**Conservation of a non-timber forest product species**

BID Workshop Use Case 1. Exercise Sheet.

# Exercise 1: Identifying policy entry points

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|  | **Policy Entry Point** | **Owner** | **Priority level** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
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| 8 |  |  |  |
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# Exercise 2: Stakeholder prioritization

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| **Policy Entry Point** | **Stakeholder** | **Reasons for identifying stakeholders** |
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# Exercise 3: Data Cleaning

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| **Description of the data cleaning process with justification for each step - include details of patterns that you may have noticed in the datasets (including how different institutions may have cleaned their data) and any inconsistencies in the dataset.** |
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# Exercise 4: Data Cleaning with QGIS

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| **Description of the data cleaning process with justification for each step**  Some points to consider include:  What kind of problems did you notice with the data?  Were there real errors?  Were there locations that were real (i.e. places where Truffula was actually seen) that were outside its native range? Why were they found there? |
|  |
| **Link to the result spreadsheet** |
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# Exercise 5 - Calibrating an ecological niche model - training regions

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| **Link to the result ClippedTruffulaData folder** |
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# Exercise 6 - Running an ecological niche model

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| **Link to the result .html file** |
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# Exercise 7 - Thresholding an ecological niche model

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| What is the lowest suitability score at which you have an occurrence point? |
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| What is the minimum 95% suitability score? |
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| **Link to the result** MinimumPresenceThreshold **file** |
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# Exercise 8 - Inferring future distribution under climate change

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| Are there regions within your projection layerset that appear to be more susceptible to inaccurate projections than others (Hint: look at red areas in MESS map)? How does this affect your conclusions on where suitable habitat for your species can be found in the projection region? |
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| Are there certain variables that seem to be contributing most to the uncertainty of your model projections (Hint: look at the MOD map)? What can you do to address this problem? |
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# Exercise 9 : Red Listing Key Terms and Concepts

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| **Question** | **Answer** |
| Given the information, which would be the most appropriate method to use to calculate generation length?  *For the definition and guidance on estimating generation length, see section 4.4. in the Red List Guidelines* |  |
| What information can we use to calculate reductions? Is there additional information within our dataset that can inform these calculations?  *For the definition and guidance on calculating reduction, see section 4.5 in the Red List Guidelines* |  |
| How many sub-populations of this species are there?  *For the definition and guidance on estimating the number of subpopulations, see section 4.2 in the Red List Guidelines* |  |
| Can you estimate extent of occurrence from the ecological niche model?  *For guidance see section on estimating EOO and AOO from habitat maps see 4.10.7* |  |
| How many locations are there for this species?  *For the definition and guidance on estimating location, see section 4.11 in the Red List Guidelines* |  |

# Exercise 10: Applying the IUCN Red List Criteria

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| **Criterion A: Declining population in the past or future?** |
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| **Criterion B: Small distribution, population fragmented or in few**  **locations, and continuing decline or fluctuation?** |
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| **Criterion C: Small population size and decline?** |
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| **Criterion D: Very small or restricted populations?** |
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| **Criterion E: Quantitative analysis?** |
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| **Final Assessment** |
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# Exercise 11 - Developing a mainstreaming plan

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| **Stakeholder** | **Communication Objective(s)** | **Message** | **Approach** | **Type of communication activities and channels?** | **Desired outcome** | **When?** | **Where?** | **Successes criteria** |
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