

# EPSRC funded project on INTEGRATED RISK MANAGEMENT PLANNING

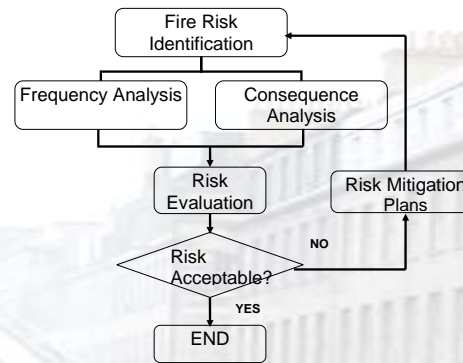
## Evaluation of Fire Prevention and Protection Activities for Commercial, Public and Heritage Buildings Selda Konukcu & Prof. Dino Bouchlaghem

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### INTRODUCTION

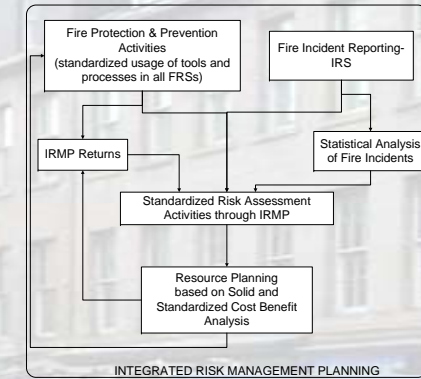
Integrated Risk Management Planning (IRMP) aim to improve community safety and make a more effective use of FRS resources by: *“reducing the incidence of fires; reducing loss of life in fires and accidents; reducing the number and severity of injuries; safeguarding the environment and protecting the national heritage; and providing communities with value for money”*. This project is addressing some limitations in current IRMP processes by investigating the value and effectiveness of prevention and protection measures and activities used in commercial, public and heritage buildings with a view to improving decision making when allocating FRS resources as part of the integrated risk management plans.

### FIRE RISK ASSESSMENT



### FUTURE WORK

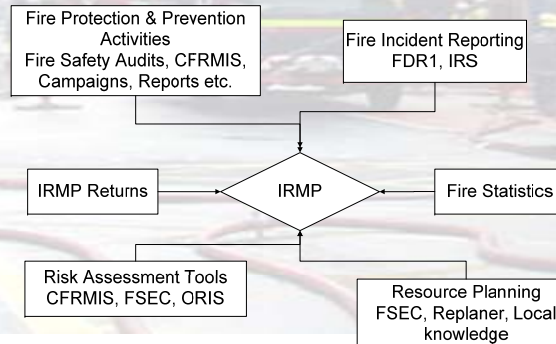
Standardized framework which will establish the link between risk assessment and risk planning on a solid cost benefit analysis



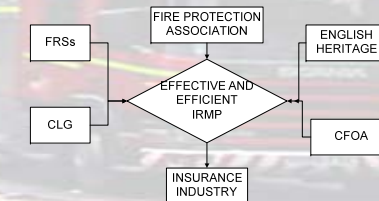
### OBJECTIVES

- Review existing fire prevention and protection measures used in the built environment.
- Identify existing evidence bases to assess the effectiveness of prevention and protection measures in the built environment.
- Investigate the effects of fire and rescue service resource allocation on safety and loss.
- Develop a methodology for decision making regarding the allocation of resources for fire safety interventions in the built environment.
- Develop a methodology for the evaluation of the cost effectiveness of prevention and protection measures used in the built environment.
- Integrate the above methodologies within the Fire Service Emergency Cover used for the development of IRMPs
- Evaluate the further developed FSEC toolkit.

### FIRE RISK ASSESSMENT TOOLS & ACTIVITIES IN THE UK



### THE DATA FOR BETTER IRMP WILL BE COLLECTED FROM:



### CONCLUSION

- First collaborative work on the IRMP activities in the UK
- Direct impact on the processes used within the IRMP by providing improved tools to support decision making on the allocation of resources
- Contribution to improving the safety of the general public by reducing the impact of fires and other emergencies through a more effective use of the FRS resources.