Model Entry form

| ***General Information*** | |
|---|---|
| Acronym of the model: | |
| Full name of the model: | |
| Model components: | ☐Hydrodynamics<br>☐Chemistry<br>☐Biology |
| Supported platforms: | Windows ☐<br>Mac ☐<br>Linux ☐ |
| Programming languages: | |
| Still maintained: | ☐Yes, by: ☐ No |
| Most recent version | |
| ***Model Structure and Spatial Domain*** | |
| ☐ Needs compilation ☐ Executables are available | |
| ☐ 0D ☐ 1D ☐ 2D (horizontal) ☐ 2D (vertical) ☐ 3D | |
| ☐ Flexible grid ☐ Fixed grid Other: | |
| ☐ Mass balance included ☐ Catchment model | |
| ***Model Description*** | |
| Model Objective: | |
| Specific application:<br>*(Please include example(s))* | |
| Background knowledge needed to run model: | |
| Basic procedures:<br>(*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 ☐<br>.netcdf ☐<br>.csv ☐<br>.xls ☐<br>Other, namely: |
| Output variables: | |
| Output file format | ASCII ☐<br>.netcdf ☐<br>.csv ☐<br>.xls ☐<br>Other, namely: |
| Biogeochemical model components:<br>(*Which nutrients, phytoplankton, zooplankton, etc., including number of different groups*) | |
| Model structure/mathematical framework (e.g., ODE, PDE, empirical model,...) | |
| Temporal resolution:<br>(*minimal and maximal)* | |
| Minimal spatial resolution: | |
| Variables needing calibration: | |
| Has successfully been used in:<br>(*e.g. Climate change scenarios, lake management support, etc. Please provide a reference*) | |
| ☐ Climate Change Scenario | |
| ☐ Shallow Lake/Reservoir | |
| ☐ Deep Lake/Reservoir | |

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| ☐ 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 | | |

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|---|---|
| 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,...*): |

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| *Reference list (Please add several references in which the model has been applied*): |

| | |
|---|---|
| Form was updated (YYYY-MM-DD) | |

| | |
|---|---|
| Please tick this box if we can acknowledge your contribution on the wiki. Your name would be placed on the "List of Contributors" tab of the wiki. | ☐ |