Barcoding Projects and Associated Researchers

	Institution / PI	Taxa	Purpose	Funding
1	University of East Anglia; Brent Emerson	Animal: Collembola	Quantifying diversity, distribution, and community structure within the cryptozoa with high throughput sequencing.	Leverhulme Trust
2	British Antarctic Survey; Will P Goodall-Copestake	Animals: 1) Echinoidea, Holothuroidea; 2) A genus from two different families of Gadiform fish	1) Population genetics of Southern Ocean krill and salps; 2) Population genetics of Southern Ocean fish (part-time PhD project)	NERC (from BAS core funding)
3	Bangor University; Si Creer	Animals: 1. ca. 20 phyla, dominated by Nematoda; 2. Araneae	1.Massively parallel biodiversity identification using 454 Roche environmental sequencing – marine meiofaunal; 2.DNA barcoding in Tetragnathidae, Araneida and Lycosidae spiders	1. NERC, Marie Curie FP7, Portuguese FCT; 2. Masters Students funding
4	Imperial College London; Diego Fontaneto	Animals: all rotifers, including monogononts, bdelloids and seisonids, but not acanthocephalans. Focus on specific cases of species complexes in the group.	Phylogenetic structure of communities in rotifers	
5	NHM Entomology; Alfried Vogler	Animals: Beetles	Barcoding Beetles	Leverhulme; NHM; previously NERC
6	Cardiff University; Michael Bruford	Animals: butterflies and moths, frogs & toads	DNA barcoding of invertebrate and anuran fauna in the Kinabatangan Wildlife Sanctuary, Sabah, Malaysia	Cardiff University (a mixture of undergraduate and MRes projects)
7	NHM Entomology; Paul Williams	Animals: Cryptic bumblebees of the lucorum-group	Species diagnosis in bumblebees	BBSRC Syntax

8	Bangor University; Gary Carvalho	Animals: fish, spiders, crustacea	1.Various- barcoding of Malaysian marine fishes; barcoding and larval biology of Antarctic fish; DNA barcoding of European fishes; 2.DNA barcoding and phylogeny of spiders; 3.DNA barcoding and evolutionary biology of marine Crustacea, esp. Decapoda;	1. EU, Fundação para a Ciência ea Tecnologia (FCT, Portugal); 2. NERC (PhD studentship)
9	British Antarctic Survey; Katrin Linse	Animals: Isopoda, Amphipoda,	Barcoding of Antarctic marine invertebrates from the Scotia Weddell and Amundsen Seas	NERC,CAML, Guelph Canada
10	University of East Anglia and Kunming Institute of Zoology; Douglas W. Yu	Animals: Mostly Insecta also soil fauna	Using next-gen sequencing of cox1 (& other markers) as a rapid measure of common biodiversity. Purpose to generate data for systematic conservation and the like	UEA/UK project carried out in a Chinese fieldsite
11	University of Edinburgh; Mark Blaxter	Animals: to be confirmed	to be confirmed	to be confirmed
12	University of Edinburgh; Graham Stone	Animals:Chalcids/all oak leaf feeders and gallers/all flower visitor groups in urban habitats	1.Use of gall parasitoid communities worldwide as a model system for phylogenetic/phylogeographi analysis of patterns of community assembly. 2.Measure impact of oak phenology on herbivore foodweb properties as a guide to predicting impacts of climate change using INRA oak prevenance trials in France ; 3. Establish phylogeographic centres of genetic diversity and of morphologically cryptic diversity of major pollinators	NERC; BBSRC/Wellcome
13	NHM Botany; Anne Jungblut	Bacteria: Cyanobacteria	Diversity and biogeography of polar cyanobacteria	tbc
14	Aberystwyth University; Gareth Wyn Griffith	Fungi	Diversity of grassland fungi. These include: macrofungi [Hygrocybe etc.], dark septate endophytes, rumen fungi.	Various small grants

15	RBG Kew; Heidi During	Fungi	1) barcoding/reference sequences for British macrofungi. 2) generating reference sequence data/barcode data from fungal type specimens (Kew has now more than 40.000 type specimens).	to be determined
16	The Food and Environment Research Agency; James Woodhall	Fungi – specifically plant health quarantine species, note project include other groups (insects, nematodes, viruses, bacteria but this sheet just refers to the fungal component).	Q-Bol: http://www.qbol.wur.nl	7th Framework Program of the European Union
17	RBG Kew; Paul Cannon	Fungi: 1. Hygrocybe (Hygrophoraceae, Basidiomycota), Geoglossaceae (Ascomycota) 2. Colletotrichum (Ascomycota)	1. Systematics, barcoding and ecology of fungi from waxcap grasslands; 2. Phylogeny of the genus Colletotrichum (This project is a joint initiative with the Centraalbureau voor Schimmelcultures, Utrecht, Netherlands).	1. DEFRA/SNH; 2. None in UK
18	Macaulay Institute; Andy Taylor	Fungi: Ectomycorrhizal and pathogenic fungi	Ectomycorrhizal and pathogenic fungi in the roots of Scots pine under a changing climate	EU funded project BACCARA
19	NHM Botany; Cecile Gueidan	Fungi: Hydropunctaria maura species complex	Developing barcodes for fungi	CBOL
20	RBGE; Rebecca Yahr	Fungi: Lichens:	Barcoding British Lichens: (1) floristic and (2) subgenus (3) species aggregate-level investigations of species concepts for morphologically difficult lichens	RBGE internal funding; small external grants for fieldwork (e.g. British Lichen Society
21	University of York ; Thorunn Helgason	Fungi: Phylum Glomeromycota	Taxonomic diversity and biogeography of the arbuscular mycorrhizas	BBSRC/NERC/Systematics association
22	ICL & RBGK; Vincent Savolainen	Plants	DNA Barcoding of African floras with focus in South Africa	EC, RS, NRF
23	Natural History Museum London; Karen	Plants: trees	Tree School: engaging schoolchildren in UK plant DNA barcoding	Private education charity

	James			
24	RBGE; Pete Hollingsworth	Plants: (1) Bryophytes; (2) Land plants	1) DNA barcoding of British Bryophytes; 2) matK primer design for DNA barcoding	1) DEFRA, RERAD funded core resources; 2) Moore foundation
25	National Botanic Garden of Wales, IBERS, Aberystwyth University, National Museum of Wales; Natasha de Vere, Prof.Mike Wilkinson, Dr Tim Rich	Plants: Angiosperms	A project to DNA barcode all of the native and archaeophyte flowering plants of Wales and to develop applications that help to conserve biodiversity.	Welsh Assembly Government, National Botanic Garden of Wales,National Museum Wales,Countryside Council for Wales,Aberystwyth University,Donations from private benefactors
26	Natural History Museum London; Harald Schneider	Plants: Ferns with focus on derived ferns such as Asplenaiceae, Polypodiaceae	Utility of plastid sequence barcodes to identify ferns	NHM Internal
27	RBGKew; Felix Forrest	Plants: Trees (Angiosperms and Gymnosperms)	TreeBOL-Europe: barcoding the European native tree species	Partly funded (sequencing would be performed by Institute National de la Recherche Agronomique (INRA))
28	University of Reading; Julie Hawkins	Plants: 1) Cactaceae; 2) Barcoding of the large south African genus, Aspalathus: combining molecules and morphology	1) Certification to support conservation of endangered Mexican desert cacti; 2)	Defra (Darwin)