

Wildfires

- Vegetation fires
- Forest, Heath, Grass, Crop fires
- Effected by moisture deficit caused by high temperatures and drought
- Small ignitions to highly dynamic fires cover large spatial areas



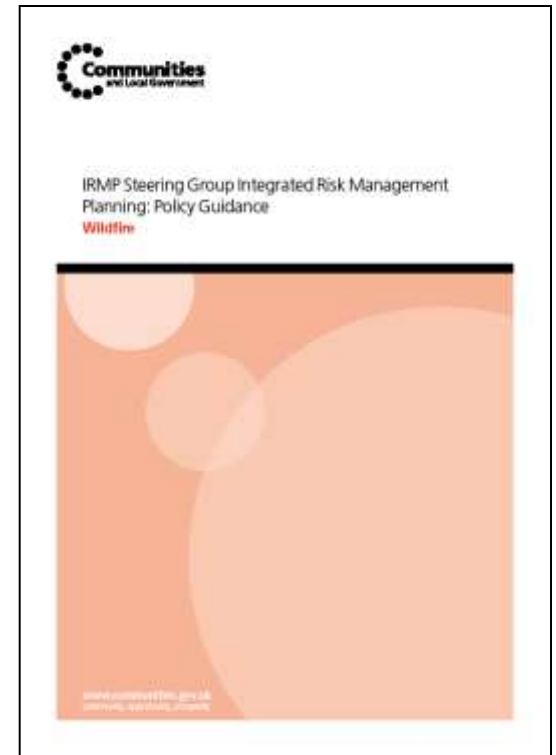
Present situation

- Annual cost of responding to wildfires by FRS £35M in non-heat wave years (mean cost over 10 and 15 year and early modelling but very conservative figures).
- Increased cost of response between 30% to 60% during heat waves years.
- This does not include the impacts of wildfires on infrastructure, social, economic and environmental assets. Calculation of this will begin with IRS data.
- Adaptation to Climate Change: a strong enough reason to get land management government departments, agencies and Land Managers to improve land use prevention and increase response efficiency?

Risk Impacts

Wildfire Integrated Risk Management Plans (IRMP) Guidance:

- The impact of climate on fire
- The impact of fire on fauna
- The impact of fire on flora
- The impact of fire on soil
- Human impact
- Financial impact
- The impact of fire on pollution



Fire and Rescue Statistics User Group (FRSUG)

- Promoting free exchange of views and information in the use of fire and rescue statistics to inform policy and practice
- Working with FC, FR and SEEWG to develop wildfire statistics
- Improving wildfire reporting - a key FRSUG objective



