

# Conception et développement d'un système d'aide à la décision pour la prévision en temps réel des catastrophes des inondations

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## Résumé

La prévision des crues et le contrôle du débit et du niveau d'eau sur la surface de la terre est très critique pour réduire les impacts, tandis que l'incidence des inondations. L'utilisation du modèle de prévision des crues nécessite la gestion d'un nombre énorme de données spatiales, ce qui implique l'acquisition des données, puis le stockage et le traitement, ensuite la manipulation, pour signaler et pour affichage les résultats.

Alors, il est très nécessaire de développer et de mettre en œuvre un système d'aide à la décision intelligent, pour stimuler l'échange d'informations et le partage de communications entre les différents modules du système.

Dans cet article, nous proposons un système d'aide à la décision DSS pour la prévision et pour l'alerte des inondations en temps réel basé sur les conditions historiques hydrologiques, les informations géographiques (SIG), les informations des précipitations et les conditions hydrologiques en temps réel pour faire des simulations afin de prévoir avant l'impact des inondations.

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