

Floodplain Biodiversity And Restoration 2: Integrated natural science and socio-economic approaches to catchment flow management (FLOBAR 2)¹.

FLOBAR

The Flooded Forest: Guidance on restoring floodplain woodlands for policy makers and river managers in Europe

European Floodplain Vegetation & Management

Database of **bibliographic** references for river managers



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Introduction

This long but non-exhaustive list puts together references of scientific books, reports, thesis, papers and other academic works which could be useful to understand organisation, dynamics patterns and historical changes in vegetation over the main European floodplains.

It must be considered as a tool allowing to give us information concerning:

- "natural" floodplain communities (old publications describing vegetation along poorly disturbed sections) ;

- the vegetation changes, both old and recent (description of land covers in relation to various human actions causing perturbations in the dispersion of water-, energy-, materials- and, species- fluxes over floodplains;

- the restoration of floodplain communities and particularly floodplain forests.

This list essentially deals with the four alpine rivers, i.e. Danube, Rhine, Rhone, Po and tributaries. Each large hydrosystems is divided in three (lower, middle and upper) or more sections.

Concerning the French piedmont hydrosystems, the Pyrenean rivers (Garonne and Adour) have been also documented; furthermore, some interesting publications about the rivers Seine, Somme and Meuse are also listed while a large bank-data concerning the Loire river has been put to our disposal by Thierry CORNIER

Concerning other piedmont-rivers, interesting references have been collected for North-Eastern rivers such as Ems, Weser, Elbe (=Labe), Oder (Odra) and Vistule (=Wisla); their main tributaries (Aller, Moldau, Warta, Bug..) have been also documented. In addition, information concerning minor streams flowing from Italian Alps (Adige, Piave, Tagliamento...) or Appennino ranges (Arno, Ombronno, Tevere, ...) have been recorded. Concerning the other mediterranean countries, some major references dealing with iberic floodplains (Ebro, Tagus, Douro...) are proposed; the present works does not give references on Greece.

References concerning floodplains of British Islands and Fennoscandia are not recorded in the present data-bank which could be usefully completed by our colleagues of Cambridge and Umea universities.

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This data-bank has been constituted during the two past decades. It is partly the result of beneficial information, references and ideas exchanged within a multidisciplinary formal network of scientists working about European hydrosystems. More particularly I must thank:

- for the hydrosystem Rhone:

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- for the hydrosystem Rhine:

R. Carbiener, M. Trémolières & J.-P. Klein (Université Louis Pasteur & C.N.R.S. Strasbourg), A. Schnitzler (Université Metz); C. Guénat & F. Bureau (Ecole Polytechnique Fédérale Lausanne), J.-M. Gobat & Elena Havlicek (Université Neuchâtel), E. Dister & staff (WWF Auen Institut Rastatt)

- for the hydrosystem Garonne/Adour:

E. Muller, L. Lambs, H. Décamps, H. Guillo, A.-M. Planty & E. Tabacchi (C.N.R.S. Toulouse), C. Ruffinoni (I.D.F. Toulouse)

- for the hydrosystem Danube:

E. Klimo (Mendel University Brno)

- for the hydrosystem Po

P. Varese (Istituto per le Piante da Legno e l'Ambiente., Torino)

- for the hydrosystème Loire:

T. Cornier & J.-P. Berton (Université François Rabelais Tours & IMACOF Chinon)

- for the hydrosystème Seine

D. Allard, I. Poudevigne & F. Bureau (Université Rouen), E. Billen, E. Fustec (C.N.R.S.-Piren Seine).

MEDIO-EUROPEAN ALPINE HYDROSYSTEMS

1- THE RHÔNE RIVER HYDROSYSTEM

1-1 Rhone river (General)

Girel, J., Pautou, G., et Garguet-Duport, B., 1996- Anthropogenic impacts, hydrological variations and vegetation changes in stream corridors of Northern Alps. *Proceedings of the second international symposium on habitat hydraulics*, Québec, Canada, juin 1996, volume 1, 25-36.
floodplain biodiversity, historical changes, Rhône river

