

# A Time to Reflect

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# Historic Literature

- 📁 \_Reports\_All Defra Funding\_2001-2014
- 📁 1968\_Nature on the Grid\_CAMPBELL
- 📁 1973\_BRC\_A national data bank\_Leaflet
- 📁 1975, 1977 Guide to Biological Recording in Scotland
- 📁 1975\_Angus Wildlife Review
- 📁 1975\_Biological Recording in Scotland\_Conference Report
- 📁 1977\_BRC Instructions for Recorders\_HEATH AND SCOTT
- 📁 1977\_The development of the Biological Data Bank, West Yorkshire Region\_LAI
- 📁 1978\_Handbook for Local Biological Record Centres\_FLOOD & PERRING
- 📁 1981\_Survey of local and regional biological record centres. HARDING & GREE
- 📁 1982\_SurveyLocalRegionalBiolRecordsCentresAnalysisResults\_GREENWOOD
- 📁 1983\_Survey\_species\_recording\_schemes\_local\_biol\_rec\_centres\_WHITELEY
- 📁 1984\_LRCs & environmental recording - where do we go from here\_COPP
- 📁 1985\_Biological Recording Forum-Biology Curators' Group Special Report No 0
- 📁 1985\_BRISC Biolink '85 Conference
- 📁 1986\_Biological Recording in a Changing Landscape\_HARDING AND ROBERTS
- 📁 1988\_Biological\_Survey\_Need\_&\_Network\_R.J.Berry
- 📁 1990\_Biological recording changes\_ITESymposium\_PAUL HARDING
- 📁 1992\_Biological recording of changes in British Wildlife\_HARDING
- 📁 1993\_Biological recording in the Highlands - the first5yrs 1987-1991\_EVANS
- 📁 1995\_Biological Recording In UK\_Burnett&Copp
- 📁 1996\_Biodiversity Information on the Internet Cornucopia or Confusion\_CARLI
- 📁 1999\_A Source Book for Biological Recording in Scotland\_BRISC
- 📁 1999\_Lanarkshire Biological Information Survey MELLOR
- 📁 2000\_Generating data solutions through Local Record Centres. NBN
- 📁 2001\_Biological Recording in Highlands and Islands\_SNH
- 📁 2001\_framework-biodiversity-in-highland\_HIGHLAND BIODIVERSITY
- 📁 2006\_Biodiversity Data needs for Local Authorities and National Park Authorities\_ALGE
- 📁 2006\_NBN Future Requiements\_JNCC
- 📁 2006-16\_Strategic Buisness Plan\_BRISC
- 📁 2007\_Biodiversity-Duty-guidance-for-local-authorities\_Local Gov Information Unit
- 📁 2007\_Review of LERCs\_NE (JustEcology)
- 📁 2007\_Running a Biological Recording Survey or Scheme\_NBN
- 📁 2009\_Analysis of Biodiviersty Data Needs for SNH, SEPA, SG, LA
- 📁 2010\_Obtaining the Benefits from Biological Recording\_JNCC
- 📁 2010\_DataHub\_LLTNPA, Stirling, Clacks and Falkirk area\_ANDY FORD
- 📁 2010\_Highland Biodiversity Data Sharing Needs Analysis\_WARNOCK
- 📁 2010\_InvolvingPeopleBioRecording\_SNH
- 📁 2010\_Making Space for Nature\_LORTON
- 📁 2010\_Recommendations from Biodiversity Science SubGroup on Petition PE1229
- 📁 2010\_Record Centre buisness model review\_NE
- 📁 2011\_Towards Joing the Dots\_NFBR
- 📁 2011-12\_ALGE Report on Impact of Spending Cuts\_ALGE
- 📁 2011-2015\_Strategic\_Plan\_NFBR
- 📁 2012\_A change in funding directions. Implications for Bio Recording\_ROGER MORRIS
- 📁 2012\_Evidence for the need for SBIF
- 📁 2012\_Local Records Centre Accreditation Implementation\_NE
- 📁 2012\_Promoting Biological Recording\_BRITISH WILDLIFE
- 📁 2013\_Biodiveristy data should be published, cited, and peer reviewed\_COSTELLO
- 📁 2013\_Report\_on\_Ecological\_Competence\_and\_Capacity\_ALGE
- 📁 2015\_SBIF Survey of CIEEM members\_SBIF
- 📁 2016\_An independent review of the Scottish Planning System

***“the current diverse and uncoordinated network of data bodies should be improved to cope with the increasing amount of biological information”***

***“that there is a great need to coordinate the local schemes with national ones”***

*Conference Report BioRec 75. BRISC.  
Dr Morton Boyd;*

**1975** 1978 1984 1990 1995 1999 2015

***“It would be tragic if the wealth of amateur talent for, and interest in, natural history in this country remains largely untapped because of the lack of a system for ensuring the flow of data from those who have it to those who require it”***

*A Handbook for Biological Record Centres,  
BRC*

1975 **1978** 1984 1990 1995 1999 2015



***“Clearly the problem lies at both the local and national level and is not so much one of lack of effort but a need for coordination and organisation”***

*Biology Curators Group,  
Charles Copp*

***“Typically members of such a network would include county trusts, planning departments, museums, natural history societies, county recorders, conservation volunteers, water authorities, educational groups, NCC and representatives of other national groups with an interest in the area.”***

