

ORCHID SEED STORES FOR SUSTAINABLE USE (OSSSU)

LOGICAL FRAMEWORK

| Project summary | Measurable Indicators | Means of verification | Important Assumptions |
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| <p>Goal:</p> <p>To draw on expertise relevant to biodiversity from within the United Kingdom to work with local partners in countries rich in biodiversity but poor in resources to achieve</p> <ol style="list-style-type: none"> 1. the conservation of biological diversity, 2. the sustainable use of its components, and 3. the fair and equitable sharing of benefits arising out of the utilisation of genetic resources | | | |
| <p>Purpose</p> <p>To create an orchid seed bank network across 16 countries to: (1) conserve, as seed, 250 species from diverse habitats of varying levels of endangerment; and (2) develop protocols for the production of in vitro plants in support of the sustainable use of threatened species.</p> | <p>Number of countries actively contributing to the science and sharing information</p> <p>Number of countries wishing to join network</p> | <p>DI annual reports, Bulletin Board traffic, etc.</p> <p>Correspondence</p> | <p>No breakdown in communication and trust between UK lead and the collaborating institutes leading to cancellation of MoUs.</p> <p>No institutional realignment</p> |
| <p>Outputs</p> <p>Improved 'in-country' facilities for seed storage and in vitro germination;</p> <p>Trained staff in orchid conservation biotechnology</p> <p>Data and germination protocols, and storage information;</p> <p>Training materials in Spanish, Chinese and English</p> <p>Distributed, searchable electronic database</p> <p>Advisory replies to enquiries</p> <p>Conservation collections of seeds / in vitro plants created / strengthened</p> <p>Public talks (in-country) on integrated conservation strategies and procedures</p> | <p>16 countries</p> <p>> 32 trainees (plus cascade to many more)</p> <p>250 species</p> <p>1 set of guidelines on orchid seed conservation</p> <p>1 created</p> <p>Response to enquiries within 30 days of receipt</p> <p>1 multispecies collection per institute</p> <p>At least 1 per year per institute</p> | <p>Institutional annual reports</p> <p>Attendance lists and workshops reports</p> <p>Publications and web uploads</p> <p>Refer to OSG site</p> <p>Accessible in all 16 countries</p> <p>Correspondence</p> <p>Collections databases held locally</p> <p>Posters / web site notices and head count record</p> | <p>Impact of altered institutional budgets tolerable</p> <p>Loss of trained staff from institutes minimal</p> <p>Species germination is not intractable</p> <p>Cost of any translation needs not increase prohibitively</p> <p>Interoperability between countries / software</p> <p>Filing is efficiently performed</p> <p>Created collections maintained adequately / continuity of care</p> <p>Publicity reaches the target audience</p> |

| Activities | Activity Milestones | Assumptions |
|---|---|---|
| <p>Equipment purchase</p> <p>Information consolidation and distribution</p> <p>Species seed collected and conserved, database created</p> <p>Produce in vitro plants via germination.</p> <p>Organise and run two training courses, write and distribute training materials;</p> <p>Education programme established</p> | <p>Y1: Sign MoUs (12/07); two training workshops (10-11/07); purchase equipment (10/07 – 3/08); initiate lab work (11/07); collect, clean, store and sow c. 40 orchid species (all year); establish and operate clearing house(CH) , and web site (3/08); design data base (3/08); public lectures (all year). Y2 (all year): Collect, clean, store and sow c. 90 orchid species; update database & operate CH; publications and lectures. Y3: Collect, clean, store and sow c. 90 orchid species; update database & operate CH; publications and lectures (all year); Y4: (all year): Collect, clean, store and sow c. 20 orchid species; update database & operate CH; publications and lectures; hold final workshop; issue final guidelines</p> | <p>Export of major items from UK avoided;</p> <p>Kew access to databasing and other e-literature maintained and systems compatibility globally;</p> <p>Easy access to (targeted) species / plants / seeds continues;</p> <p>Power supply remains regular and infrastructure intact;</p> <p>Sufficient staff of appropriate calibre identified and available for the courses.</p> <p>Fits institutional priorities / timelines</p> |