Girel, J., 1996- Reconstruction historique et gestion des corridors fluviaux: les enseignements des aménagements anciens.-*Revue de Géographie de Lyon*, 71(4/1996: La Rivière: un corridor naturel à gérer, H. Piégay ed.), 341-352.
floodplain biodiversity, historical changes, Rhône river

Girel, J., Pautou, G., 1997- The influence of sedimentation on vegetation structure- In: *Buffer zones: their processes and potential in water protection* (N. Haycock, T. Burt, K.W.T. Goulding & G. Pinay eds), Quest Environmental & Environment Agency (Harpenden), White Crescent Press (Luton), 93-112.
floodplain biodiversity, riparian forests, Rhône river

Karl, J., 1994- Renaturierung und Revitalisierung alpiner Fließgewässer- *Jahrbuch des Vereins zum Schutz der Bergwelt*, 59, 29-45.
Floodplain biodiversity, river restoration, floodplain restoration, historical change

Marigo, G., Peltier, J.-P., Girel, J., Pautou, G.- 2000- Success in the demographic expansion of *Fraxinus excelsior* L., *Trees*, 15(1), 1-13.
floodplain biodiversity, riparian forests, historical changes.

Michelot, J.-L., 1989- *Les espaces naturels de la vallée du Rhône- Eléments pour une politique de gestion intégrée*.- Thèse Géographie-Aménagement, Univ. Lyon Jean Moulin, 525p.
Historical changes, floodplain forests, Rhône river

Michelot, J.-L., 1997- *Atlas des sites d'intérêt écologique de la vallée du Rhône; guide méthodologique*- Compagnie Nationale du Rhône (Lyon), 81 p.
fluvial geomorphology, riparian forests, historical changes, hydrological influences on vegetation, Rhône river, floodplain restoration

Peiry, J.-L., Salvador, P.-G., Nouguier, F., 1994- L'incision des rivières dans les Alpes du nord: état de la question- *Revue de géographie de Lyon*, 69(1), 47-56.
hydrological influences on vegetation, historical changes, fluvial geomorphology,

1-2- Upper-Rhône river (Switzerland)

Charlier, P., Hainard, P., 1989- Phytosociological study of the vegetation of a protected wet site, les Prés de Vilette (Geneva).- *Saussurea*, 20, 169-200.
floodplain biodiversity, Upper Rhône river, wetlands.

Delarze, R., 1988- Etude botanique des Follatères (Dorénav et Fully, Valais): 3, Les forêts- *Bulletin de la Murithienne*, 106, 101-117.
floodplain biodiversity, riparian forests, alder forests, willow forests, vegetation classifications, Rhône river

Gallandat, J.-D., Gobat, J.-M., Roulier, C., 1993- Cartographie des zones alluviales d'importance nationale- *OFEFP, Berne, Cahier de l'environnement N° 199*, 112p. + 180 p. (annexes, fiches et tableaux).

floodplain biodiversity, riparian forests, alder forests, willow forests, vegetation classifications, Rhône river

Gams, H., 1916- La Grande Gouille de la Sarvaz et les environs.- *Bulletin de la Murithienne (Société valaisanne des Sciences Naturelles)*, (Sion), 34 (1914/1915), 125-186, 1 carte depl. + 3 pl. photos hors texte.

floodplain biodiversity, Rhône river, Valais, Switzerland, land use history

Gams, H., 1927- *Von der Follatères zur Dent de Morcles - Vegetationsmonographie aus dem Wallis (Mit einer Vegetationskarte im Masstab 1:50000)*- Pflanzengeographische Kommission der Schweizerischen Naturforschenden Gesellschaft (Beiträge zur geobotanischen Landesaufnahme, 15), Hans Huber (Bern), 760p.

répertoire des taxons et des sites et carte de végétation réédités en 2000 par le Musée cantonal d'histoire naturelle de Sion et la Murithienne, Société valaisanne des sciences naturelles,(Michel Desfayes), Cahiers des Sciences Naturelles 5, 87 p.

floodplain biodiversity, Rhône river, Valais, Switzerland, land use history, mapping

Géroudet, P., Amberger, G., Hainard, P., Matthey, E., Pongratz, E., Wellhauser, P., 1978- *Le vallon de l'Allondon; Nature et protection*- Ed. Association Genevoise pour la protection de la nature (Genève), 56p.

floodplain biodiversity, Rhône river, Allondon river

Kuhn N, & Amiet, R., 1988- *Inventaire des zones alluviales d'importance nationale*.- Ed. Département fédéral de l'Intérieur et Office fédéral de la protection du paysage, Berne, Suisse, 41p; annexes 14p+carte.

floodplain biodiversity, riparian communities, mapping, Rhône river.

