

## **Review of efficient manual fire extinguishing** methods and equipment for the fire service

This FRIC report summarizes briefly the state- In this project the cutting extinguisher and the building fires, and highlights knowledge gaps and challenges in this field.

In the late 90s and the early 2000s new equipment allowed to conduct extinguishing effort with reduced exposure of fire fighters to fire and smoke. In recent years the focus of research related to extinguishing methods and equipment has shifted to environmental aspects, such as the water consumption and effect of additives (i.e., foam) on humans and the environment.

of-the-art for manual fire extinguishing equip- extinguishing spear have been identified as the ment, used by the fire service for fighting of two most promising systems for further testing. existing These systems shown to be promising with regard to fulfilling the different objectives of the overall project. Being only water based it minimize contamination, due to lower water consumption, of the surrounding areas give these systems advantages over conventional equipment. Especially if the systems are used in combination with an IR camera to locate the fire, the extinguishing efforts can be started early and effectively.



You may find the full FRIC report here:

http://ri.diva-portal.org/smash/ get/diva2:1542854/ FULLTEXT01.pdf



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