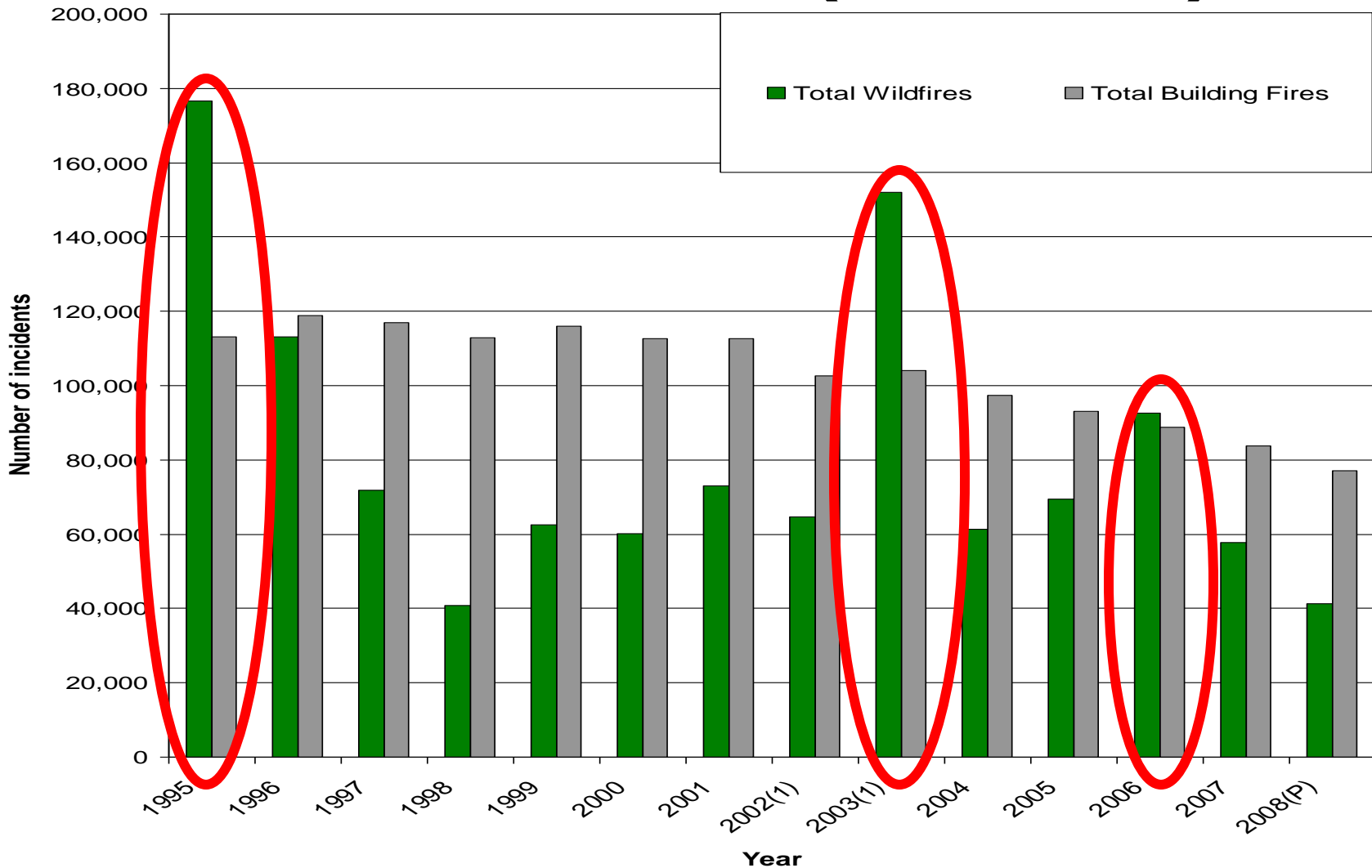
Forest Research

**SE England
Wildfire
Group**

