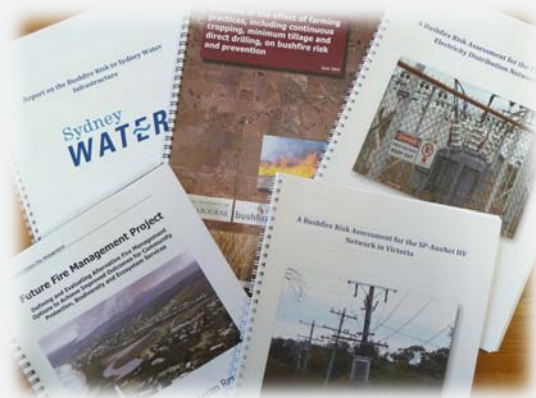


PHOENIX RapidFire – a bushfire simulator and risk assessment decision support tool

Dr Kevin Tolhurst¹, Derek Chong² and Dr Tom Duff²

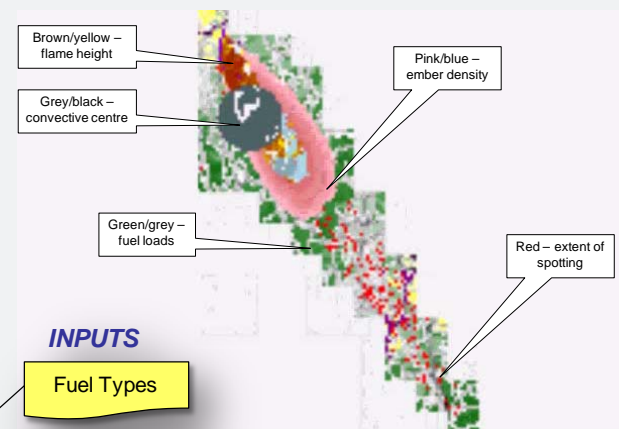
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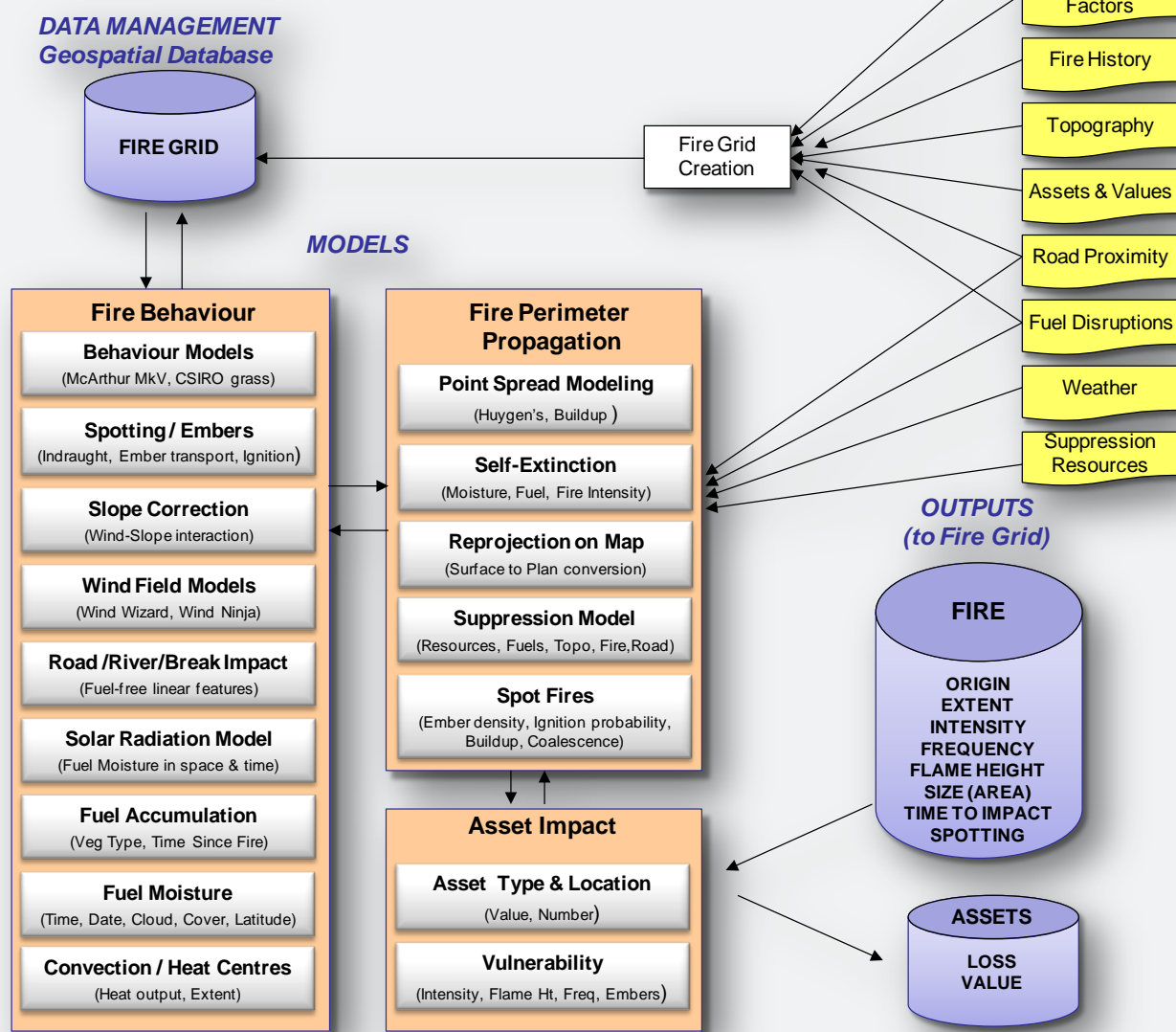


Real world applications – biodiversity, farming, power supply, water supply.

Detailed fire characterization, including flame height, ember density, spotting distance, convection column strength and fire intensity.



A dynamic, deterministic, continuous, empirical fire characterization model.



Visualization of fire dynamics for community warning and education.



Integrating complex interactions between fires and houses and other assets. Providing a basis for evaluating plans and developments.

