**Table S2:** Pre-defined indicator development protocol\*.

|  |
| --- |
| **Indicator:** Floristic diversity |
| **Definition:** The total number of plant species and subspecies recorded weighed on the area unit. |
| **Description:** The index attributes the floristic diversity of an area as the result of the ecosystems present, land uses and the pressures on the area. Due to the very high floristic diversity of Greece, this index is very important for the identification of areas with degraded ecosystems, and therefore with limited ability to provide ecosystem services. Respectively, areas with high floristic diversity, are areas with ecosystems in good condition and provide or can potentially provide high quality provisioning services (e.g. variety of genetic resources, medicinal plants, forest products), regulating and maintenance services (e.g. variety of specialized species for pollinators) and cultural services (e.g. botanical tourism, floristic study, traditional plant uses). The existing, extensive record of the Greek flora with spatial information, for the whole country, highlights the importance of this indicator, since through the future monitoring of floristic diversity change (and patterns modifications) is feasible. |
| **Application:** Assessment of (a) ecosystems condition and (b) ecosystem services. |
|  |
| **Indicator name** |
| *Floristic diversity* |
| **Use and interpretation** |
| *Local, Regional, National* |
| **Measurement units** |
| *Number of flora species and subspecies of per km2 (area measurement unit may vary depending on larger or smaller scale studies and assessments)* |
| **Description of the data source(s)** |
| *Natura 2000 monitoring and mapping datasets, Flora of Greece project (in progress), http://portal.cybertaxonomy.org/flora-greece/content* |
| **Calculation process** |
| *Sum of unique records for each flora species and subspecies in the European reference network (1km, 10km, etc.).* |

\**Example for the indicator “Floristic diversity”*

**Table S3:** Pre-defined indicator implementation protocol.

|  |  |  |
| --- | --- | --- |
| **Indicator implementation protocol** | | |
| **Indicator name** | | |
| *……………………………………………………………………………………………………………………………………………………………* | | |
| **Responsible Coordinator**  **Agency (e.g. Ministry of Environment and Energy, Forest Service)** | *Organization and person responsible for the calculation and communication of the indicator* | |
| *……………………………………………………………………………………………….* | |
| **Use and interpretation** | | |
| *Response on key-questions* | *User(s)* | *Appropriate scale(s) / Tier(s)* |
| *………………………………………………………..* | *……………………………………………* | *…………………………………………..* |
| **Potential for aggregation)** | *Possible interpretation of increasing or decreasing trends* | |
| *…………………………………………………………………………………………………..* | |
| *Identified causes of increasing or decreasing trend* | |
| *……………………………………………………………………………………………………..* | |
| **Index changes applications on management strategies** | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Measurement units (***e.g. species/km2, number of visitors, t/ha, % change)* | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Description of the data source(s) (***source, date, units, sample size, etc.)* | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Calculation process** (provide appropriate methods) | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Index presentation** (presentation methods for scientific and communication purposes, e.g. graphs, maps, descriptions) | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Limitation (of use and accuracy)** (e.g. index based on low-quality data, slow response on changes, difficult index update process) | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Update / review of the index (Frequency, process)** | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Relevant indicators** | | |
| *………………………………………………………………………………………………………………………………………………* | | |
| **Additional information and comments** | | |
| *………………………………………………………………………………………………………………………………………………* | | |