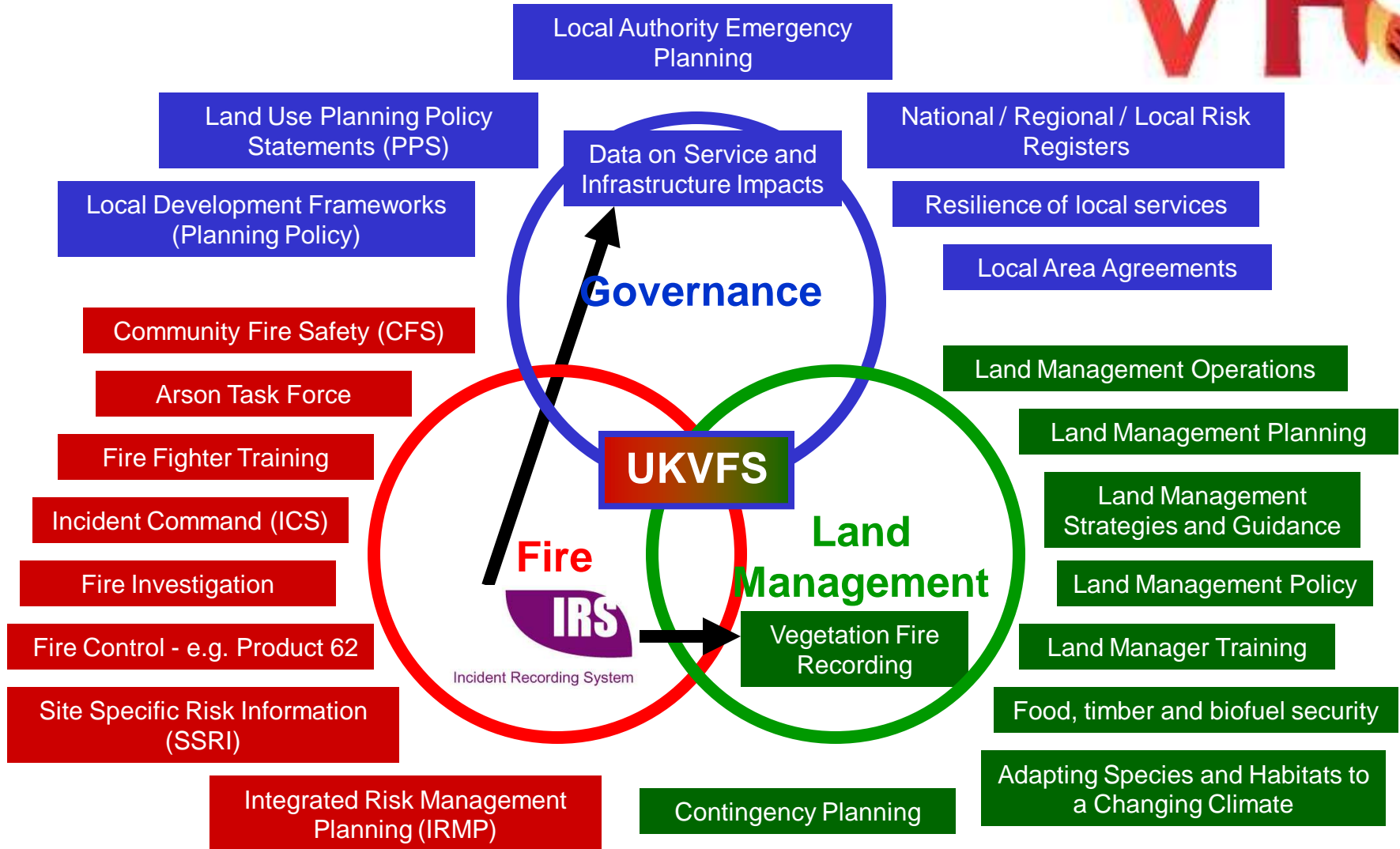


Forestry Commission
England

Wildfire and Building Fires 1995 to 2008 (FDR1&3)



