

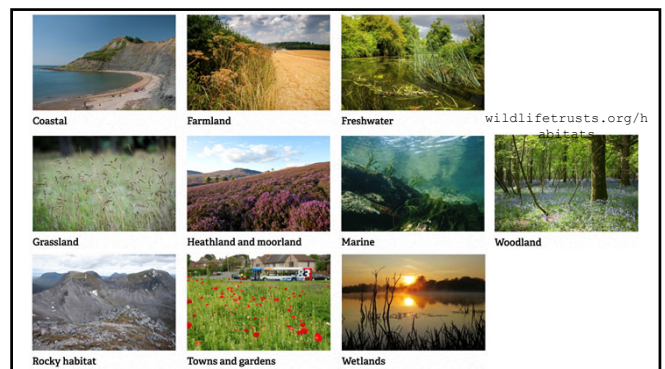
Darwin Tree of Life project

Aim: Sequence the genomes of all **70,000+** eukaryote species in Britain & Ireland (BritI)

Partners: Sanger Institute, EMBL-EBI, Earham Institute, University of Cambridge, Natural History Museum, Kew, Royal Botanic Garden Edinburgh, The University of Oxford, The University of Edinburgh.

Funded by: Wellcome

Map of British Isles: ALL ISLANDS TOGETHER. SCOTLAND, ENGLAND, WALES, N. IRELAND, + IRELAND. sketchplanations

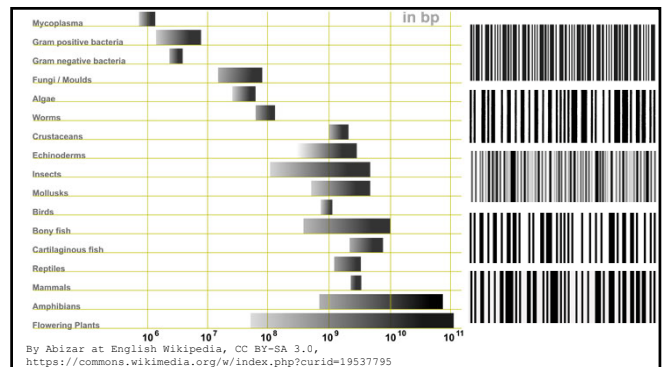


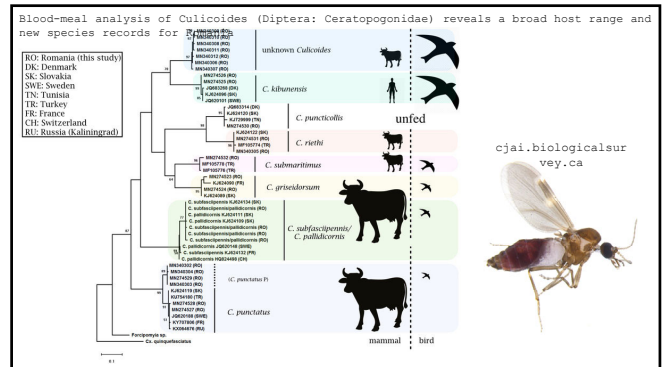
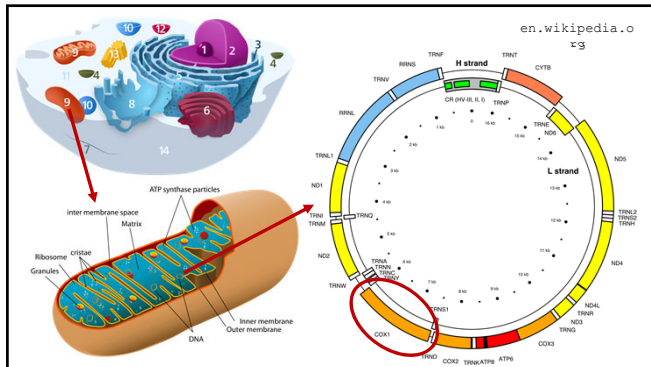
tree of life portal.darwintreeoflife.org

Darwin Tree of Life

This Darwin Tree of Life project aims to sequence the genomes of 70,000 species of eukaryote organisms in Britain and Ireland. It is a collaboration between biodiversity, genomics and analysis partners that will help us understand the way we do biology, conservation and biotechnology.

Species featured: *Cancerus rybyensis* (Ornate Tailed Digger Wasp), *Cervus elaphus* (Red Deer), *Chelonia urbana* (Hawkewood Chelonia), *Chelonia urbana* (Large Burdock Chelonia).





WE ARE **illuminating biodiversity**

Why: Is biodiversity important? What: Is DNA barcoding? How: Can I get involved? Who: Are the iBOL contributors?

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CONNECTING PEOPLE, BARCODES, AND BIODIVERSITY

BELEN - PARA - AMAZON - BRAZIL

September 3-5, 2024

BIOSCAN

The BIOSCAN project is studying the genetic diversity of 1,000,000 flying insects from across the UK over a five year period. Insects from 100 sites are actively being collected on a monthly basis by project partners and then analysed at the Sanger using DNA barcoding. The resulting sequence data will provide a baseline characterisation of insect species diversity over space and time and thus form a much needed resource for DNA-based biomonitoring in the UK.

Map of the United Kingdom and Ireland showing collection sites for the BIOSCAN project.

Partners:

- National Botanic Garden of Wales / Gardd Botaneg Genedlaethol Cymru
- NATURAL ENGLAND
- The Borders Forest Trust
- NATURAL HISTORY MUSEUM
- NatureScot / Scotland's Nature Agency / Buidheann Nàdair na h-Alba
- University of Oxford / Wytham Woods
- Department of Biology
- Forest Research