Hainard, P., Tchérémissinoff, G., 1973- Notice abrégée de la carte de la végétation du Bassin Genevois-*Saussurea*, 4, 69-87, 1 carte couleur 1/50 000.

floodplain biodiversity, riparian communities, mapping, Rhône river.

Martinet, F., Dubost, M., Vivian H., Pautou, G., Girel, J.- 1992, Les dernières rivières naturelles des Alpes- *CIPRA (Petite série Documentaire)*, 11/92, 6-67.

floodplain biodiversity, riparian communities, mapping, Rhône river..

Posse, B., 1997- *Éléments d'écologie paysagère en plaine du Rhône (Valais, Suisse): de l'endiguement du fleuve à nos jours (Évionnaz-Riddes: Salquenen-Tourtemagne)*- Mémoire de diplôme (Ecologie végétale), Université de Neuchâtel, Mars 1997, 158 p.

floodplain biodiversity, riparian forests, vegetation classifications, Pinus sylvestris, willows, alder woodlands, Rhône river, Valais.

Teuscher, F., Roulier C., Lussi S., 1995- *Vollzugshilfe zur Auenverordnung. / Guide d'application de l'ordonnance sur les zones lluviales*. - Bern / Berne: Bundesamt für Umwelt, Wald und Landschaft (BUWAL) (Hrsg.) /Office fédéral de l'environnement, des forêts et du paysage (OFEFP) (ed.), 43 p.

Floodplain biodiversity, floodplain restoration, Upper Rhine and tributaries.

Theurillat, J.-P., 1986- Carte de la végétation Mörel-Hoflue (Valais, Suisse)- *Bulletin de la Murithienne*, 104, 113-124.

floodplain biodiversity, riparian forests, alder, willows, ash, mapping, Valais.

Theurillat, J.-P., Matthey, E., 1987- Le vallon de l'Allondon- *Série documentaire N°22*, Conservatoire et Jardin Botanique de Genève, 196 pages.

floodplain biodiversity, riparian forests, alder, willows, ash, mapping, Allondon river.

Theurillat, J.-P., Delarze, R., Werner, P., 1988- Inventaire des terrains secs de la Suisse: le cas du Valais.- *Colloques phytosociologiques*, 15, 275-280.

Floodplain biodiversity, herbaceous communities, Rhône river, Valais

Theurillat, J.-P., 1992- Etude et cartographie du paysage végétal (symphytocoenologie) dans la région d'Aletsch (Valais, Suisse)- *Beiträge zur geobotanischen Landesaufnahme der Schweiz (Matériaux pour le levé géobotanique de la Suisse)*, 68, 7-384 + 1 vol. de cartes et tableaux.

floodplain biodiversity, riparian forests, alder, willows, ash, mapping, Valais.

Weber, C., 1958- Note sur la colonisation des digues artificielles de galets en aval de l'usine de Verbois (Genève).- *Travaux de la Société Botanique de Genève*, 4, 37-41.

floodplain biodiversity, pioneer communities

Weibel, R., 1964- La végétation des terrains d'alluvions de la boucle du Rhône de Cartigny- *Travaux de la Société Botanique de Genève*, 7, 31-61.

floodplain biodiversity, hydrological influences on vegetation, pioneer communities, riparian woodlands, plant succession, historical changes.

Weibel, R., 1965- Contribution à l'étude de la végétation des terrains d'alluvions: la boucle du Rhône à Cartigny (Genève)- *Actes de la Société helvétique des Sciences Naturelles, 145ème session*, 116-117.

floodplain biodiversity, hydrological influences on vegetation, pioneer communities, riparian woodlands, plant succession, historical changes.

