

Appendix 2. Potentials and application of the telecoupled cultural-ecological system's approach

Table A2.1 Examples of potential future applications of the telecoupled cultural-ecological system's approach

No	CES-A / CES-B	Key cultural element(s)	Key ecological element(s)	Flows of material NCPs	Flows of non-material NCPs
1	CES-A: Coastal area of Kenya, Tanzania, Mozambique	CES-A: Woodcarving tradition	CES-A: African blackwood tree (<i>Dalbergia melanoxylon</i>)	CES-A to CES-B: Blackwood (provisioning-cultural service)	CES-A: African blackwood giving identity (national tree)
	CES-B: Europe	CES-B: Crafting oboes, clarinets, and bagpipes	CES-B: Cork oak tree (<i>Quercus suber</i>)		
2	CES-A: Latin America, especially Mexico	CES-A: Indigenous traditional dyeing technique, handmade textiles	CES-A: Cochineal (<i>Dactylopius coccus</i>)	CES-A to CES-B: Cochineal (provisioning-cultural service)	CES-A: possible non-material NCP/ES for indigenous people (further research is needed)
	CES-B: Europe	CES-B: painting, handicrafts, tapestries, varnish ingredients	CES-B: other colorants for painting, handicrafts and as varnish ingredients (e.g., turpentine, shellac)		CES-A/CES-B cultural exchange on applications of cochineal as dye
3	CES-A: South and Southeast Asia (especially India and Thailand)	CES-A: traditional dye for silk cloth in Thailand	CES-A: Shellac (<i>Kerria lacca</i>)	CES-A to CES-B: shellac (provisioning-cultural service)	CES-A to CES-B: Cultural exchange of uses of shellac
	CES-B: Europe	CES-B: traditional use of varnishes of musical instruments	CES-B: other varnish ingredients (e.g., natural colorants, copal)		

4	CES-A: Colombia South Pacific region and Esmeraldas Province of Ecuador	CES-A: Marimba music, crafting of Marimba instrument	CES-A: Honduran Rosewood (<i>Dalbergia stevensonii</i>)	CES-A to CES-B: Honduran Rosewood (provisioning- cultural service)	CES-A to CES- B: Cultural exchange; music from Ecuador and Colombia (melodies and rhythms) incorporated in European music culture
	CES-B: Europe	CES-B: Crafting the Marimba, music played on the marimba	CES-B: Frame or other parts of the marimba made from European wood species		
