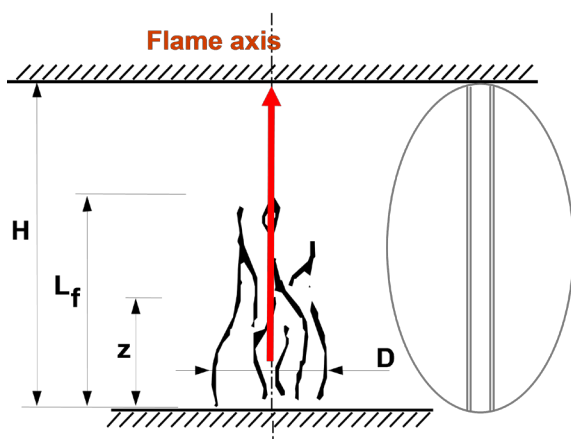
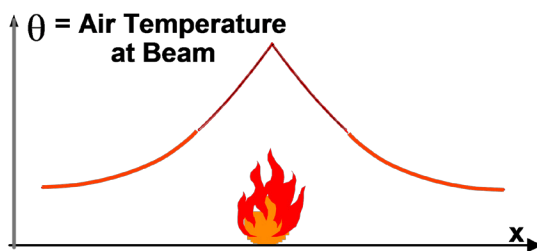
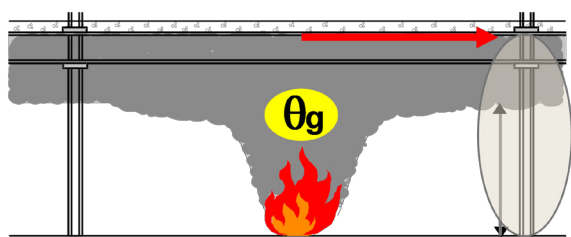


TEMPERATURE ASSESSMENT OF A VERTICAL MEMBER SUBJECTED TO LOCALISED FIRE - DISSEMINATION

Goal of the project

LOCAFI+ represents the valorisation project of the RFCS project LOCAFI the main objective of which was to provide designers with scientific evidence that will allow them designing steel columns subjected to localised fires.



Short description of the project

The project aims to disseminate the methodology for the fire design of columns under localised fire in several European countries, by means of national seminars.

Project implemented by

ArcelorMittal Luxembourg (coordinator)

Implementation period

1.07.2017-31.12.2018

Main activities

- Development of nomograms for a wide range of different localised fires
- Development of the design guide for practitioners
- Preparation of the PowerPoint presentations for the workshops
- Adaptation of OZone software
- Translation activities and preparation of document with legal context and adapted design examples
- Preparation/ organization of the seminars
- Design of the Internet website with documents available online

Results

An important number of seminars will be organised across Europe to present the simplified method developed within LocaFi project which will be implemented in the latest version of the European standard EN1991-1-2, its background (experimental tests, numerical investigations), user-friendly software and case studies.

Applicability and transferability of the results

The analytical models developed within the LocaFi project were introduced in a user friendly software and in an advanced calculation model for fire design, in order to offer a large utilization of the procedure for the construction market.

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Research Centre

The Research Center for Mechanics of Materials and Structural Safety
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Research Centre of Excellence of the Politehnica University Timișoara

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