**Table S2. Ecosystem services indicators description and evolution for its three types: provisioning, regulating and cultural.**

|  |  |  |
| --- | --- | --- |
| **Ecosystem Services** | **Indicator description** | **Indicator evolution** |
| **Provisioning** | | |
| **Nutrition** | | |
| Crops | Total production of cereals, fruits and olive |  |
| Period: 1961-2010 |
| Units: Tons |
| Source: [1] |
| Livestock | Total production of meet |  |
| Period: 1961-2010 |
| Units: Tons |
| Source: [1] |
| Aquiculture | Total production of aquiculture |  |
| Period: 1961-2010 |
| Units: Tons |
| Source: [1] |
| Wild plants and animals and their products | Number of hivebees of *Apis melifera* |  |
| Period: 1961-2008 |
| Units: Nº hivebees |
| Source: [1] |
| **Water supply** | | |
| Water for human consumption | Water harvesting for human use |  |
| Period: 1962-2007 |
| Units: m3 per inhabitant and year |
|  |
| Source: [1] |
| **Biotic materials** | | |
| Timber | Total wood production |  |
| Period: 1961-2009 |
| Units: Millions m3 |
| Source: [1] |
| Paper | Total paper pulp production |  |
| Period: 1961-2010 |
| Units: Millions tons |
| Source: [1] |
| Fibers | Total agricultural fibers production |  |
| Period: 1961-2010 |
| Units: Thousand tons |
| Source: [1] |
| **Energy** | | |
| Hydropower | Total production of hydro power |  |
| Period: 1961-2008 |
| Units: Millions tons of oil equivalent (toe) |
| Source: [2] |
| **Regulating** | | |
| **Regulation of physico-chemical environment** | | |
| Water quality regulation | Volume of wastewater treated |  |
| Period: 1990-2010 |
| Units: m3 per inhabitant and year |
| Source: [4] |
| Maintenance of soil fertility | Fertilizer consumption |  |
| Period: 1961-2007 |
| Units: kilograms per hectare of arable land |
| Source: [3] |
| **Flow regulation** | | |
| Air flow regulation | Total CO2 emissions |  |
| Period: 1961-2008 |
| Units: Millions metric tons of CO2 |
| Source: [3] |
| Water flow regulation | Damages paid by floods by insurance companies |  |
| Period: 1971-2007 |
| Units: Thousand of expedients per year |
| Source: [5] |
| **Regulation of biotic environment** | | |
| Biological control mechanisms | Number of invasive alien plants |  |
| Period: 1961-2003 |
| Units: number of invasive alien plants |
| Source: [6] |
| **Regulation against hazards** | | |
| Lifecycles maintenance | Number of forest fires |  |
| Period: 1961-2008 |
| Units: Thousands of forest fires per year |
| Source: [4] |
| **Cultural** | | |
| **Symbolic** | | |
| Recreational and spiritual values | Number of pilgrims to Santiago |  |
| Period: 1970-2008 |
| Units: Thousands of pilgrims |
| Source: [8] |
| **Experiential** | | |
| Recreation and community activities | Number of visitors to protected areas |  |
| Period:1976-2009 |
| Units: Visitors to protected areas |
| Source: [9] |
| **Information & knowledge** | | |
| Environmental education | Number of equipment for environmental education |  |
| Period: 1983-2005 |
| Units: Number of equipments |
| Source: [4] |
| Local ecological knowledge | Traditional cork production |  |
| Period: 1969-1998 |
| Units: Thousands of m3 |
| Source: [4] |
| Local ecological knowledge | Number of sheeps in transhumance |  |
| Period: 1961-2009 |
| Units: number of sheeps |
|  |
| Source: [4] |

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