Werdenberg, K., Weibel, R., Perrenoud, F., Michel, C., Hainard-Curchod, S., Hainard, P., 1982- Evolution de la végétation de la boucle du Rhône de Cartigny (Moulin de Vert): première comparaison (1961-1981) de l'état des carrés permanents- *Saussurea*, 13, 97-135.

floodplain biodiversity, hydrological influences on vegetation, pioneer communities, riparian woodlands, plant succession, historical changes.

Werner, P., 1985- La végétation de Finges et de son Rhône sauvage- *Bulletin de la Murithienne*, 103, 39-84.

floodplain biodiversity, hydrological influences on vegetation, pioneer communities, riparian woodlands, plant succession, historical changes.

Werner, P., 1998- Essais de réintroduction de la petite massette (*Typha minima*) sur le Rhône de Finges, VS- *Bulletin de la Murithienne*, 116, 57-67.

floodplain biodiversity, hydrological influences on vegetation, pioneer communities, *Typha minima*.

1-3 French Upper-Rhône and tributaries (Arve, Ain rivers...)

Amoros, C., Richardot-Coulet, M., Pautou, G., 1982- Les "ensembles fonctionnels": des entités écologiques qui traduisent l'évolution de l'hydrosystème en intégrant la géomorphologie et l'anthropisation (exemple du Haut-Rhône français)- *Revue de Géographie de Lyon*, 57(1), 49-62.

floodplain biodiversity, historical changes, floodplain restoration, French-Upper Rhône river.

Amoros, C., Henry, C., 1995- Restoration Ecology of Riverine Wetlands: An Example in a Former Channel of the Rhone River.-*Environmental Management*, 19(6),903-913.

Floodplain biodiversity, aquatic communities, Upper Rhône river

Amoros, C., Bornette, G., Greulich, S., Roelofs, J.G.M., 2000- Investigation on the Fundamental Niche of a Rare Species: an Experiment on Establishment of *L. natans*.- *Aquatic Botany*, 66(3), 209-224 .

Floodplain biodiversity, aquatic communities, Upper-Rhône river

Anderson, L., Farille, M.A., 1980- Exploration floristique principalement dans la région colluvio-alluviale de l'Arve (Haute-Savoie)- *Saussurea*, 11, 141-181.

floodplain biodiversity, vegetation classifications, pioneer communities, riparian forests, Arve river.

Besnard, G., 1985- *Contribution de la nappe à l'alimentation en eau des forêts alluviales*- Rapport de D.E.A., Université de Grenoble, 50 p.

Riparian forests, hydrological influences on vegetation, French Upper Rhône river

Bornette, G., , Amoros, C., , Castella, C., Beffy, J.L., 1994- Succession and fluctuation in the aquatic vegetation of two former Rhone river channels.- *Vegetatio*, 110,171-184.

