

## **Deliverable 7.6 Plant family-level herbarium DNA extraction database (HDED)**

At a 'herbarium DNA' symposium organised by JRA4 (Särkinen, Cowan, Staats, Bakker, at the Royal Botanic Gardens Kew, London, 21 October 2011), and which was attended by 70 people from RBGKew, the NHM, RBGEdinburgh, the Universities of Reading, Fribourg, Hacettepe (Turkey), Lisbon and Wageningen, it was announced that an on-line Herbarium DNA Extraction Database (HDED) will be launched and hosted by RBGKew.

Our Kew-partner Robyn Cowan has been compiling plant DNA extraction/PCR success, using specially-designed questionnaires that were presented at the symposium. For the task of designing, sending out and managing the response on these questionnaires mr. Alex Woodcraft was hired for the duration of 4 months to assist Robyn in getting the work done.

The initial set of responses have been compiled in HDED (Herbarium DNA Extraction Database) which is about to go on-line at <http://www.kew.org/science-research-data/directory/projects/DNA-extraction-Herbarium.htm>. In an overall JRA4 paper to Taxon (Bakker & al. 2014 in prep.) the herbarium community will be prompted to continue to submit herbarium DNA extraction results, both positive and negative, to HDED, thereby eventually creating a self-sustained community-driven database in which contributors remain 'visible' along with their submitted data.

In order to achieve hosting and launch of HDED, one person month of IT salary has been made available to the Kew. Due to internal restructuring at Kew IT and Science depts. in 2013, the realisation of the actual launch has suffered from delays as compared with the original planning, but is expected to go on-line any moment now.

In addition to HDED, Robyn Cowan is compiling across-Angiosperm family herbarium DNA extraction results for a manuscript, as part of Task 4.6 and to be published in a peer-reviewed journal.