

Ioanna Tantanasi and Julia Mcmorrow

Aim

Context

- A resource was needed to help signpost England and Wales Wildfire Forum (EWWF) and other stakeholders to relevant UK-based vegetation fire researchers, especially after the Knowledge for Wildfire (KfWf) project finishes in Sep 2016
- Built on Prof. John Dold's 2012 survey of 31 researchers
- Funding obtained from the Natural Environment Research Council (NERC), 04/04/15 – 07/09/15 to produce an online resource for the KfWf website, www.kfwf.org.uk
- Two deliverables: (i) a 'Who does What' spreadsheet of UK-based researchers who work on different aspects of vegetation fire; (ii) interactive map.

Method

- Desk survey of similar online resources. Webmaster consulted on technical issues
- Two rounds of EWWF consultation
- Two rounds of researcher consultation, based on John Dold's 2012 survey and the KfWf contact list. Snowballing process; asked researchers to pass it onto others.
- Analysis of feedback after each round of consultation

- Data mining of Envirobase (<http://www.envirobase.info/>) for project and researcher information (Figure 1). Provided quality control for projects, as all listings were funded by UK Research Councils or Government agencies and were recognised by the Living With Environmental Change (LWEC) partnership.
- KfWf steering group consultation on final version of 'Who does What' database and webpage.



'Who does What' UK fire researchers database

- Spreadsheet of 73 UK and 2 Eire-based researchers working on vegetation fire, listed against their specialist topics (Figure 2).
- Contact information: University, email, link to their webpage.
- Project information; links to relevant Envirobase projects and other project web pages supplied by researchers
- Downloadable as searchable Excel file from KfWF website



Interactive map

- Map (Figure 3) links to a postcode field in the spreadsheet.
- Click on a highlighted location to open a pop-up window showing the specialisms and contact details of researchers
- Zoom in and click arrow at top of pop-up window to access other researchers at that University
- Map and spreadsheet both available from: <http://www.kwf.org.uk/researchersdatabase/> (Figures 3 & 4)



Challenges

- A one-off, snap-shot in time; some unconfirmed data and omissions due to timing and short duration of project.
- Send us your feedback. Database may be updated if future funding is available.
- Data after 31/01/2015 is not included on Envirobase. It is now an archived resource
- Interoperability on different platforms and browsers.

Acknowledgements

- EWWF for feedback.
- Researchers for providing data.
- NERC Impact Accelerator
- The University of Manchester for funding; project NERC IAA 12
- Graham Bowden, Webmaster, School of Environment Education and Development, The University of Manchester

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WHO DOES WHAT RESEARCH? KFWF SURVEY ON UK VEGETATION FIRE RESEARCHERS

Ioanna Tantanasi and Julia Mcmorrow

School of Environment Education and Development

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To develop an 'Who does What' online resource of UK vegetation fire researchers.

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Envirobase.info

Work detail Export to... Excel 20% 20%

Research project: Fire Interdisciplinary Research on Ecosystem Services; fire and climate change in UK moorlands and heaths (FIREs)

Short title: FIREs

Id: RES150

Lead research org: University of Manchester (The), School of Environment and Development

Funder's Id: RES-496-26-0038

Duration: 01 Sep 2007 to 31 Aug 2009

Data provider: ESRC

Jump to Contact and other information (on this page)

Summary: Seminars organised by University of Manchester researchers are influencing the UK's first wildfire management plans. The seminars brought together researchers with landowners and fire services to help tackle wildfires more effectively.

Objectives:

Aim: - To build capacity for inter-disciplinary research on fire and its impacts on ecosystem services of UK heaths and moorlands; - To establish a cross-cutting inter-disciplinary research agenda on the relationships between ecosystem services, managed fire and wildfire in UK heaths and moorlands, especially implications of increased wildfire risk under climate change scenarios; - To incorporate the needs of policy makers, moorland managers and other stakeholders, facilitate knowledge transfer to policy makers and contribute to evidence management responses. Objectives 1. To facilitate dialogue between participants at three levels: (i) socio-economic, environmental and physical scientists; (ii) researchers, academics (international and UK); and postgraduate students; (iii) and researchers, stakeholders and policy-makers. 2. To identify the ecosystem services of UK heaths and moorlands, assess the role of managed fire in maintaining them and the costs and benefits of reductions in prescribed burning. 3. To assess the threats to ecosystem services posed by wildfire, including future threat from climate change. 4. To evaluate the suitability for the UK of wildfire modelling tools, including identifying data needs and implications for policy. 5. To identify alternative strategies for managing wildfire risk, evaluate their relative costs and benefits for ecosystem services, and identify the political and institutional policy drivers. 6. To disseminate findings and define an agenda for further cross-disciplinary research to form the basis for future research grant applications.

Description: Wildfires can be a serious problem for much of the UK countryside but, until recently, they have been largely ignored by government policy. Now, a seminar series run by researchers at the University of Manchester has encouraged the National Trust to create two wildfire management plans for the Peak District. Government departments, including the Cabinet Office, have also begun to show an interest in wildfire monitoring and reporting. Locally, the awareness is very high," says Julia Mcmorrow, a Senior Lecturer at the University of Manchester who led the seminar project. "But I think nationally it wasn't really on the agenda. The FIREs (Fire Interdisciplinary Research on Ecosystem Services) seminar series, which took place in 2008/09, brought together academics, landowners, fire and rescue services (including local fire/ranger stations), policy-makers, and international experts in fire management. McMorrow notes that this was "the first time the Fire and Rescue Services had been brought into the debate." The seminars also helped horticulture and colleagues develop a network of compatible and local capacity in the area of research, particularly amongst early-career researchers and practitioners. Wildfires often occur in largely inaccessible areas of grasslands, heaths and moorlands across the UK. Since 1870 there have been around 1800 wildfires in the Peak District National Park alone. They are a natural part of many ecosystems, but severe fires can cause substantial damage to ecosystem services. This includes increased carbon emissions (particularly if the fire burns into peat soil and releases carbon stored there), biodiversity loss, reduced water quality as pollutants such as heavy metals are released from peat, loss of livelihoods, and a negative impact on tourism and recreation. Wildfires tend to happen in clusters at certain times of year and in some years more than others. For example, there

Figure 1: Example of an Envirobase project page

- Data mining of Envirobase (<http://www.envirobase.info/>) for project and researcher information (Figure 1). Provided quality control for projects, as all listings were funded by UK Research Councils or Government agencies and were recognised by the Living With Environmental Change (LWEC) partnership.
- KfWf steering group consultation on final version of 'Who does What' database and webpage.

| 'Who does What' UK researcher database on vegetation fire by Knowledge for Wildfire (KfWf) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CONTACT DETAILS | | | RESEARCH TOPICS: (1) indicates a main research interest; (2) is a secondary interest | | | | | | | | | | | | | | | | | | | | PROJECT INFORMATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Researcher's name | University | Unpublished/Peer reviewed | Fire ecology | Fire management | Fire risk | Fire science | Fire services | Fire prevention | Fire impact | Fire history | Fire policy | Fire regulation | Fire research | Fire education | Fire communication | Fire awareness | Fire training | Fire preparedness | Fire response | Fire recovery | Fire resilience | Fire assessment | Fire reduction | Fire management | Fire communication | Fire awareness | Fire training | Fire preparedness | Fire response | Fire recovery | Fire resilience | Fire assessment | Fire reduction | Fire management | Fire communication | Fire awareness | Fire training | Fire preparedness | Fire response | Fire recovery | Fire resilience | Fire assessment | Fire reduction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seán Aherne | Manchester Metropolitan University | s.aherne@mmu.ac.uk | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |