

Les modèles biologiques

Généralités

Le logiciel contient une base de donnée de modèles biologiques d'un grand nombre d'espèces piscicoles.

The screenshot displays the HABBY 0.26 software interface. On the left, the 'Explorateur de modèles biologiques' (Biological Model Explorer) is open, showing a list of available models for *Barbus barbus*. The selected model is 'Barbus barbus - juvenile - BAF01'. Below the list, the 'Habitat Suitability Index information' is displayed, including the Latin name, ONEMA code, and a description of the data source. A button 'Afficher les courbes de préférences' (Show preference curves) is visible.

On the right, the 'HSI : Barbus barbus - juvenile - BAF01' window shows three graphs illustrating the habitat suitability index (HSI) for this model:

- Top Graph:** HSI vs. Hauteur d'eau [m]. The HSI starts at 0.0 at 0.0m, rises to a peak of 1.0 at approximately 0.6m, and then remains constant at 0.5 for higher water depths up to 3.0m.
- Middle Graph:** HSI vs. Velocity [m/s]. The HSI starts at 0.0 at 0.0 m/s, rises to a peak of 1.0 at 1.0 m/s, and then gradually decreases to 0.0 at 3.0 m/s.
- Bottom Graph:** HSI vs. Substrat Dominant [Cemagref]. The HSI is 0.0 for substrates 1-4, increases to approximately 0.4 for substrate 5, 0.5 for substrate 6, peaks at 1.0 for substrate 7, and decreases to approximately 0.6 for substrate 8.

At the bottom of the interface, there are buttons for 'Valider les modèles sélectionnés' (Validate selected models) and 'Fermer' (Close). A 'run' button is also visible on the right side of the HSI window.

Ajout de modèle supplémentaires

L'utilisateur a la possibilité d'ajouter ses propres modèles biologiques sous la forme de fichiers .xml dans le répertoire :

“C:\Users\USERNAME\AppData\Local\INRAE_EDF_OFB\HABBY\user_settings\biology\user_models”

Ces fichiers .xml doivent respecter la norme HABBY. Cette dernière est décrite dans [le manuel de référence](#).

From:

<https://habby.wiki.inrae.fr/> - **HABBY**

Permanent link:

https://habby.wiki.inrae.fr/doku.php?id=fr:manuel_reference:modeles_biologiques&rev=1620134059

Last update: **2021/05/04 15:14**

