**CD++ Model Data Form**

Title: Fire and Smoke

Type: Cell-DEVs

Acronym/Short name: FAS

Purpose for which Developed: This is a model that simulate the behavior of smoke particles from forest fires (or any open field fire).

Other Applications for which it is Suitable: Diffusion and Osmosis in both Biological and Ecological spaces.

Date Developed/Implemented: November 2016

Domain: Meteorology

Current Version:

URL:

Description (including characteristics): Each cell in the cell space represents a geographical area (in this simulation, the area is a forest or open plantation) following the rules of the environmental Lab of the University of Course. There are two layers. One layer represents the behavior of fire and the other layer depicts the behavior of the corresponding generated smoke particles in the cell. We put in consideration the direction of wind, the rate of burn of surrounding fuel elements.

Links to Related Documents

Short Title:

URL:

Description:

Keywords: Power supply, change over, generator

Developer:

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Comments: This model works, it`s ok but lots of room for improvement.