Floodplain biodiversity, aquatic communities, Upper-Rhône river

- Bornette, G., Amoros, C., 1996- Disturbance regimes and vegetation dynamics: role of floods in riverine wetlands.- *Journal of Vegetation Science*, 7, 615-622.
Floodplain biodiversity, aquatic communities, Upper-Rhône river
- Bornette, G., Amoros, C., Piégay, H., Tachet, J., Hein, T., 1998- Ecological complexity of wetlands within a river landscape.-*Biological Conservation*, 85 (1/2): 33-45.
Floodplain biodiversity, aquatic communities, Upper-Rhône river
- Bourrit, A., Farille, M.A., 1982- Etude phytoécologique d'une séquence de végétation dans la moyenne vallée du Giffre- *Saussurea*, 13, 41-79.
floodplain biodiversity, plant succession, Giffre river
- Bravard, J.-P., 1987- *Le Rhône du Léman à Lyon*- La Manufacture (Lyon), 451 p.
Floodplain biodiversity, Hydrological influences on vegetation, geomorphology, Rhône river
- Bravard, J.-P., Pautou, G., 1982- L'incidence des activités humaines sur la dynamique de l'eau et l'évolution de la végétation dans la vallée du Haut-Rhône français- *Géographie de Lyon*, 57(1), 63-79..
floodplain biodiversity, historical changes, floodplain restoration, French-Upper Rhône river.
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floodplain biodiversity, floodplain restoration, Upper Rhône river
- Bravard, Y., 1959- La vallée supérieure de la Bourbre (Bas-Dauphiné); contribution à l'étude des vallées de piémont- *Revue de Géographie Alpine*, 2, 225-242.
floodplain biodiversity, historical changes, fluvial geomorphology, Bourbre river
- Cellot, B., Dole-Olivier, M.-J., Bornette, G., Pautou, G., 1994- Temporal and spatial environmental variability in the Upper Rhône river and its floodplain- *Freshwater Biology*, 31, 311-325.
floodplain biodiversity, historical changes, hydrological influences on vegetation.
- Chalemont, J., 1989- *Deux indices prévisionnels de l'évolution démographique des populations de bois tendres (Salix) après abaissement de la nappe phréatique (Exemple de l'aménagement de Chautagne*- Rapport de l'Université Joseph Fourier, Grenoble (Laboratoire d'Ecologie et Laboratoire TIM 3), 76 pages.
floodplain biodiversity, hydrological influences on vegetation, riparian forests, willows, Rhône river
- Combroux, I., Bornette, G., Amoros, C., 2000- Restoration of riverine wetlands: vegetation recolonization and propagule bank.- *Eight International Symposium Of Regulated Streams, (EISORS), Toulouse*.
Ain river, floodplain restoration, wetlands, aquatic communities.
- Deferrard, C., Farille, M. A., 1982- Prairies contemporaines xéromorphes des Îles de Passy (Haute Savoie)- *Saussurea*, 13, 137-149.
floodplain biodiversity, herbaceous communities, pioneer communities, hydrological influences on vegetation, Arve river.
- Fagot, F., Gadiolet, P., Magne, M., Bravard, J.-P., 1989- Une étude dendrochronologique dans le lit majeur de l'Ain; la forêt alluviale comme descripteur d'une métamorphose fluviale- *Revue de géographie de Lyon*, 64(4), 213-223.
riparian forest, fluvial geomorphology, Ain river
- Frayse, J.-P., Granger, C., Compte rendu botanique de la sortie du 15 juin 1996 entre La Valbonne et Loyettes, ain- *Bull. Mens. Soc. Linn. Lyon.*, 66(7), 183-185.
floodplain biodiversity, grasslands, Ain river, Rhône river.
- Garguet-Duport, B., Pautou, G., Girel, J., 1997- Cartographie appliquée à la gestion des espaces protégés dans les grandes plaines d'inondation: l'exemple de la vallée du Haut-rhône entre Genève et Lyon- in : *La*

cartographie pour la gestion des espaces naturels, Actes des Rencontres Internationales de Saint Etienne (13-15 Novembre 1995), Editions du Cemagref (Paris), 89-97.
floodplain restoration, Rhône river

Gaudry, P., 1981- *Etude forestière des îles du Rhône entre le pont de Cordon et le pont de Groslée pour le projet de réserve naturelle de Brégnier-Cordon*- Rapport de D.E.A., Université de Grenoble, 25 p.
Floodplain biodiversity, riparian forests, French Upper-Rhône river.

Girel, J., 1981- *La végétation du site du Vorget (Vallée du Guiers)*- Rapport d'expertise, Université J. Fourier Grenoble, Laboratoire d'Ecologie végétale, 17 p, 1 carte.
Floodplain biodiversity, grasslands, Guiers river.

Girel, J., 1982 - Les apports en eau dans la vallée du Ht-Rhône français; essai de synthèse cartographique par exploitation de données biogéographiques et floristiques. *Revue de géographie de Lyon*, 1982/1, 7-23.

Girel, J., 1985/91 - *Cartographie à grande échelle (1/5000) de la vallée du Haut-Rhône français*
1- 1985- secteur "Pont de Groslée-Pont de Sault-Brénaz"
2- 1987- secteur "Ile du Méant - barrage de Jonage"
3- 1988- secteur "Pont de Jons- Parc de Miribel-Jonage" (en collaboration avec A. Guigue)
4- 1989- secteur "Pont de Sault-Brénaz-Pont de Loyettes"
5- 1991- secteur "Parc de Miribel Jonage - Croix Luizet" (en col. avec O. Manneville)
Université de Grenoble.
floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, Rhône river.

