

Abstract for the In-FIRE 2006 Conference:

**A proposal for an “in-Fire” networking activity aiming at consolidating Fire and explosion accidents databases**

Submitted by :

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INERIS has gained a significant experience in consolidating information from accidents taking place in industrial and transportation facilities, both at National and International levels.

Based on the feedback of this experience, the purpose of our talk is three-fold :

- i) recall the importance of consolidating accidents databases and major difficulties encountered in the implementation of such a work
- ii) present tools available at INERIS helping in this area as well as expertise achieved so far by INERIS experts in collaboration with INERIS information and knowledge centre (including the library facility), based on practical examples
- iii) suggest a collaborative action that would optimise resources offered by the in-Fire network and that would involve in-Fire partners to consolidate, on a world basis level two of such accidental databases, one dealing with fire occurrences in tunnels, the other involving fire related incidents with ammonium nitrate based products.

Indeed, this initiative would take advantage of the efforts provided at European level about tunnel fires by the European thematic network FIT on the one hand (see [www.etnfit.net](http://www.etnfit.net)), and by Carvel et al [1].

On the other hand, it would also greatly help in proceeding to more in-depth analysis of the role played by a fire in the risk of delayed explosion or self-sustained decomposition presented by ammonium nitrate based fertilizers. Quite important lessons have to be learnt in terms of intervention for the fire services.

[1] R. Carvel & G. Marlair, “A history of tunnel fires ”, Part I Ch. 1 in “The handbook of tunnel fire safety” (Editors :. A. Beard & R. Carvel), Tomas Telford Publisher (2005), 3-42

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