

Subjects working on:**Research group on fires in new generation vehicles****Objective:**

To investigate fire and explosion risks related to new technologies and materials in vehicles. The objective is to prepare a monograph including the problems identified and recommended best practices to consider in fires and explosions of new generation vehicles. This knowledge could also be used as a basis for the training of emergency responders (Firefighters, Police, and Paramedics)

Products in development:

- Develop training materials and protocols for emergency responders (Firefighters, Police, Paramedics)
- To write a monograph regarding the problems and recommend best practices to handle fires and explosions in new generation vehicles.

Research group on Land Use Planning:**Objective:**

To study the current situation in Catalonia to identify and propose consistent feasible lines of action taking into account solutions already implemented in other EU states. To gather stakeholders in the field and experts and to develop a study called "Guidelines for the integration of the risk/territory binomial in land use planning" aimed at municipalities and experts.

Products in development:

- "Guide for the integration of the risk/territory binomial in land use planning"
- Workshop/seminar/presentation of the training guide for municipalities

Research group on Interior Fires:**Objective:**

Develop a technical language to quickly describe building fires, therefore as soon as the first firefighter arrives to the site of the fire he can provide very useful information to the rest of the colleagues and this improve the quality of the response. Finally the objective will be to teach firefighters to describe the type of flames, smoke, backdraft possibility, flashover, BLEVE, analyze the structure of the building the materials...

Research group on Fires in Harbours:**Objective:**

To clarify the existing regulations on fire protection measures in ports at Catalan, Spanish and European level, develop a study of the state of the art and a guide to improve safety in ports both, in boats and in the port facilities.

RESEARCH GROUP ON FIRES AND EXPLOSIONS. GRIIE**Objective:**

To disseminate the work done by this research group reflected in the book in fires and explosions. The aims are the different bodies and organizations involved in this sector, its translation into Spanish and to check and update the contents. Moreover, the team seeks to explore new research possibilities within the same topic.

Products in development:

- Translate into Spanish the study on Fires and Explosions
- Revise and update the study on Fires and Explosions and publish the study in a digital format.