving urban landscape. Through case studies and current trends, learners will gain a robust understanding of the risk factors that characterise today's urban environments and the proactive measures needed to mitigate them.

MAJOR CITIES AS COMPLEX SYSTEMS

- **Strategic Planning Development Process**
- **Modelling Complex Dependencies**
- **Principles and Templates for Multi-Agency Integration**
- **‘One Ring to Rule Them All’.**

Interconnected urban landscapes of the 21st century demand a cohesive, strategic multi-agency framework. This critical component of urban resilience and crisis management involves harmonising efforts across various sectors and agencies to ensure a unified response to urban challenges. This module of the programme will guide participants through the development process of strategic planning, emphasising the need for understanding and modeling complex dependencies that exist within urban systems. Participants will learn the principles and templates essential for effective multi-agency integration, equipping them with the tools to implement the Multi-Agency Incident Command Systems (MAGIC) which serves as a cornerstone for coordinating actions and sharing information among diverse stakeholders, ensuring that when a crisis hits, the response is swift, organised and impactful.

WICKED PROBLEMS, CRISIS EVENTS AND STRATEGIC MULTI-AGENCY FRAMEWORKS

- **Understanding Major City Crisis Events**
- **Climate Change**
- **Resource Stress**
- **Infrastructure Fragility**
- **Black Sky / Black Start**
- **Terrorism**
- **MAGIC – Multi-Agency Incident Command Systems**

This module explores the complexities of major city crisis events, encompassing a broad spectrum of threats from climate change and resource stress to infrastructure fragility, catastrophic 'Black Sky/Black Start' scenarios and the risk of terrorism. Through a comprehensive analysis of these diverse crisis scenarios, participants will gain insights into the dynamics of urban vulnerabilities and the critical importance of preparedness and adaptive response strategies. This section aims to equip city managers and crisis response teams with the analytical tools and conceptual frameworks necessary for modelling potential crisis events, enabling them to anticipate, mitigate and manage the impacts effectively. This module highlights the proactive approach and the need for cities to not only understand the nature of these threats but also to develop robust, resilient systems capable of withstanding and recovering from such crises.

PREPARING FOR THE CITY OF 2030

- **Smart City Modelling**
- **Transport Infrastructures**
- **From Global Supply Chains to Hyper-Localization**
- **Future Proofing**

As we rapidly approach the next decade, envisioning the city of 2030 becomes a pivotal exercise in strategic urban planning and resilience building. This module of the programme explores the concepts of Smart City Modelling, including how technological advancements and digital integration can transform urban management and living spaces. Participants will explore the evolving landscape of transport infrastructures, identifying innovative solutions to enhance mobility while minimising environmental impact. The module addresses the aspect of future-proofing – preparing urban environments to withstand and adapt to the challenges ahead, whether they be technological, environmental or societal. The programme aims to equip city managers and policy makers with the foresight and tools necessary to navigate the future of urban development, ensuring that cities are not just sustainable and resilient but also inclusive and forward-thinking.

FROM VISION TO REALITY: CAPABILITY DEVELOPMENT + COMMUNITY ENGAGEMENT

- **Community Engagement**
- **Resilience and Sustainability**
- **A Different Perspective: Learning From The Global South**
- **A New Leadership: By The People For the People**

This module focuses on the role of multi-agency training and exercises in enhancing urban resilience. Central to our approach is the understanding that effective urban management must transcend traditional methodologies to address the rapid and often chaotic expansion seen in cities experiencing hyper-urbanization.

A Different Perspective: Learning From The Global South

It is easy to make the assumption that urban resilience is limited to what we consider as modern, technology-enabled cities. The truth is that the global urban network is as much dependent on the cities of the global south as it is on those of the more advanced north. This module explores the issues associated with the development of adaptive, innovative strategies tailored to the distinct landscapes of challenges faced by cities in the Global South and the lessons they have for all city managers, whatever environment they are operating in. This perspective emphasises the inclusion of local communities at the heart of urban planning and crisis management efforts. This ensures that resilience and sustainability initiatives are comprehensive, equitable and reflective of the diverse needs of urban populations, and can be implemented in ways that are realistic, realisable and sustainable.

COURSE DELIVERY

The course is conducted over the course of 5 days with each session run in both the morning and the afternoon, to ensure that everyone, regardless of their location, can attend a session that suits them.

The course is delivered online, enabling global participation.

Participants will have the opportunity to interact with leading experts, benefiting from their extensive knowledge and real-world experience. Networking opportunities with peers from around the globe will further enrich the learning experience, allowing for the exchange of ideas, strategies and best practices.

We also offer the option of in-person training, allowing for a more personalised learning experience, ideal for teams and organisations looking to deepen their understanding of urban resilience and major city management.



ABOUT THE ISRM

THE INSTITUTE OF STRATEGIC RISK MANAGEMENT (ISRM)

The ISRM is a leading global centre for the promotion and sharing of best-practice strategic risk and crisis management thought-leadership amongst academics, practitioners and policy makers.

Across our global network, we support the development of underlying understanding and capabilities associated with strategic risk and crisis management, alongside providing on-line and in-person training, industry-leading events and strategic advice to support organisations' management of complex risk and resiliency issues.

For more information on how we could partner with you, or on any of our recent projects, please contact:

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ISRM CORPORATE