

Biodiversity Action Reporting System



Future Reporting : Role & Capabilities

2010/11 Development Programme

Biodiversity Action Reporting System



- 1. A clear reporting role for BARS**
- 2. BARS : Experience up to 2010**
- 3. Vision for Action Reporting**
- 4. 2010 / 2011 Development Programme**

Biodiversity Action Reporting System



1.

A clear reporting role for BARS

A clear role for BARS within BAP

- A shared approach to conserving biodiversity.
- Halt and reverse biodiversity loss.
- Clear, realistic and useful role in biodiversity reporting
- Shortcomings – data content, BAP process, functionality
- Objectives of development

BAP Reporting



BAP Reporting



BAP Reporting

Post 2010 Reporting



Subject Expert Assessment



Observation
Data

Action Data



General Biodiversity Reporting



Post 2010 Reporting



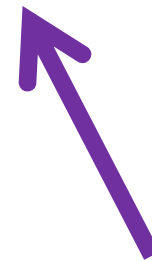
Subject Expert Assessment



Observation
Data



Action Data



Biodiversity Action Reporting System



2.

BARS : Experience up to 2010

UK BAP Reporting 2005 & 2008

- BARS did not meet the reporting expectation...
 - Full reporting involves an assessment of effort, outcome & progress.
 - BARS is not an Outcome Reporting System.
 - Action & Observation data supports but doesn't replace expert judgement.
- BARS did not meet its own action reporting potential...
 - Lack of content
 - Little quantitative data
 - Evidence of plans but little on action

Biodiversity Action Reporting

- BARS did not fulfil its reporting potential for several reasons...

Observation Data:

- Not suited to capture and report observation data

Action Data:

- Structure reflected BAP theory not biodiversity practice.
- Corporate Information Systems.
- Lack of automation.

- BARS development in 2010/11 is aiming to address the action data shortcomings.

Biodiversity Action Reporting System



3.

Vision for Action Reporting

BARS Action Reporting Vision

- Action data offers one type of biodiversity evidence.
- It needs to be used alongside observation data for best effect.
- It is particularly important if we want to assess whether what we are doing is having a beneficial effect.
- Reporting and sharing action information more effectively will also benefit partnership work and future collaboration.

BARS Action Reporting Vision

- Often we want to answer quite straight forward questions about biodiversity conservation...
 - What work are we are doing to maintain, improve, restore and create habitats in this area ?
 - What are we are doing to secure more sustainable population size and ranges species ?
- There is good analogy between the action we take for habitats and our objectives for them... **Maintain, Restore, Create**
- There is little analogy between the action we take for species and our objectives for them... **Population size, Range**

BARS Action Reporting Vision

- Action reporting is especially helpful for habitat reporting.
- We think an improved BARS we help answer questions like...

How much Lowland Heathland is being maintained in good condition in Wales ? (action to maintain)

What are we doing to increase the amount of Lowland Heathland in Carmarthenshire since 2008 ? (action to restore & create)

How much Lowland Heathland are we restoring in Pembrokeshire ? (action to restore)

How much Lowland Heathland are we creating in Powys ? (action to create)

Biodiversity Action Reporting System



4.

2010 / 2011 Development Programme

BARS Development

- Focus on fixing gaps & improved aggregated reporting ability.
- Install a spatial database
 - Providing the ability to map the location and spread of actions to support planning and reporting.
- Establish a data standard for action information
 - Will allow aggregated reports of action information by geographic area, BAP feature and action type.
- Improve the content of BARS by
 - introducing the ability to import action data from third party systems, and
 - building an improved action capture tool to enter data directly.



BARS by April 2011

- Install a spatial database
 - Providing the ability to map the location and spread of actions. It is believed that this will help partners plan and coordinate future action as well as improve reports on recorded action.
- Establish a data standard for action information
 - Supporting improved automation of action reporting this should allow aggregated reports of action information by geographic area, BAP feature (species or habitat) and categories of action type.
- Improve the content of BARS by
 - introducing the ability to import action data from third party systems, and
 - building an improved action capture tool to enter data directly.



BARS Development

BARS Development Prototypes

1. Action Capture & Reporting Visualisations
2. Mapping demo

<http://test.ukbap-reporting.org.uk/barsmapper/spatialplanner.aspx>



General Biodiversity Reporting

Post 2010 Reporting



Subject Expert Assessment



Observation
Data

Action Data