

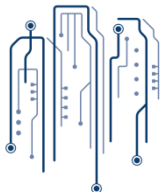
# Coordinated Management and Emergency Response Systems (CMaERS)

Aoife Delaney

09/05/2018, Mansion House, Dublin.

The Programmable City Project  
MUSSI, Maynooth University.

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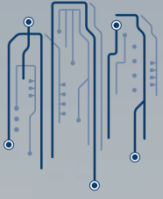
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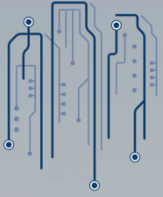
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# Summary of research

- The purpose of this research was to explore the relationship between emergency management systems/assemblages, new forms of governance (both algorithmic and anticipatory), technological innovation and data analytics in cities.
- Case Study sites: The emergency management systems of Ireland (Nationally, Dublin and Cork) and the emergency management system of the United States (Federally, Massachusetts and Boston)
- Case Study events:
  - Ireland- Winter storms and flood events of 2015/2016.
  - USA- Boston Marathon Bombing, April 2013.



# Key findings

1. Legacy issues: these refer to the evolution of emergency service agencies as historically independent from one another

Type of assemblage	Formal (protocol)	Informal (network)
Benefits	Knowledge, practice and clear routes for resources, assistance and funding	The ability to adapt and be flexible during a crisis and with lead agency responsibilities.
Disadvantages	Weaken informal networks which are essential for efficient response and inter-agency trust.	Decision-making, funding streams and crisis escalations can be more difficult to attain or initialize.

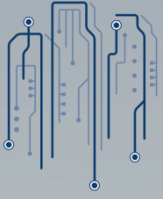
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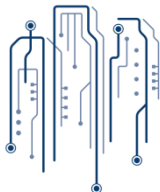
# Key lessons

1. Balance between formal and informal systems.
2. Negative public connotations that surround data collection and analysis, should be marketed in a more positive manner.
3. Ireland needs to consider legislating emergency management policy and connecting funding to it.
4. Working groups and National Steering Groups need to be streamlined so that talents and resources are adequately utilized.
5. Both systems should consider the position of each agency within the emergency management assemblage.
6. 'Smart Dublin' and Boston's 'Analyze Data' should consider how to share real-time information directly with emergency services to increase their ability to respond in a timely and efficient manner.

Aoife Delaney / [aoife.Delaney@mu.ie](mailto:aoife.Delaney@mu.ie)  
<http://www.nuim.ie/progcity/>  
<https://prematuregeographers.wordpress.com/>  
@AoifeD7  
@prematuregeog

Thank You

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