Slide 1:

Hi, we are Al Taylor and Max Penrose from STFC RAL and we are here to present “Where can I find”

Slide 2:

So what is Where can I find? It is a website aimed at conservationists and wildlife enthusiasts and help them find the best place to find wildlife.

Slide 3:

The main function of where can I find is to search for species near a location. By putting in a pair of search terms, one can see the five areas of most frequent sighting, tagged on a map.

Slide 4:

There are two main sources of open data which we use. The first is Google maps, which allows us to plot locations on a map to make it easier to visualise data.

Slide 5:

The other is the open source API of UK postcodes. This uses open data from ordnance survey to convert postcodes to Google maps compatible latitude and longitude.

Slide 6:

In order to power our results, we use reports generated by our users. These can easily be added and allow considerable room for further expansion.

Slide 7:

And here we have our slightly over complicated website structure. We have a JS/HTML front end , which mediates through PHP to a python backend and API. The main reason we cannot produce a live demonstration here is a small group of problems here.

Slide 8:

Here are some future expansions.

We could use twitter scraping to allow reports to be submitted from twitter. We could also release our own API to other groups, such as the RSPB.

Slide 9:

Another expansion might be to make the site into more of a social network, including adding pictures and gamification – rewarding users for uploading reports

Slide 10:

About us.

We are a group of two, who before this week had next to no experience of web programming. Through the course of the week we have had a huge learning curve and we have both really added to our skillsets.