Model Entry form

|  |  |
| --- | --- |
| ***General Information*** | |
| Acronym of the model: |  |
| Full name of the model: |  |
| Type of model: | ☐Hydrodynamic  ☐Whole Ecosystem  ☐Subpart of Ecosystem |
| Supported platforms: | Windows ☐  Mac ☐  Linux ☐ |
| Programming languages: |  |
| Still maintained: | ☐ Yes, by ….. ☐ No |
| Most recent version |  |
| ***Model structure*** | |
| ☐ Needs compilation ☐ Executables are available | |
| ☐ 0D ☐ 1D ☐ 2D (horizontal) ☐ 2D (vertical) ☐ 3D | |
| ☐ Lagrangian ☐ Eulerian Other: | |
| ☐ Mass balance included | |
| ***Model description*** | |
| Model Objective: |  |
| Specific application:  *(Please include example(s))* |  |
| Background knowledge needed to run model: |  |
| Basic procedures:  (*Describe the procedure step-by-step*) |  |
| *Here you can add a more detailed description of the model here (up to 250 words)*: | |
| Link to website(s) and/or manual: |  |
| ***Model characteristics*** | |
| Input variables: | *Obligatory*: |
| *Optional*: |
| Input file format: | ASCII ☐  .netcdf ☐  .csv ☐  .xls ☐  Other, namely: |
| Output variables: |  |
| Output file format | ASCII ☐  .netcdf ☐  .csv ☐  .xls ☐  Other, namely: |
| Biogeochemical model components:  (*Which nutrients, phytoplankton, zooplankton, etc., including number of different groups*) |  |
| Model structure/mathematical framework (e.g., ODE, PDE, empirical model,...) |  |
| Temporal resolution:  (*minimal and maximal)* |  |
| Minimal spatial resolution: |  |
| Variables needing calibration: |  |
| Has successfully been used in:  (*e.g. Climate change scenarios, lake management support, etc. Please provide a reference*) | |
| ☐ Climate Change Scenario |  |
| ☐ Shallow Lake/Reservoir |  |
| ☐ Deep Lake/Reservoir |  |
| ☐ Oligotrophic Water |  |
| ☐ Mesotrophic Water |  |
| ☐ Eutrophic Water |  |
| ☐ Ocean |  |
| ☐ Management Support |  |
| ☐ ... |  |
| Countries in which the model has been applied |  |
| Which Institutes have applied the model |  |
| Has coding for: | |
| ☐ Ice dynamics ☐ Sediment heat flux  ☐ Sediment dynamics ☐ ...  ☐ Internal waves ☐ ... | |
| ***Accessibility*** | |
| ☐ Open-Source ☐ Open-to-Use ☐ Licensed | |
| ☐ Prompt-based ☐ GUI | |
| ☐ Test cases available | |
| Available tools for pre- and post-processing: |  |
| Support:  (*Community forum, mailing list, “help”-manual, contact, etc.)* |  |
| Can be coupled to the following models: |  |
| How can someone get access to this model:  (*Please provide a URL or contact person*) |  |
| ***Miscellaneous*** | |
| *Comments (things not covered by the form):* | |
| *Useful tricks and hints for other users (on handling input files, running the model, numerics,...):* | |
| Links (*Please add links to the model’s developer’s website and the model’s resources, like forums, manuals, support, contact,...*): | |
| *Reference list (Please add several references in which the model has been applied*): | |
| Form was updated (YYYY-MM-DD) |  |