**Supplementary Material**

**Low-cost environmental sensor networks: recent advances and future directions**

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**Table S1**. List of the Web of Science categories used to filter the initial pool of literature.

|  |  |  |
| --- | --- | --- |
| Web of Science categories | | |
| Environmental Sciences | Oceanography | Limnology |
| Meteorology Atmospheric Sciences | Environmental Studies | Soil Science |
| Green Sustainable Science Technology | Geochemistry Geophysics | Biodiversity Conservation |
| Geography Physical | Agronomy | Biology |
| Water Resources | Engineering Geological | Geology |
| Agriculture Multidisciplinary | Ecology |  |
| Geosciences Multidisciplinary | Forestry |  |
| Multidisciplinary Sciences | Geography |  |

**Table S2**. Data collated for each paper with the hypothesis each data grouping addressed highlighted in the column headers.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| General information | Study system (H1) | Sensor/ data collection (H2) | Stakeholder involvement  (H3) | Sustainability and context (H4) |
| Year of publication | Atmosphere | Sensor mobility | Single stakeholder | Long-term operating mechanisms and societal impact   * Considered * Not considered |
| Study country | Hydrosphere | Data transmission | Multiple stakeholders |
| Paper type   * Case study * Review/ conceptual | Earth system (e.g. soils, seismic activity) | Data processing | Citizen science |
| Ecosystem (e.g. livestock, forest etc) | Data accessibility |  |
| Indoor environment |  |  |