

APPENDIX 3

Table A3. Coding system for the systematic literature review addressing critique of the PES approach; cited literature is assigned to the main categories of the coding system and divided into publications directly identified in the literature review and further publications identified based on a snowball system.

Category	Subcategory	Identified publications	Publication identified in the literature review (L) or via snowball system (S)
Critique of the neoliberal patterns of the payments for ecosystem service approach	General critique on neoliberal conservation approaches	Fletcher 2010	S
		Büscher et al. 2012	S
		Fletcher and Büscher 2017	L
		Allen 2018	L
	Understandings of the term “neoliberalism”	Büscher et al. 2012	S
		Matulis 2013	L
		Apostolopoulou et al. 2014	L
		McElwee et al. 2014	L
		Hahn et al. 2015	L
		Matulis 2017	L
		Van Hecken et al. 2018	S
	Are PES market-based?	Cerney et al. 2005	S
		Higgins et al. 2014	L
		Wynne-Jones 2014	L
Fletcher and Büscher 2017		L	
Kolinjivadi et al. 2017		S	
Matulis 2017		L	
Critique of the monetary valuation and commodification of ecosystem services	Critique of the focus on monetary exchange values	Graeber 2001	S
		Corbera 2012	L
		McAfee 2012	L
		Kallis et al. 2013	L
		Hahn et al. 2015	L
		Kull et al. 2015	L
		Muniz and Cruz 2015	L
		Rode et al. 2015	S
		Scales 2015	L
		Allen 2018	L
		Van Hecken et al. 2018	S
Biely et al. 2018	S		

	Critique of the commodification of nature	Bakker 2003 Kosoy and Corbera 2010 Norgaard 2010 McElwee 2012 Kallis et al. 2013 Scales 2015	S S S L L L
	Critique of the applied valuation methods	Muradian et al. 2010 McAfee 2016 Lima et al. 2017	S S S
Critique regarding social and institutional aspects	Justice aspects are not paid enough attention	Kosoy and Corbera 2010 Muradian et al. 2010 Muradian et al. 2013 Muniz and Cruz 2015 Blanchard et al. 2016 Fletcher and Büscher 2017	S S S L L L
	Underlying power structures and power imbalances affect PES programs negatively	Swyngedouw 2000 Petheram and Campbell 2010 Corbera 2012 McElwee 2012 Roth and Dressler 2012 Kallis et al. 2013 Apostolopoulou et al. 2014 Cavanagh and Benjaminsen 2014 Muniz and Cruz 2015 Bétrisey et al. 2016 Matheus 2018	S S L L L L L S L L L
	Compensation logic of PES might foster existing North-South inequalities	Martínez-Alier 2002 Fairhead et al. 2012 Martínez-Alier 2014 Muniz and Cruz 2015 Van Hecken et al. 2015 Matheus 2018	S S S L L L
