

PROJECT

Development of a warning system for forest fire risk.

LOCATION & COUNTRY

Portugal

CLIENT

Nacional Forest Fire Prevention

Avenida João Crisóstomo, 26

1069-040 Lisboa

Portugal

PARTNER

DATES

October 2012 - November 2012

ACTION MODULERS' MAIN TASKS

Implementation, calibration and validation of MOHID Water model.

Analysis of different scenarios.

SOFTWARE & SUPPORT

Action Modulers offers a wide range of customizable software products. We also provide professional support to implement your projects.

CONTACTS

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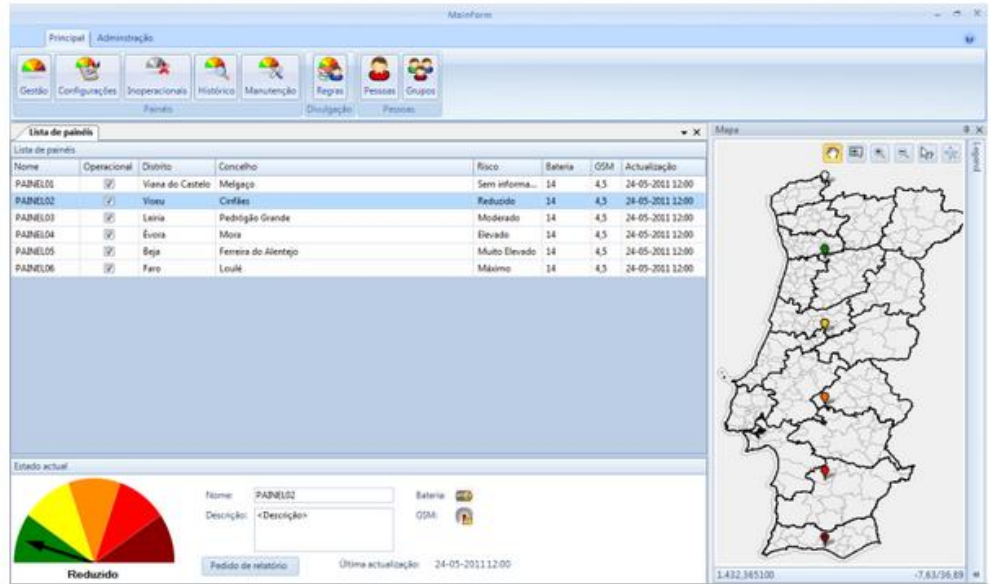
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Development of a warning system for forest fire risk



Here we develop an innovative system of updating the information in the outdoors, which allows remote control, without the need of manual operation in situ, which is composed by three components: (i) a controlling system, (ii) electromechanical outdoors and (iii) a network of communication.



Updating the forest fire danger index risk at the outdoors is achieved in four major steps:

- The central receives, from the operator or from other predefined sources, detailed geo-referenced information about the forest fire danger index. By intersecting the geographical localization of the outdoors, with the current forest fire danger index, the software of the controlling system calculates the index to display in each outdoor;
- The index to be displayed is communicated, through GSM Network, to the outdoors,
- After receiving the new forest fire danger index, a electro-mechanic system moves a pointer in order to be placed in front the current index
- The outdoors send a message, again using the GSM Network, to the central, confirming the status of the operation.