

T. C. ORMAN ve SU İŞLERİ BAKANLIĞI

STUDIES ON ECOSYSTEM SERVICES IN TURKEY

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EXECUTE LITERATURE

GOVERNMENTAL STUDIES

INTERNATIONAL STUDIES

Bakanlığı			LILEKALUKE	State A	GENE
	AUTHOR(S)	ECOSYSTEM TYPE(S)	ECOSYSTEM SERVICE(S)	SCALE	L MODOW 1
	Evrendilek, F., 2003	Forest	Regulating Services (Carbon Sequestration)	National	
	Croitoru, L., 2007	Forest	Provisioning services (wood forest products)	Regional	
			Provisioning services (fodder production)		
			Provisioning services (non-wood forest products)		
			Cultural services (recreation)		
			Cultural services (hunting)		
			Regulating services (watershed protection)		
			Regulating services (carbon sequestration)		
			Provisioning services (biodiversity maintenance)		
			Provisioning services (genetic materials for pharmaceuticals)		





AUTHOR(S)	ECOSYSTEM TYPE(S)	ECOSYSTEM SERVICE(S)	SCALE
Bilgic et al., 2008	Aquatic (Springs)	Regulating service (water quality)	Local
Gürlük, S. & Rehber, E., 2008	Wetlands (Lake Manyas)	Cultural services (bird watching)	Local
Bulut et al., 2010	Cities	Cultural services (aesthetic value of fruit trees and shrubs)	Local
Cisneros-Montemayor & Sumaila U.R., 2010	Marine	Cultural services (fishing, whale watching, diving)	Global
Deniz, B. & Şirin, U., 2010	Cities (Kuşadasi)	Provisioning services (ornamental plants)	Local
UNECE/FAO, 2010 EFSOS II 2010-2030	Forests	Regulating services (carbon storage projections)	European





AUTHOR(S)	ECOSYSTEM TYPE(S)	ECOSYSTEM SERVICE(S)	SCALE
A	Mountains (National park, Protected Areas)	Provisioning services	National
Avcıoğlu et al., 2011 WWF, UNDP		Regulating services	
,		Cultural services	
Belkayali, N. & Akpinar, N. 2011	Thermal spring	Cultural services (recreation and tourism)	Local
	Cultivated, Forests, Watersheds	Provisioning services projections under exposure to environmental hazards (food, water supply)	Regional
Burke et al., 2011		Regulating services projections under exposure to environmental hazards (water quality)	
		Cultural services projections under exposure to environmental hazards (tourism)	





AUTHOR(S)	ECOSYSTEM TYPE(S)	ECOSYSTEM SERVICE(S)	SCALE
Ding et al., 2011 UNEP	Forests	Regulating services (Carbon sequestration under future IPCC scenarios)	European
Remoundou et al., 2011	Marine (Black Sea)	Regulating services (water quality)	National
		Provisioning services (biodiversity maintenance)	
		Cultural services (bathing)	
Tolunay, D., 2011	Forests	Regulating services (carbon sequestration)	National
Bilgin, 2012 ISBN: 978-605-4610-02-0 MFWA	All	All (Theory)	Global

GOVERNMENTAL STUDIES

INTEGRATION OF NATURE CONSERVATION INTO ECONOMICAL SYSTEM

Three components:

- Biovaluation and Social Analysis Component:
 Pilot Study on Valuation of Sultansazligi National
 Park and Social Impact Analysis (Local)
- 2. Political Component: In search of Integration Theory
- 3. Guide Preparation Component: Draft guides are prepared and will be open to online editing in the following project before publishing final guides



GOVERNMENTAL STUDIES



- The following hypothesis is tried to be falsified: Nature conservation may have political feasibility.
- Result: Couldn't be falsified. Thus it may be possible to integrate. > How? > 216 Recommendations to Policy Makers with some overlaps, net over 100 recommendations ranging from macroeconomy to behaviorual economy, negative & positive incentive measures (notably tax and creative PES examples)



From Hypothesis To...



- If an hypothesis can't be falsified, then it should be tested as much as posssible. But where?
- In an international project to produce action plans in some countries. Developing countries should have priority due obvious reasons. Maybe East Europe.. because some of them want..

QUESTION: Where does the portion of national income of Tanzania generated by Serengeti National Park go?





- It goes to the pool of treasury as it is the case in most countries.
- ONE MACROECONOMIC SUCCESS INDICATOR: Appropriate reallocation of (nature conservation related) national income into nature conservation
- ONE BEHAVOURAL ECONOMICS SUCCESS INDICATOR:

Altering the axiology behind written and unwritten social norms



OTHER GOVERNMENTAL STUDIES



- Ecotourism by MFWA (DKMPGM, OGM), MCT, MFAL
- General Directorate of Forestry has comprehensive studies on non-wood forest products.
 - Create income for local people
 - Database of non-wood forest products
- Bioeconomy by MFAL and MFWA
- Valuation of coastal and marine carbon sequestration in Fethiye-Göcek Special Environment Protection Area by MEU



INTERNATIONAL STUDIES



Turkey;

- is deeply engaged with IPBES (Antalya Consensus, Bureau, MEP, Task forces)
- is deeply engaged with Pan-European Platform. (Steering Committee)
- is deeply engaged with European Landscape Convention of CoE (Landscape Economics Workshop in Ürgüp, 2014, Ex Vice Presidency).
- Mas started to be engaged with WB-WAVES.
- is not engaged with UNEP-TEEB, and OECD Biovaluation Studies





- Thanks...
- Questions?
- For written questions: adbilgin@ormansu.gov.tr