Scope of UKVFS



Improvements

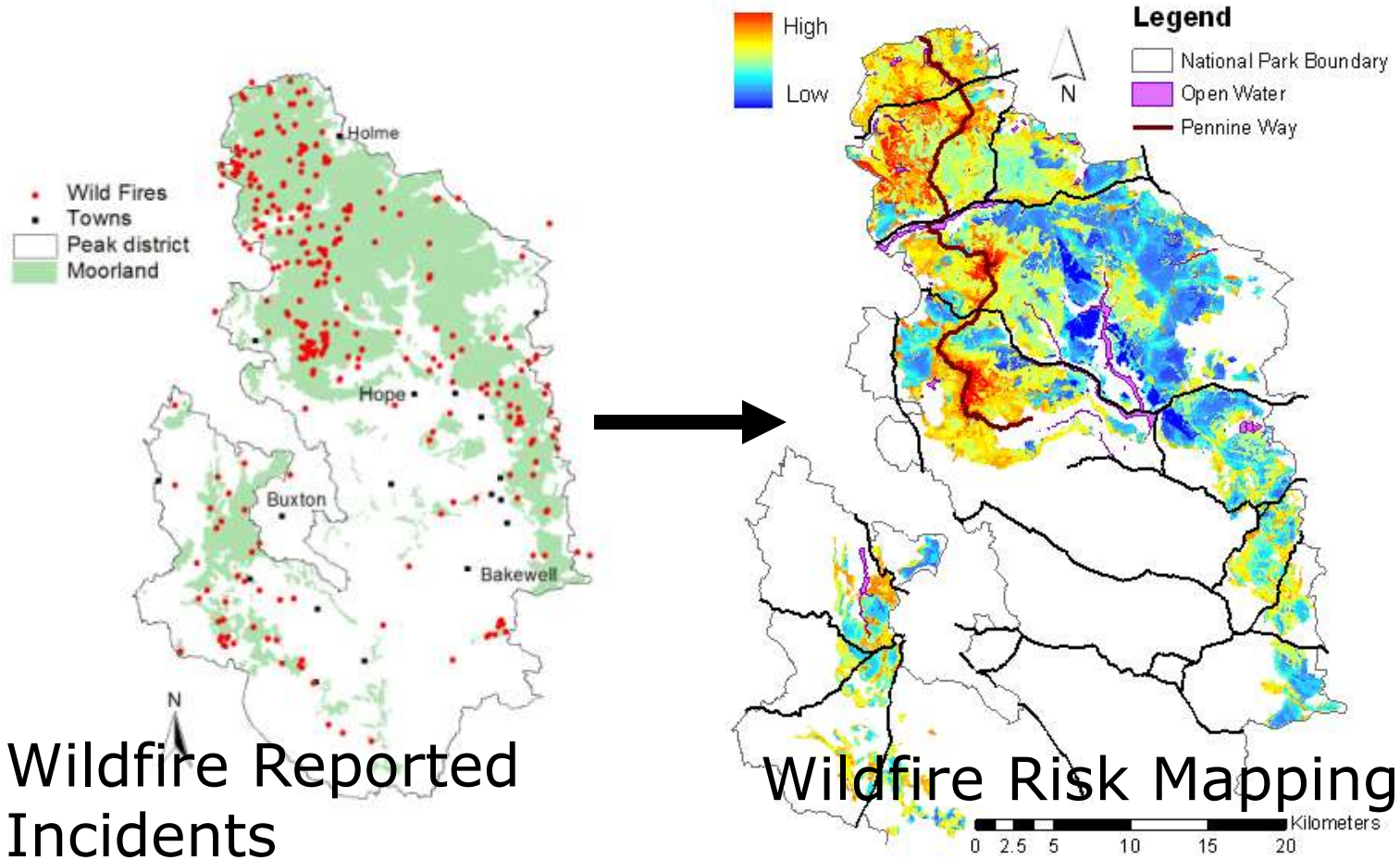


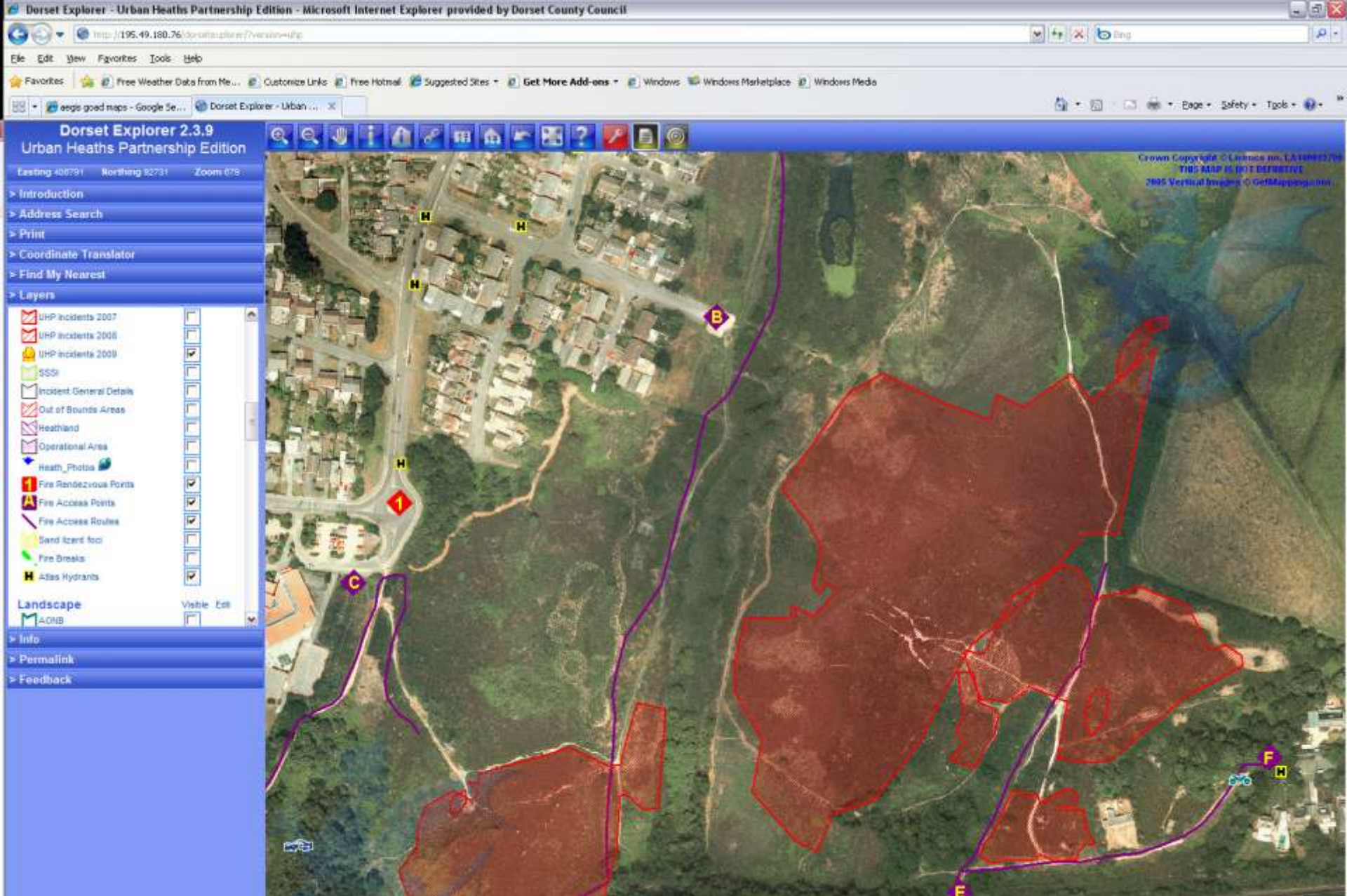
Examples of data fields included from UKVFS into the Incident Reporting System

- Habitat based approach property types
- Vegetation categories add for ignition sources and main items burnt
- The area of fire damage measured in hectares (+10,000m²)
- Wildfire specific resources and equipment (e.g. 4x4 vehicles and fogging systems etc.)
- Wildfire specific tactics and techniques (main actions)
- More relevant 'fire cause' or 'motives'