*Biology Curators Group,  
Charles Copp*

***“The second phase of the solution could be to create a national federation or umbrella organisation for local and regional environmental networks.”***

*Biology Curators Group,  
Charles Copp*



***“To be successful the establishment of the network must make few extra demands on the available labour as it is always the already busy people who have to take up these tasks.”***

*Biology Curators Group,  
Charles Copp*

*“The challenge for the future will be to strike a balance between utilising the existing information, and acquiring new information to update and enlarge the database. New computer-based technologies must be exploited to the full so that the scarce resources of manpower can be used to best effect”*

*“The solution most likely to succeed will depend on enlightened self-interest; each participant will recognise the advantages of adopting consistent standards.”*

Paul Harding

*“One observation tells us rather little, but as the number of observations increases so does their usefulness... For all of this we need databases, the flow of new data into those databases, and hence the recording schemes... We also need the tools for analysis so that answers can be found for a host of questions”*

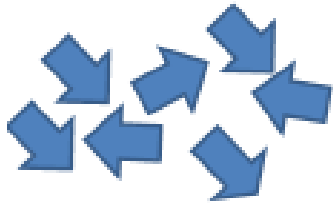
Source book for Biological Recording in Scotland, BRISC

1975 1978 1984 1990 1995 **1999** 2015



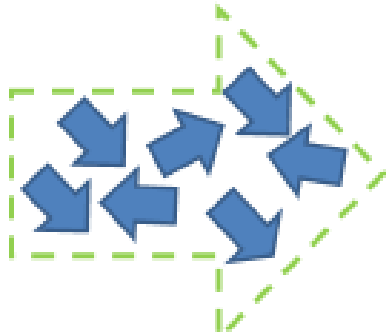
# Where do we go from here?

**1975**



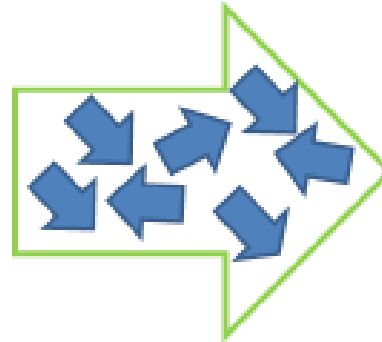
**“Great need  
to coordinate”**

**2000**



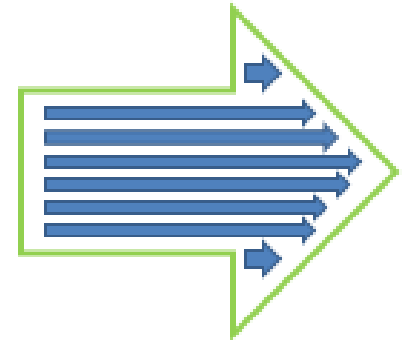
**Formation of  
NBN Trust**

**2015**



**Launch of  
NBN Strategy**

**...**



**The Future**

# What have we got to gain?

- Resilient and sustainable teams and technology
- Effective, well-aligned services; better decisions
- Greater support and recognition for key roles
- Making the most of our collective talents and synergies

## Key roles

1. Recorder
2. Verifier
3. Recording Group Operator
4. Recording Scheme Operator
5. Data Provider
6. Data Developer
7. Data User
8. Service Provider
9. Service User
10. Funder

## Key sectors


1. Academia
2. Commercial companies
3. Local Authorities and National Parks
4. Local Environmental Record Centres
5. Local Recorders and Local Recording Groups
6. Museums, Zoos and Botanic Gardens
7. National Data Centres
8. National Schemes and Societies
9. NGOs
10. Public bodies



# What will the Review focus on?

- Understanding the position today
  - *What roles people play in delivering services/data*
  - *An analysis of the 'As-Is' position and what is problematic*
  - *What could and should be local, national or central?*
- Understanding the changes needed and what they would achieve and cost
- Identifying how we can be successful and sustainable

# Timeline and Updates

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- ***Now to Christmas:*** questionnaire and stakeholder interviews
  - ***January to February:*** preparing high level case for change
  - ***February to March:*** workshops to evaluation options
  - ***April to July:*** preparing and consulting on full case for change
  - ***August onwards:*** final recommendations published

# How can you play a part?

- Take part in the forthcoming questionnaire
- Encourage others to do so to
- Visit the SBIF Stand at lunch
- Pick up a copy of the leaflet and give it a good read

**Have confidence that together we can make a difference and we can change the way we work together**

**Please take part and encourage others to do so too**



*“If a re-organisation for improved coordination and accuracy of biological recording is to be implemented the options necessary to support a business case must be:*

- expressed clearly, the necessity for change being spelt out rationally;*
- defined in specific policies, after the potential roles of participants have been clarified and agreed by the recording community.*

*Clear and far-sighted, authoritative leadership will be essential.”*

Charles Copp

1975   1978   1984   1990   **1995**   1999   2015

**“We will grow our commitment to share biological data and information to provide a comprehensive, unparalleled and authoritative understanding of our natural world”**

John Sawyer, 2015

1975 1978 1984 1990 1995 1999 **2015**

**“The National Biodiversity Network has an opportunity to build an infrastructure that provides confidence, improves the reputation of biodiversity data provision and ensures that everyone contributes to a shared vision and a positive agenda”**

# Thanks for listening

## Questions?

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Michael David Jones  
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