

# Natural Asset Register- Data Portal

**Our vision** is to create an accessible and easy to use online resource for a wide range of users including CAMERAS stakeholders and the wider public, to access spatial data outputs from SEFARI research.



<http://nar.hutton.ac.uk/>

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The James  
**Hutton**  
Institute



# Questions



1) Have you heard about NAR-DP? Have you looked at NAR-DP? Have you downloaded data from NAR-DP?

## **For discussion later:**

2) What existing NAR-DP data were you interested in?

3) When you looked at NAR-DP: could you navigate to data you were interested in?

4) What could be done to improve NAR-DP, to enable you to access the data you require?

# Early development steps



1) **First consultation** (May 2016)

Range of experts on existing natural asset registers.

2) **Review of existing natural asset registers** and related initiatives  
(August 2016)

3) **Workshop with researchers** (September/October 2016)

Views on the proposed portal, and raised awareness.

4) **ELSEG presentation** (November 2016)

Presented and asked for feedback.

5) **Setting up and initial evaluation** of the portal (May 2017)

Evaluated an instance of ESRI Geoportal; then set up a CKAN version.

# 2016-2017 user engagement

## Natural Asset Register Workshop

Weds 5<sup>th</sup> October 2016

### Purpose of meeting

- Part of a wider consultation process
- To establish MRP current and potential Natural Asset Data holdings and to consider how MRP researchers might contribute to and make use of the NAR
- Problem and Opportunity: What we build depends on who wants it for what purpose...



Fit in relation to the initiatives reviewed? Providing access to SRP spatial outputs.

# 2016-2017 user engagement



## **ELSEG presentation 141116**

Interest from a range of organisations.

Who is going to use the Natural Asset Register?

Set out more clearly who the non-researcher users are.

Which groups may find this information useful now and in the future?

There is a need for greater engagement with potential user groups.

Trying to design a tool/resource for multiple audiences may not meet their individual needs.

## **ELPEG discussion 040917**

(SNH) issue with the name of the NAR and what it is providing (i.e. a data catalogue of SRP data is not a NAR).

(SASA) need to be clear on the name (if another related initiative).

# Subsequent development steps



## 6) **Second consultation** (September 2017)

Asked for feedback on prototype.

## 7) **Vision paper** (November 2017)

Worked with RESAS colleagues.

## 8) **Established a Steering Group** (June 2018)

Scottish Government, SNH, SEPA and other SEFARI institutes.

## 9) **Mobile review** (October 2018)

Assessed mobile performance and suggested improvements (see Macleod et al. 2018).

## 10) **Improving content and user experience, and raising its profile** (ongoing)

Working with Steering Group and researchers.

Category	Number of researchers
Datasets expected	11
Datasets obtained	6
No further action (no dataset)	15
No response - Hutton's staff	4
No response - non-Hutton's staff	2
<b>Total researchers contacted</b>	<b>38</b>

# Consultation on draft prototype



Received 16 sets of written comments and two stakeholder meetings.

## Comments:

- purpose of the Natural Asset Register Data Portal (name);
- linkages to related initiatives;
- content (more data), structure, functionality; and
- user experience.



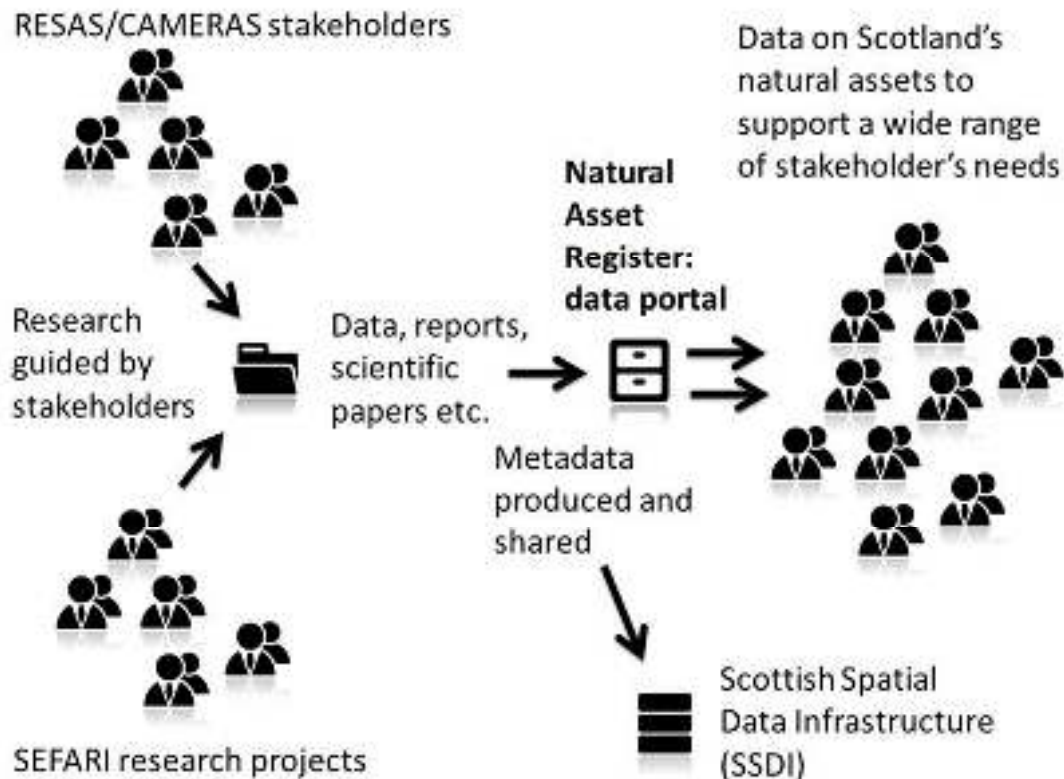
Development of a Natural Asset Register Data Portal Success Criteria Report

