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Glossaire

Sigles et acronymes

Références bibliographiques





## Glossaire

**Accrétion** : Accumulation de sédiments.

**Ajustement d'un cours d'eau** : Modification de la forme d'un tronçon fluvial sous l'effet d'un changement de facteurs de contrôles externes (débit solide ou liquide) ou interne (colonisation végétale).

**Barrage** : Obstacle artificiel au moyen duquel on crée une retenue d'eau, généralement en coupant un cours d'eau.

**Diversité alpha** : Nombre d'espèces présentes dans un habitat uniforme de taille fixe à un temps donné. Elle correspond à la diversité à l'échelle locale (par exemple station, maille, ...).

**Diversité bêta** : Taux de variation de la composition en espèces entre différentes localités (stations, mailles,...) au sein d'une zone géographique donnée.

**Diversité gamma** : Nombre d'espèces présentes dans une aire géographique large. Elle correspond donc à la diversité à l'échelle régionale et dépend à la fois de la diversité alpha (le nombre moyen d'espèces à l'échelle d'une localité) et de la diversité bêta (la variation des espèces rencontrées entre les différentes localités de la région).

**Charge de fond** : Sédiments grossiers constitutifs du lit d'un cours d'eau et dont le transport se produit par roulage ou charriage des particules sur le fond du lit.

**Eddy Covariance** : Mesure de l'évaporation par mesure des flux turbulents verticaux au niveau de la surface évaporatoire.

**Étang** : Étendue d'eau stagnante, naturelle ou artificielle, généralement de dimensions et de profondeur plus faibles qu'un lac.

**Évapotranspiration potentielle** : Définie par « l'évaporation d'une pelouse rase suffisamment étendue, en bon état et convenablement alimentée en eau ». L'évapotranspiration réelle est la quantité d'eau transférée vers l'atmosphère, par l'évaporation au niveau du sol et par la transpiration des plantes. L'évapotranspiration réelle est la quantité d'eau effectivement évapotranspirée, compte tenu du couvert végétal et de la quantité d'eau disponible, par opposition à l'évapotranspiration potentielle.

**Exhaussement** : Elévation topographique du fond du chenal ou de la plaine alluviale sous l'effet du dépôt de sédiments.

**Fitness (ou valeur sélective)** : Capacité d'un organisme et par extension d'une population) à maintenir sa biomasse sur plusieurs générations. Elle permet par exemple de mesurer le succès reproducteur d'un génotype d'après ses variations de fréquence dans une population d'une génération à l'autre.

**Hydrochorie** : Modes de dispersion des graines des végétaux ou des diaspores se faisant grâce à l'eau.

**Hydropériode** : Patron saisonnier des niveaux d'eau dans une zone humide. Elle décrit principalement la période au cours de laquelle un milieu humide est couvert d'eau.

**Incision** : Abaissement topographique du fond du chenal ou du fond de vallée sous l'effet de l'ablation de sédiments.

**Limnophiles** : Organismes qui affectionnent les eaux calmes ou stagnantes.

**Lithophiles** : Organismes qui pondent leurs œufs sur un substrat minéral de type galets / graviers.

**Mare** : Milieu aquatique stagnant généralement peu étendu et peu profond, avec une végétation bien développée résultant d'une richesse en matière organique.

**Métacommunauté** : Ensemble de communautés locales contenues dans une région biogéographique étendue, susceptibles d'échanger des espèces à une échelle régionale. Autrement dit, une métacommunauté intègre l'ensemble des métapopulations présentes dans un paysage donné.

**Métapopulation** : Concept écologique qui définit un ensemble de populations d'individus d'une même espèce séparées spatialement ou temporellement et étant interconnectées par la dispersion.

**Pan-évaporation ou évaporation sur des bacs de classe A** : Évaporation d'un volume d'eau soumis uniquement aux contraintes météorologiques locales. Cette évaporation se distingue donc d'une évapotranspiration potentielle (ETP) qui correspond à l'évapotranspiration d'un sol couvert de gazon non limité par l'eau. La norme pour mesurer la pan-évaporation est d'utiliser des bacs de classe A. Bien qu'il s'agisse d'une mesure d'évaporation en eau libre, la pan-évaporation se distingue de l'évaporation d'une retenue car les paramètres micrométéorologiques sont influencés par l'environnement immédiat du bac.

**Plan d'eau** : Toute surface en eau lenticule, d'origine naturelle ou anthropique.

**Psychrophile** : Organismes dont la distribution spatiale est limitée par les températures élevées. Leur température optimale de croissance est inférieure à 20°C (parfois 15°C pour les macroinvertébrés benthiques).

**Q10, Q90** : **Q10** : Débit dépassé 10 % du temps ;

**Q90** : débit dépassé 90 % du temps.

**Réserve** : Retenue d'eau d'origine artificielle, construite en dehors du cours d'eau et alimentée par pompage dans la nappe ou la rivière.

**Retenue** : Toute surface en eau lentique, d'origine anthropique.

**Rétraction** : Diminution de la largeur du lit mineur (ou de la bande active) d'un cours d'eau.

**Rhéophile** : Organismes qui affectionnent les habitats soumis à des vitesses de courant élevées.

**Richesse, ou richesse spécifique** : désigne le nombre d'espèces présentes dans un milieu donné. Mesure la plus simple de la biodiversité de tout ou partie d'un écosystème.

**Scintillométrie** : Technique de mesure de l'évapotranspiration par détermination du flux de chaleur latente, basée sur la scintillation d'un faisceau électromagnétique passant à travers l'atmosphère.

**Structure taxonomique** (ou structure spécifique si on examine la structure d'une communauté décrite de manière

homogène au niveau « espèce ») : désigne une organisation numérique du peuplement. Celle-ci traduit un type d'organisation biologique, qui a des implications écologiques en termes de fonctionnement ou de nature des interactions.

**Thermophiles** : Organismes ayant besoin d'une température élevée pour se développer.

**VCN3, VNCx** : Débit minimal ou débit d'étiage enregistré pendant 3 (ou x) jours consécutifs.

## Sigles et acronymes

**ASPT** : Average Score Per Taxon

**BRGM** : Bureau de recherches géologiques et minières

**BV** : Bassin versant

**CACG** : Compagnie d'aménagement des coteaux de Gascogne

**CAMS** : Catchment Abstraction Management Strategy

**CEAM** : Cumulated Effect Assessment and Management

**CEC** : Cumulative Environmental Change

**CEQ** : Council on Environmental Quality

**CLE** : Commission locale de l'eau

**COD** : Carbone organique dissous

**DCE** : Directive cadre sur l'eau

**DD** : Discontinuity Distance

**DE** : Discriminatory Efficiency

**DEB** : Direction de l'eau et de la biodiversité

**DMB** : Débit minimum biologique

**DOE** : Débit d'objectif d'étiage

**DDT** : Direction départementale des territoires

**DMF** : Decision Making Framework

**DREAL** : Direction régionale de l'environnement, de l'aménagement et du logement

**ETM** : Éléments traces métalliques

**EPT** : Éphéméroptères, plécoptères, trichoptères

**ESCo** : Expertise scientifique collective

**ETP** : Évapotranspiration potentielle

**EVHA** : Évaluation de l'habitat

**GES** : Gaz à effet de serre

**I2M2** : Indice invertébré multimétrique | **IBD** : Indice biologique diatomées

**Inra** : Institut national de la recherche agronomique

**IPR** : Indice poissons rivière

**Irstea** : Institut de recherche en sciences et technologies pour l'environnement et l'agriculture

**LEMA** : Loi sur l'eau et les milieux aquatiques

**MEEM** : Ministère de l'Environnement, de l'Énergie et de la Mer

**MES** : Matières en suspension

**MNT** : Modèle numérique de terrain

**MO** : Matière organique

**Onema** : Office national de l'eau et des milieux aquatiques

**OUGC** : Organisme unique de gestion collective

**PI** : Intensité de la perturbation

**RCC** : River Continuum Concept

**SAGE** : Schéma d'aménagement et de gestion des eaux

**SDAGE** : Schéma directeurs d'aménagement et de gestion des eaux

**SDC** : Serial Discontinuity Concept

**SIG** : Système d'information géographique

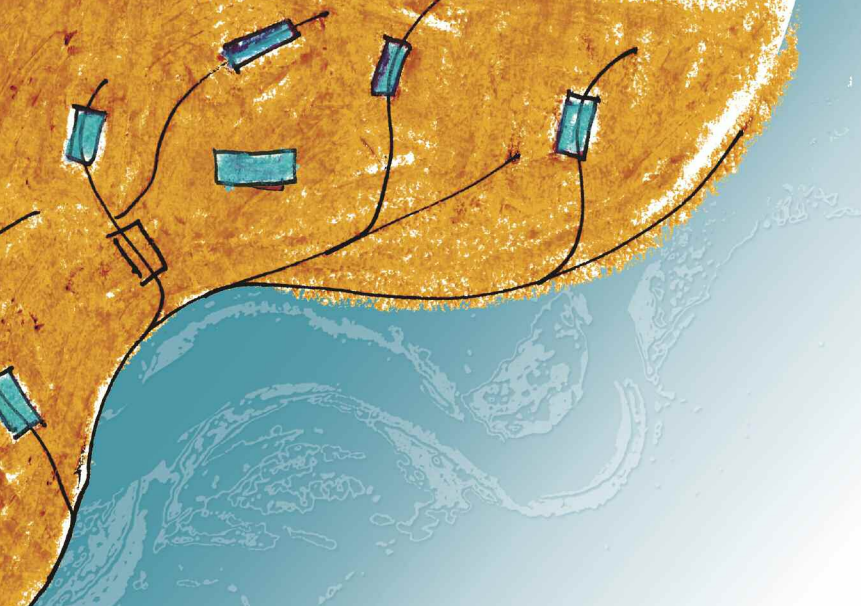
**SRP** : Soluble Reactive P

**SYRAH-CE** : Système relationnel d'audit de l'hydromorphologie des cours d'eau

**VCN** : Débit minimal sur N jours consécutifs

**ZRE** : Zone de répartition des eaux





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## **Chapitre 4. Effets cumulés des retenues sur l'hydrologie**

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## Chapitre 5. Effets cumulés des retenues sur le transport sédimentaire et l'hydromorphologie des cours d'eau

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## Chapitre 6. Effets cumulés des retenues sur les caractéristiques physico-chimiques des cours d'eau

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## Chapitre 7. Effets cumulés des retenues sur le compartiment biologique du cours d'eau et de son bassin versant

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