

DATA MANAGEMENT PLAN

0. Proposal name
<i>Proposed Commercial Forestry Development, Lochranza, Isle of Arran</i>
1. Description of the data
1.1 Type of study <i>An Ecological Impact Assessment on two proposed plots for Commercial Forestry Development.</i>
1.2 Types of data <i>Flora and Fauna Occurrence data, Sampling Event Data, Protected/Priority Species data, Invasive Species Data R Codes used for analysis and figures generation Figures for all Data QGIS Project and Map</i>
1.3 Format and scale of the data <i>Data were all in .csv format following Darwin Core and complying to FAIR principle R Codes were in .Rscript format. Figures and Maps were in .png format</i>
2. Data collection / generation
2.1 Methodologies for data collection / generation <i>Data were collected by a team of 12 on site throughout a one week Ecological survey</i>
2.2 Data quality and standards <i>Data entry were conducted together on a collaborative Google Sheet document with peer review in mind. All of the data followed Darwin Core and complied to FAIR principle.</i>
3. Data management, documentation and curation
<i>Keep this section concise and accessible to readers who are not data-management experts. Focus on principles, systems and major standards. Focus on the main kind(s) of study data. Give brief examples and avoid long lists.</i>
3.1 Managing, storing and curating data. <i>Data were all uploaded to GitHub repository (https://github.com/Hayward-Wong/Arran_EcIA_Data) for access</i>
3.2 Metadata standards and data documentation <i>All of the data followed Darwin Core and complied to FAIR principle.</i>
3.3 Data preservation strategy and standards

<p><i>Some of the metadata collected will be uploaded to online Database such as GBIF with clients' approval.</i></p>	
<p>4. Data security and confidentiality of potentially disclosive information</p>	
<p>4.1 Formal information/data security standards</p>	
<p>4.2 Main risks to data security</p>	
<p>5. Data sharing and access</p>	
<p>5.1 Suitability for sharing</p> <p><i>Yes, this data is part of an Ecological impact assessment performed by our team upon request of a private Landowner client, and the client has consented to share the data.</i></p>	
<p>5.2 Discovery by potential users of the research data</p> <p><i>This data is cataloged in a public, searchable repository with an DOI provided in our documents. We also published the data on public data base like GBIF, ensuring broad visibility within the research community.</i></p>	
<p>5.3 Governance of access</p> <p><i>Access to the datasets is governed by a clear set of protocols universally used for all of the data processed by our institute and can be obtained from our Data Management department. They also review requests for sensitive data to ensure legitimate research use.</i></p>	
<p>5.4 The study team's exclusive use of the data</p> <p><i>The study team retains exclusive use of the data for until the completion of our Ecological Impact Assessment.</i></p>	
<p>5.5 Restrictions or delays to sharing, with planned actions to limit such restrictions</p> <p><i>This data are not confidential and had no privacy concerns and is therefore not subject to any restrictions to sharing.</i></p>	
<p>5.6 Regulation of responsibilities of users</p> <p><i>Users of this data are required to use the data solely for research purposes, citing the data appropriately in all publications. Violation of these terms will result in revocation of data access and potential legal action.</i></p>	
<p>6. Responsibilities</p>	
<p><i>Apart from the PI, Our Data Management department is responsible for:</i></p> <ul style="list-style-type: none"> <i>study-wide data management</i> <i>metadata creation,</i> <i>data security</i> <i>quality assurance of data.</i> 	
<p>7. Relevant institutional, departmental or study policies on data sharing and data security</p>	
<p><i>Please complete, where such policies are (i) relevant to your study, and (ii) are in the public domain, e.g. accessible through the internet.</i></p> <p><i>Add any others that are relevant</i></p>	
Policy	URL or Reference
Data Management Policy & Procedures	

Data Security Policy	
Data Sharing Policy	
Institutional Information Policy	
Other:	
Other	
8. Author of this Data Management Plan (Name) and, if different to that of the Principal Investigator, their telephone & email contact details	
Hayward Wong	