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## Date: 17/11/2020

## **Assignment: Entity datatype and applicable GIS operations**

In the table below, put ‘X’ in a cell if the GIS operation can be meaningfully applied on the corresponding entity type. Submit the completed table in a separate Word document.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Intersection | Raster layer zonal statistics | Zonal statistics | Interpolation |
| Event |  |  |  |  |
| Track | X |  |  | X |
| Contour | x |  |  |  |
| Patch |  | x | x | x |
| Coverage |  | x | x | x |
| Field Raster |  | x | x |  |
| Point Measures |  |  |  | x |
| Line Measures | x |  |  |  |
| Object |  |  |  |  |
| Lattice |  |  | x |  |
| Amount |  | x | x |  |
| Network |  | x | x |  |

Reasons WHY or WHYNOT:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Intersection | Raster layer zonal statistics | Zonal statistics | Interpolation |
| Event | *Each event is an independent object, so there is no meaningful correspondence.* |  |  |  |
| Track | Different tracks can have some points of connection, p.e common places that migration from a different bird species |  |  | Prevent new tracks, as some variables changed over time. |
| Contour |  |  |  |  |
| Patch |  |  |  |  |
| Coverage |  |  |  |  |
| Field Raster |  |  |  |  |
| Point Measures |  |  |  |  |
| Line Measures |  |  |  |  |
| Object |  |  |  |  |
| Lattice |  |  |  |  |
| Amount |  |  |  |  |
| Network |  |  |  |  |