Community Science

Engaging communities through citizen science

Bee, butterfly, hare & plant illustrations © Chris Shields
Bird illustrations © Mike Langman
Peak District National Park and South Pennine Moorlands

- Peak District is within 1 hour’s drive for 20 million people (Alan’s Ramblings, 2004).
- Probably most visited moorlands worldwide with tradition of access across wide areas.
- First UK National Park created in 1951.
Priority habitat: Blanket bog

• Water and mineral source comes from rainwater, mist & cloud-cover (ombrotrophic).

• Nutrient-poor and acidic, dominated by acid-loving plants, especially *Sphagnum*.

• 10–15 % global resource in UK.

• South Pennines represents most south-easterly occurrence in Europe.
Priority habitat: Blanket bog

Black Hill 2005
Community Science aims:

• Monitoring climate change and it’s impact on the uplands of the South Pennine Moors and it’s wildlife.

• Focussing on indicators

• Engaging and equipping volunteers to monitor these indicators across the landscape and for a long-time.

• Enable communities to find out about, get involved with and care about moorland conservation through data recording.

Data collected will help to:

• Monitor changes in the physical environment.

• Inform future conservation land management.
Community Science - connecting people to nature

MoorWILD

iRecord (www.brc.ac.uk/irecord) - verified by experts.
Science from the community
Science from the community

• Change in distribution?
• Mismatch of coat colour?
• Competition with *Lepus europaeus*?
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What can the data tell us?

Moors for the Future Bumblebee Transect Summary Report

Annual Summary data shows a summary of the data arranged by week.

Figures shown in red are (or include) estimates for missing weeks, based on a simple interpolation.

Raw data will just show the counts exactly as entered. When looking at single sites in Raw data form, you can edit your counts by clicking on the data at the top of the column.

- 30 transects
- 30 individual surveyors
- 123 transects walked
- 2600 bumblebees recorded
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Each survey requires a different level of time and commitment from you. The icons 1, 2 or 3 show you how much time is involved - 1 being the least and 3 being the most.
South Pennines climate indicators

Predicted:
- hotter, drier summers
- warmer, wetter winters
Community Science
connecting people to people

Environmental Monitoring volunteer

Wildlife surveyor

Wildlife survey trainer

Data volunteer

Engagement volunteer
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Eastern Moors Partnership

UNIVERSITY OF DERBY
The University Of Sheffield.

National Trust
RSPB
The Wildlife Trusts
Peak District National Park
Community Science – gaining momentum

Engage with MoorCitizens on:

[Social media icons]
Community Science
Lessons & challenges

• Gaining momentum within funding timeframes
• Flexibility – communities / opportunities
• Core staff resource
• Sustainability
We are volunteers – up-skilling

![Graph showing volunteer time over project timeline (claim quarter)].

- **Volunteer time (days)**
- **Project timeline (claim quarter)**

- **Unskilled**
- **Skilled**
- **Professional**
Dear Community Scientist,

Welcome to issue 1 of the new quarterly newsletter from Community Science - Moors for the Future's unique volunteer project - tracking the effects of climate change on moorlands.

Read on for updates, events, and ways you can get involved, or sign up today and make a difference!

Sir David

We were delighted recently when Community Science received these words of encouragement.

Photo competition 2015

We would like to invite you to take part in this year's photo competition, the theme of which is 'Wildlife and Moorland'.

You could win 2 fabulous signed books worth over £40. Judges this year include Kate MacRae (Wildlife Kate) and Paul Hobson.
Thank you

MoorCitizens

Partner organisations

www.moorsforthefuture.org.uk