Ecosystem Service	**Chemical condition of salt waters**
CICES class name	Regulation of the chemical condition of salt waters by living processes
CICES Section	Regulation & Maintenance (Biotic)
CICES Class code	2.2.5.2

Sample Indicators

Indicator values from			
Experiment or direct measurement		Survey	
Expert assessment		Statistical- or census data	
Model or GIS		Literature values	
Stakeholder participation		Not provided	

Table 1: Field Scale

Indicator	**Unit**	**Indicator values from**
[7] NO_3– loss through leaching and runoff, following cover crop or fallow period	Not provided	
[7] Dissolved P loss through leaching and runoff, following cover crop or fallow period	Not provided	
[8] Nitrate leaching prevention: nitrate concentration in drained water	mg NO_3 * liter of drained water $^{-1}$	

Table 2: Farm Scale

Indicator	**Unit**	**Indicator values from**
[3] Share of nitrogen retained during water passage between agricultural sub-catchment and sea.	%	
[3] Share of farmers that express clearly a value and care for the health of the land.	%	

Table 3: Regional Scale

Indicator	**Unit**	**Indicator values from**
[1] Phosphorus retention, calculated with InVEST model	kg * ha^{-1}	

[6] Costal nitrogen load per agricultural area in the watershed: amount of nitrogen leached from soils (and not retained) that reaches the coast, divided by the agricultural area	t * ha^{-2} * yr^{-1}	
[9] Nitrogen retention at watershed level calculated with InVEST's Nutrient Retention Model. Calculation based on nitrogen loading and vegetation filtering value for different land-use classes	t N * yr^{-1} * grid $cell^{-1}$	
[11] Leakage of nutrients	kg * ha^{-1} * yr^{-1}	
[11] Turnover rates of nutrients, e.g., N, P	kg * yr^{-1}	
[11] Total dissolved solids	mg * l^{-1}	
[11] Decomposition rate of organic matter	kg * ha^{-1}	
[2] Water purification: ecosystem service supply depends on the land cover class. The matrix defined by Burkhard et al., 2012 (DOI:10.1016/j.ecolind.2011.06.019) was and used in this study.	Index 0-5	
[3] Share of nitrogen retained during water passage between agricultural sub-catchment and sea.	%	
[3] Share of farmers that express clearly a value and care for the health of the land.	%	
[10] Mediation of water pollution such as excess nitrogen removal: expert based index for ecosystem service supply by land cover class [1-5], multiplied by the area of the land cover class [km^2]	Index 1-5 * km^{-2}	
[10] Mediation of water pollution such as excess nitrogen removal value: expert based index for ecosystem service supply by land cover class [1-5], multiplied by the area of the land cover class [km^2] and a literature-based monetary value of the ecosystem service	$ * ha^{-1} * yr^{-1}	
[11] Area occupied by riparian forests	ha	

Table 4: National Scale

Indicator	Unit	Indicator values from
[5] Indicators of groundwater quality	Not specified	

Table 5: Multinational Scale

Indicator	Unit	Indicator values from
[4] Water purification: Values for Corine land cover classes, based on values published by Burkhard et al. (2009; DOI: 10.3097/LO.200915) and modified for the context of riparian zones.	Index 0-5	

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* The ecosystem service discussed on this factsheet is not a focus of the cited paper