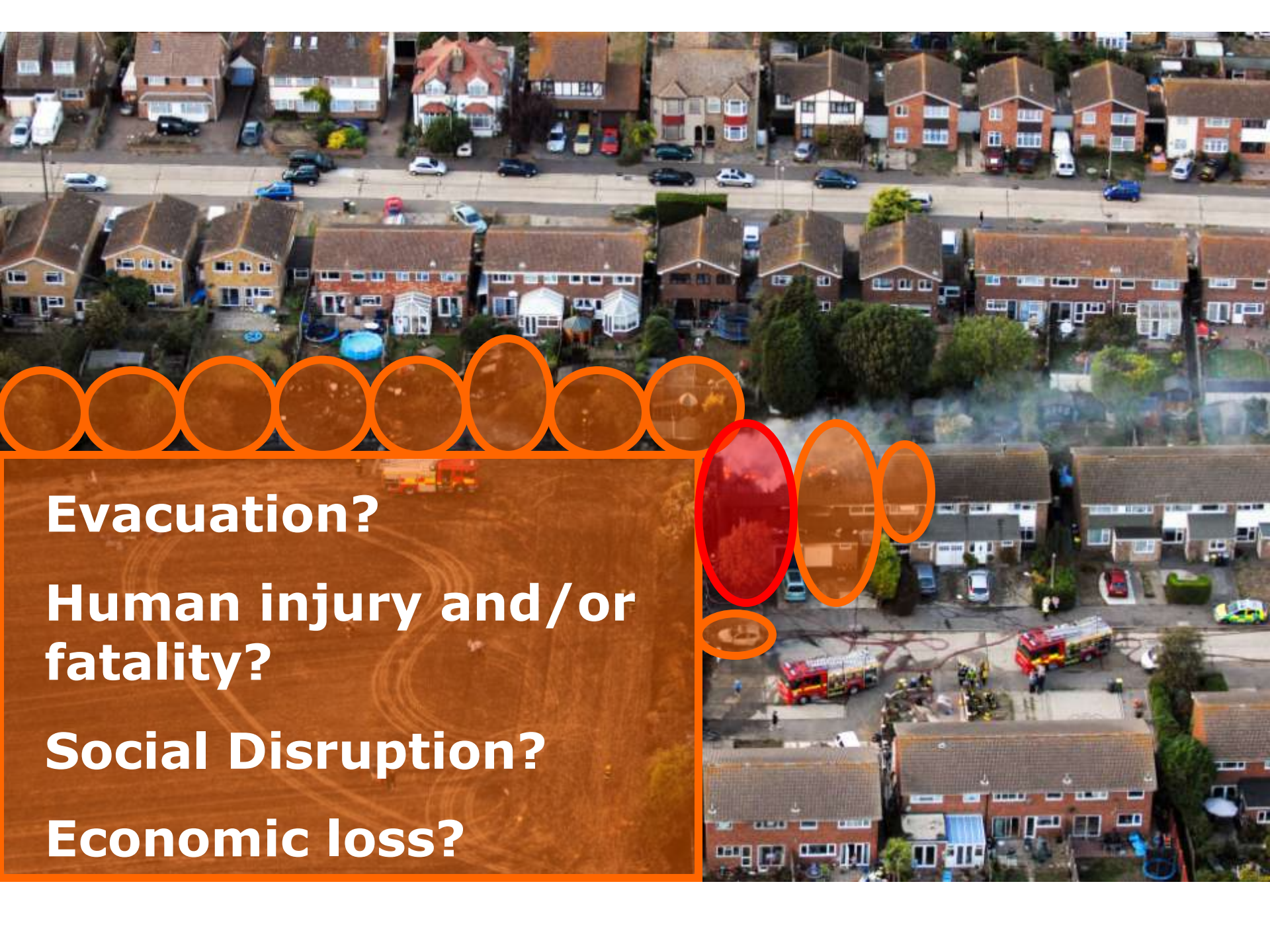
Spatial Modelling of Reported Wildfire Risk: Peak District National Park





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Evacuation?

Human injury and/or fatality?

Social Disruption?

Economic loss?

Future challenges

Need for:

- Improving data on Disruption, Assets and Infrastructure impact in IRS
- Wildfire reporting training in UK for Fire Services and Land Managers (data quality improvement)
- FRS and partners to under take greater analysis of Wildfires in Integrated Risk Management Plans (IRMPs)
- Greater awareness on the need to collect data and improve quality
- Ownership of wildfire by the most appropriate government department (not the fire sector?)

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