**Table S6 Interaction of ecosystem services in the Aral Sea Basins**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlation** | **Food production** | **Raw material** | **Gas regulation** | **Climate regulation** | **Water regulation** | **Soil-formation retention** | **Waste-treatment** | **Biodiversity** | **Recreation, cultural and tourism** |
| Food production | 1.00 | .958\*\* | .865\*\* | .868\*\* | -.896\*\* | .846\*\* | -.884\*\* | .917\*\* | -.801\*\* |
| Raw material | .958\*\* | 1.00 | .707\*\* | .745\*\* | -.781\*\* | .933\*\* | -.762\*\* | .788\*\* | -.758\*\* |
| Gas regulation | .865\*\* | .707\*\* | 1.00 | .966\*\* | -.922\*\* | .473\*\* | -.924\*\* | .992\*\* | -.641\*\* |
| Climate regulation | .868\*\* | .745\*\* | .966\*\* | 1.00 | -.940\*\* | .530\*\* | -.941\*\* | .969\*\* | -.649\*\* |
| Water regulation | -.896\*\* | -.781\*\* | -.922\*\* | -.940\*\* | 1.00 | -.654\*\* | 1.000\*\* | -.935\*\* | .863\*\* |
| Soil-formation retention | .846\*\* | .933\*\* | .473\*\* | .530\*\* | -.654\*\* | 1.00 | -.632\*\* | \*\*.571\*\* | -.803\*\* |
| Waste-treatment | -.884\*\* | -.762\*\* | -.924\*\* | -.941\*\* | 1.000\*\* | -.632\*\* | 1.00 | -.934\*\* | .855\*\* |
| Biodiversity | .917\*\* | .788\*\* | .992\*\* | .969\*\* | -.935\*\* | .571\*\* | -.934\*\* | 1.00 | -.684\*\* |
| Recreation, cultural and tourism | -.801\*\* | -.758\*\* | -.641\*\* | -.649\*\* | .863\*\* | -.803\*\* | .855\*\* | -.684\*\* | 1.00 |

\*\*P < 0.01; \*p <0.05