

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. The main window shows the 'Explorateur de modèles biologiques' (Biological Models Explorer) with a list of available models. The selected model is 'Barbus barbus - juvenile - BAF01'. Below the list, there is a section for 'Habitat Suitability Index information' for this species, including its Latin name, ONEMA code, and a description of the data source. A button 'Afficher les courbes de préférences' (Show preference curves) is visible, which leads to the 'HSI : Barbus barbus - juvenile - BAF01' window.

The 'HSI : Barbus barbus - juvenile - BAF01' window contains three graphs showing the Habitat Suitability Index (HSI) for this species across different environmental parameters:

- Top Graph:** HSI vs. Hauteur d'eau [m]. The HSI starts at 0.0 for 0.0m, rises to approximately 0.8 at 0.5m, peaks at 1.0 at 0.7m, and then remains constant at 0.5 for higher water levels up to 3.0m.
- Middle Graph:** HSI vs. Velocity [m/s]. The HSI starts at 0.0 for 0.0 m/s, rises to approximately 0.8 at 0.5 m/s, peaks at 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.

The interface also includes a 'run' button and a 'Fermer' (Close) button. A small image of a fish is shown in the bottom right corner 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](#).

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