

# Distribution et Abondance des Macroinvertébrés Benthiques en Fonction des Paramètres Fluviaux au Québec : Une Étude Écologique

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**Introduction.** Dans le cadre des efforts continus pour comprendre et préserver la qualité des écosystèmes aquatiques au Québec, le ministère de l'Environnement, de la Lutte contre les Changements Climatiques, de la Faune et des Parcs (MELCCFP) a entrepris une série d'inventaires du benthos. Ces inventaires fournissent des données précieuses sur la distribution et l'abondance des macroinvertébrés benthiques, des indicateurs clés de la santé écologique des rivières. Utilisant un filet à mailles fines (D-net), les équipes du MELCCFP réalisent des prélèvements standardisés sur un effort d'échantillonnage de 3m<sup>2</sup>, effectuant trois passages par site pour maximiser la représentativité des données.

Les échantillons récoltés sont ensuite analysés en laboratoire. Sur des plateaux de tri, les espèces sont identifiées et dénombrées, bien que seulement une fraction de chaque échantillon soit étudiée pour estimer l'abondance globale. Cette méthodologie permet de recueillir des informations précises sur les populations de macroinvertébrés, qui sont ensuite reliées à divers paramètres physico-chimiques des sites d'échantillonnage, tels que la largeur et la profondeur de la rivière, la vitesse du courant, la transparence et la température de l'eau.

Cette étude scientifique vise à analyser comment ces variables influencent la distribution et la densité des communautés benthiques. Par exemple, la transparence de l'eau, qui peut refléter la concentration de matières en suspension, est un facteur potentiellement crucial, tout comme la température, qui influence directement le métabolisme des organismes aquatiques. Les résultats de cette recherche fourniront non seulement une meilleure compréhension des écosystèmes fluviaux du Québec mais aussi des données essentielles pour la gestion durable et la conservation des ressources aquatiques de la province.

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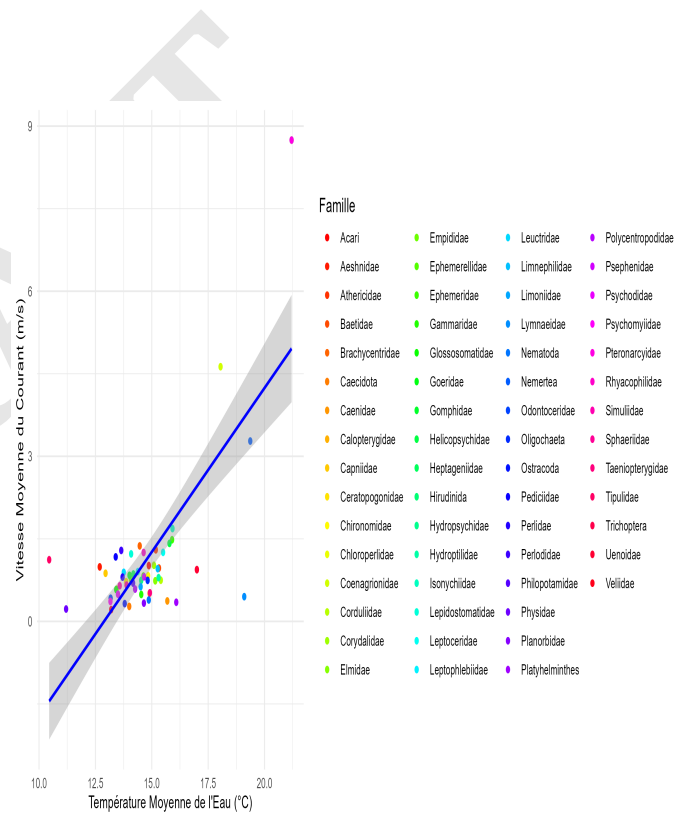


Fig. 1. Légende figure.

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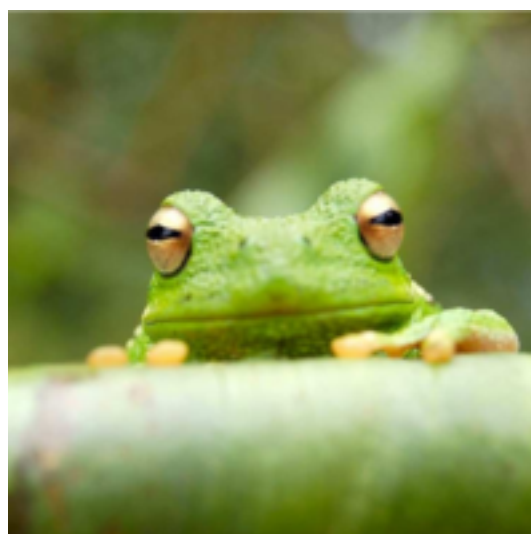
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**Fig. 2.** Placeholder image of a frog with a long example caption to show justification setting.

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*fig : frog*

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