Natural Scotland and The James Hutton Institute

Authors: C. A. Macdonald and D. Brindley

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# Vision

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# Steering Group



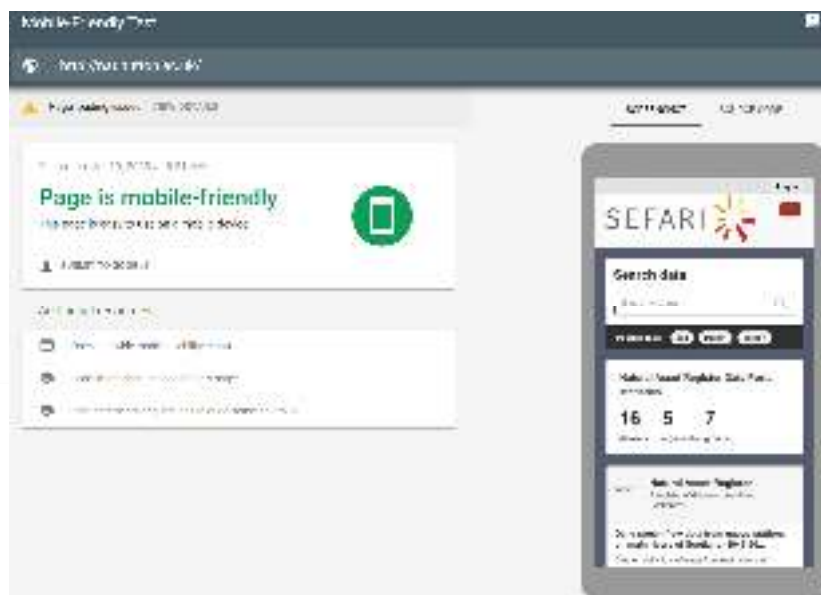


# Use cases and mobile review

A-viewing metadata about the datasets and visualising the datasets on desktop devices, and

B-downloading of datasets to desktop devices in several formats including shapefile, CSV and web mapping services.

Are any changes required to better support current use cases A and B, and for mobile devices?



Reviewing CKAN Natural Asset Register-Data Portal (NAR-DP) performance on mobile devices and suggested improvements

RESAS1.4.1 [D6 Review of mobile device access to environmental information]

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Home / News / Scotland's environment blog  
 / Improving access to spatial data from Scottish Government funded research

To improve sharing and reuse of spatial data from the Scottish Government's funded research on natural assets (that is not available anywhere else), partners created a web app (Natural Asset Register- Data Portal, NAR-DP) and established a steering group to aid continuous improvement of the NAR-DP, gradually adding datasets related to Scotland's soils, land, biodiversity, water and cultural heritage. Kit Macleod and David Connelly from The James Hutton Institute, tell us more.

 The James Hutton Institute  
 October 04, 2019



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A new website to improve open access to research data on Scotland's natural assets



"The aim of NAR-DP is to create an accessible and easy to use online resource for a wide range of people, from organisations to members of the public"

# Raising its profile



## Nature data open to public

SCIENTISTS based at the James Hutton Institute in Aberdeen have developed a web-based portal to improve access to spatial data on Scotland's natural assets, including soils, land, biodiversity and cultural heritage.

The new Natural Asset Register Data Portal (NAR-DP) gives access to open-access datasets created through the Scottish Government's Strategic Research Programme.

Kit Macleod, from the Institute's Information and Computational Sciences group and co-developer of NAR-DP together with colleague David Donnelly, explains: "A key aim of the Strategic Research Programme funded by the Scottish Government is to improve our understanding and management of natural resources.

# Demo



**SEFARI**  
NATURAL ASSET REGISTER  
DATA PORTAL

Data Organisations Themes About NAR:DP

Search

**Search for research data to view or download**

E.g. environment

**Popular tags:** AECS species richness SRDP soil water quality carbon Hutton water chemistry biodiversity ecosystem services land cover landscape

**Datasets currently loaded: 39**

This tool is for sharing spatial data. Click on 'Data' or one of the other buttons to see what is available. We recommend using the Chrome or Firefox browser.

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