Metadata – Fish and decapod crustacean species observations

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| **Metadata field** | **Content** |
| **Abstract** | Kalahavainnot.fi observations data |
| **Data provider organization name** | Natural Resources Institute Finland |
| **Data provider organization contact** | [mikko.olin@luke.fi](mailto:mikko.olin@luke.fi) / sanna.kuningas@luke.fi |
| **Lineage** | Kalahavainnot.fi (fish and crab observations) data including citizen science fish and crab observations from Finnish Baltic Sea. Observations are verified by experts in the Natural Resources Institute Finland. Data also includes observation records from varying monitoring and inventory work by different institutions/experts. However, not systematically collected. |
| **URL of downloadable resource** | https://kalahavainnot.luke.fi/ |
| **Temporal extent** | 01.01.2000 |
| 26.05.2024 |
| **Legal constraints** | Data can be used freely given that the source is cited (following creative commons license [CC-BY](https://creativecommons.org/licenses/by/4.0/)). The source should be cited as: “Natural Resources Institute Finland: Kalahavainnot.fi”. |
| **Limitations on public access** | No |

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| **Used methods** | Kalahavainnot.fi data includes citizen science point observations (presence) of fish species. Observations are verified by experts in Natural Resources Institute Finland.    Fig. Areal extent of the kalahavainnot.fi\_Luke data. |

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| **List those attributes with descriptions and values which were not available in reporting\_template** | | |
| **Attribute** | **Description** | **List of possible values** |
| origin\_id | Unique id for each record. | e.g. 32325 |
| date\_start | The date of the recorded observation. Day, month, and year of observation. E.g. in format DD/MM/YYYY | e.g. 01/01/2000 |
| date\_end | The last day when observed during period of multiple days. |  |
| scien\_name | *scientific\_name.* The scientific name of the species observed | e.g. Osmerus eperlanus |
| life\_stage | Life stage of the individual. | e.g. Juvenile |
| length | Length of the individual in used unit. Used unit must be documented. | e.g. 38 |
| weight | Weight of the individual in used unit. Used unit must be documented. | e.g. 43.2 |
| quantity | Numerical value of the measured quantity | e.g. 30 |
| q\_unity | *quantity\_unit*. The unit of species' quantity. | individuals |
| gear\_type | Method of observation data collection. | e.g. Visual survey |
| fishing\_a | Fishing area in square meters (m²) | NA |
| soak\_time | Time of fishing gear in the water in hours (h) | NA |
| effort | Catch per unit effort. E.g. weight/quantity per unit area per unit time. Used measure must be explained in metadata. | NA |
| start\_lat | *start\_decimal\_latitude.* Observation location geographical latitude (WGS84, decimal degrees). When transect used this is the latitude of the start of the line. | e.g. 63.30275 |
| start\_long | *start\_decimal\_longitude.* Observation location geographical longitude (WGS84, decimal degrees). When transect used this is the longitude of the start of the line. | e.g. 21.431377 |
| end\_lat | *end\_decimal\_latitude*. When transect used this is the latitude of the end of the line. | NA |
| end\_long | *end\_decimal\_longitude*. When transect used this is the longitude of the end of the line. | NA |
| time\_utc | Time of observation hh:mm:ss UTC | NA |
| depth | *water\_depth.* Depth at site of observation in meters. | NA |
| temp\_c | Measured water temperature in Celsius degrees. | NA |
| notes | Free text field for possible additional information on observation | NA |
| citation | Specific citation for the dataset | NA |
| restr | *restriction.* Yes/no: whether any information is restricted for this observation. | NA |
| restr\_desc | *restriction\_description*. If restriction is yes, reason why data cannot be shared freely. | NA |
| dataset | The name of the dataset. Added by HELCOM. | Luke\_merialueen\_kalahavainnot.fi observations\_2000 |
| place | Added by HELCOM. Empty column added in case the dataset requires to be merged with the other received FI dataset: Luke\_Gillnet\_observation | NA |
| species\_fk | Foreign key from original dataset | e.g. 38 |
| species\_fi | Scientific name in Finnish | e.g. Kuore |
| count\_qual | ?? | accurate |
| gear\_other | Other type of gears or methods | e.g. diving |