Spider Science: from academic research to public engagement

ArachNotts

Nottingham's SpiderLab

Sara Goodacre
University of Nottingham

Spider Science: models for studying adaptation

Spider Science: models for studying adaptation

White (2016)

From Spider Science to Public Engagement

SpiderLab@ Nottingham

http://www.arachnotts.com/

From Spider Science to Public Engagement

“Nottingham's SpiderLab champion wins public vote for 25 Genomes Project”

SpiderLab@ Nottingham

From Spider Science to Public Engagement

SpiderLab @Nottingham on tour

https://www.bbc.co.uk/programmes/p05bc7t7

Combining Science with Public Engagement

Open Air Laboratories citizen science project

OPAL

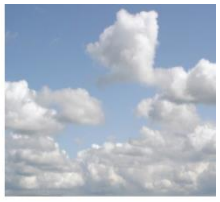
EXPLORE
NATURE


Soil


Air


Water


Biodiversity


Climate

Combining Science with Public Engagement

- Nitrogen loving and nitrogen-sensitive lichens used as indicators of air pollution (Nitrogen oxides and ammonia).

- Nitrogen-sensitive

- Intermediate

- Nitrogen-loving

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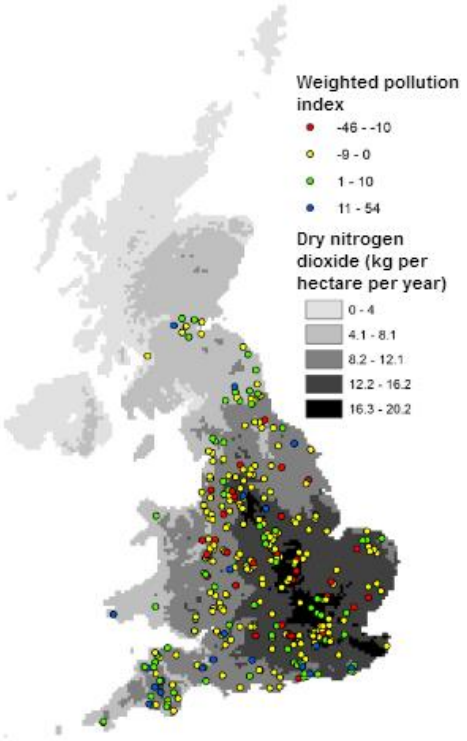

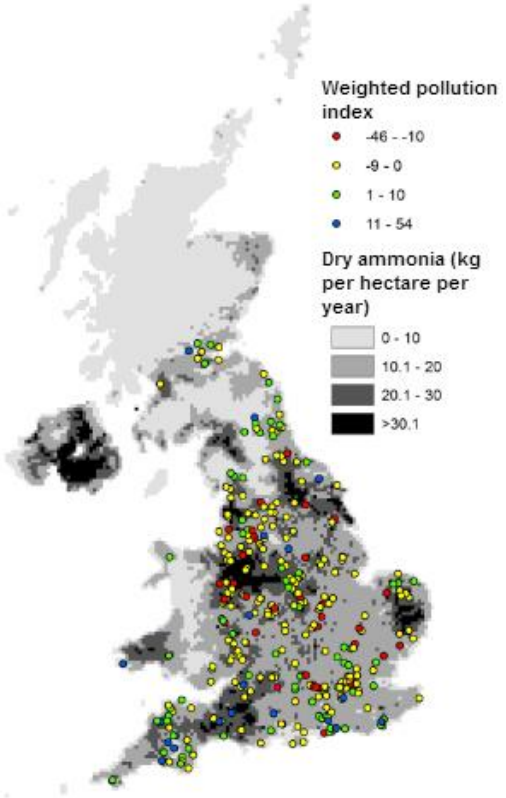

- Seed et al. (2013): **Modelling relationships between lichen bioindicators, air quality and climate on a national scale: results from the UK OPAL Air Survey**. Environmental Pollution, 182:437–47.

Combining Science with Public Engagement

https://www.dailymail.co.uk/news/article-6294953/False-widow-suspected-outbreak-closes-11th-London-school.html
https://www.standard.co.uk/news/london/ninth-london-school-in-newham-closed-due-to-venomous-false-widow-spider-infestation-a3959706.html

Combining Science with Public Engagement

https://species.nbnatlas.org/species/NBNSYS0000039460

Combining Science with Public Engagement

https://www.arachnotts.com/spider-school

https://www.bbc.co.uk/news/av/uk-england-derbyshire-40436916/derbyshire-pupils-experience-uk-s-first-spider-school

Spider Science: academic research & public engagement

With thanks to the University of Nottingham and all the members of the SpiderLab