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| Ecosystem Service | Scientific interactions with nature |
| CICES class name | Characteristics of living systems that enable scientific investigation or the creation of traditional ecological knowledge |
| CICES Section | Cultural (Biotic) |
| CICES Class code | 3.1.2.1 |

Brief Description

- Researching nature
- The biophysical characteristics or qualities of species or ecosystems that are the subject for in situ research

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: Regional Scale

| Indicator | Unit | Indicator values from |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ^[1] Spatial mapping by stakeholders: stakeholders could place green stickers on a map to mark the supply hotspots of this ecosystem service. Red stickers were used to mark locations where the supply of this service is declining. Two different sizes of stickers were used to represent a radius of 0.75 km or 1 km, respectively. | Index 0-5 |  |
| ^[2] Number of studies conducted in the area | # |  ,  |
| ^[3] Number of monitoring sites (by scientists) | # |  |

References

| No. | Citation |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Palomo I, Martin-Lopez B, Zorrilla-Miras P, Del Amo DG, Montes C (2014) Deliberative mapping of ecosystem services within and around Donana National Park (SW Spain) in relation to land use change. Regional Environmental Change 14(1): 237-251. DOI: 10.1007/s10113-013-0488-5 |



| No. | Citation |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Adhikari S, Baral H, Nitschke CR (2018) Identification, Prioritization and Mapping of Ecosystem Services in the Panchase Mountain Ecological Region of Western Nepal. <i>Forests</i> 9(9): 554. DOI: 10.3390/f9090554 |
| 3 ¹⁹ * | Pham HV, Torresan S, Critto A, Marcomini A (2019) Alteration of freshwater ecosystem services under global change - A review focusing on the Po River basin (Italy) and the Red River basin (Vietnam). <i>Science of the Total Environment</i> 652: 1347-1365. DOI: 10.1016/j.scitotenv.2018.10.303 |

¹⁹* The impact area discussed on this factsheet is not a focus of the cited paper