

Principles of Conservation

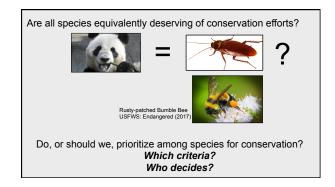
Biological diversity (species) has intrinsic value

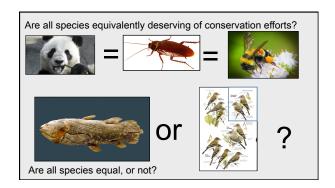
Consider:

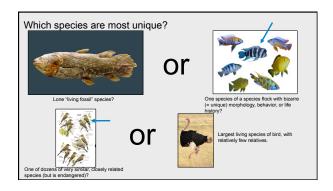
Reality of Ecological Goods & Services

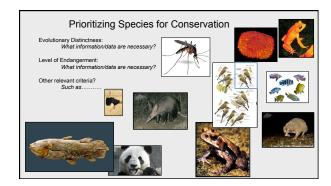
Vs.

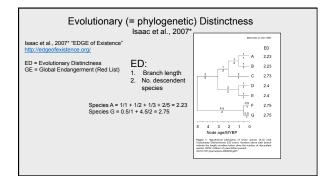
Emotional, Spiritual, Cultural Values

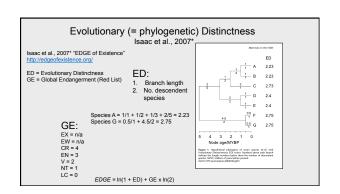


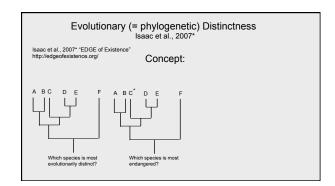


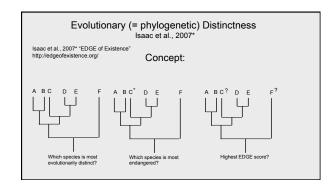




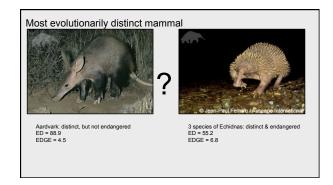


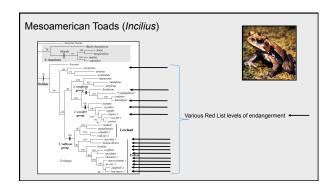


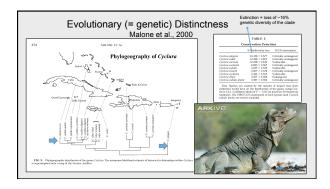




| Most evolutionarily distinct mammal | | |
|-------------------------------------|---|--|
| | ? | |
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Other Criteria for Prioritization? 10. Biological distinctiveness: Does the taxon exhibit, for example, a distinctive reproductive mode, behaviour, a spect of morphology of hypology, within the Class Amphibia? Aspect of biology identified that is unique to species? Aspect of biology shared with < 6 other species? No aspect of biology shared with < 6 other species? No aspect of biology shared by the competitional. 11. Cultural/socio-economic importance: Does the taxon have a special human cultural value (e.g., as a national or regional symbol, in a historic contest, featuring in traditional stories) or economic value (e.g., food, traditional medicine, tourism) within its natural range or in a wider global context? Yes No 12. Scientific importance: is the species vital to current or planned research other than species-specific ecology/biology/conservation? (e.g., human medicine, climate change, environmental pollutants and conservation science). Research dependent upon species? Research dependent upon species; including this species?

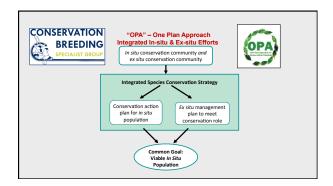




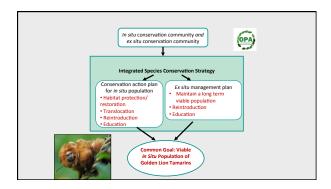
In situ Ex situ

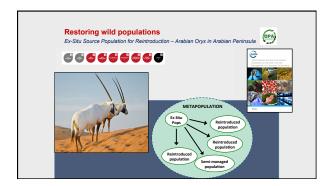












Diverse Roles of Ex Situ: Source population for reintroduction or release Rescue population in the face of severe immediate threat (e.g., disease, catastrophe) Insurance population against possible extinction in the wild (demographic and genetic backup) Head start program to increase survival Research population to benefit wild population Exhibition and education opportunities Fundraising to support in situ field conservation And more ...