Girel, J. 1986- Télédétection et cartographie à grande échelle de la végétation alluviale; exemple de la Basse Plaine de l'Ain.- *Documents de Cartographie écologique*, 29, 45-74.
floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, Rhône river.

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floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, Rhône river.

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floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, Rhône river.

Girel, J. et Pautou, G., 1982- Les Pelouses calcaires des alluvions de l'Ain en amont de la confluence avec le Rhône.- *Colloques phytosociologiques*, 11, 229-238, 1 tab. H.T.
floodplain biodiversity, herbaceous communities, pioneer communities, mapping, vegetation classifications, Rhône river.

Girel, J. et Pautou, G. 1985- Associations végétales et types de cultures dans les sections à fortes pentes du Ht- Rhône français.- *Colloques Phytosociologiques*, 13, 669-689.
floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, Rhône river

Girel, J., Manneville, O., 1991- Evolution de la végétation ripariale et palustre: les petits affluents rhodaniens du Jura méridional- *Bulletin mensuel de la Société linnéenne de Lyon*, 60(4), 112-127; 1 carte en annexe.
floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, historical changes, French Upper Rhône river.

Guigue, A., 1988- *Les bases écologiques pour une zonation de la végétation alluviale sur le profil longitudinal du Haut-Rhône français*- Mémoire de DEA (Université de Grenoble), 48 pages, 1 carte couleur hors texte.

floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, Rhône river

Lachet, B., 1984- *Approche statistique des relations entre variables écologiques et floristiques dans la vallée du haut-Rhône français*- Thèse, Université Grenoble, 187 p.

Hydrological influences on vegetation, French Upper Rhône

Manneville, O., 1988- Bilan phytosociologique et cartographie de la végétation appliquée à l'évaluation de la valeur biologique et à la gestion des marais tourbeux eutrophes de basse altitude: cas des bordures du lac d'Annecy et du marais de Lavours (Ain).- *Colloques phytosociologiques*, 15, 453-468.

Floodplain biodiversity, wetlands, vegetation mapping, riparian forests, herbaceous communities, historical changes, Upper Rhone river

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fluvial geomorphology, riparian forests, historical changes, Ain river, mapping.

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floodplain biodiversity, fluvial geomorphology, riparian forests, mapping

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floodplain biodiversity, mapping, Ain river, Rhône river

Pautou, G., 1975- *Contribution à l'étude écologique de la plaine alluviale du Rhône entre Seyssel et Lyon*. - Doctorat es Sciences Thesis, Grenoble.

floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, plant succession, hydrological influences on vegetation, vegetation classifications, Rhône river.

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floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, Isère river, Drac river, Arve river, Romanche river, Ain river...Rhône river

Pautou, G., 1980- La dynamique de la végétation dans la vallée du Rhône entre Genève et Lyon.- *Colloques phytosociologiques*, 9: 81-91.

floodplain biodiversity, riparian forests, herbaceous communities, pioneer communities, mapping, plant succession, Rhône river

Pautou, G., 1984- L'organisation des forêts alluviales dans l'axe rhodanien entre Genève et Lyon; comparaison avec d'autres systèmes fluviaux.- *Documents de Cartographie Ecologique*, 27: 43-64.

floodplain biodiversity, riparian forests, historical changes, mapping, Rhône river

Pautou, G., Vigny, F., Gruffaz, R. and Aïn, G., 1971- Carte des groupements végétaux de la Chautagne (Savoie).- *Documents pour la carte de la végétation des Alpes*, 9: 79-108.

floodplain biodiversity, riparian forests, herbaceous communities, wetland, historical changes, mapping, Rhône river

Pautou, G. et al., 1972- *Etude écologique des îles du Rhône entre Seyssel et Lyon*. -Université de Grenoble, Grenoble, 54 pp.

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Floodplain biodiversity, pioneer communities, vegetation classification, Mosel river

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Historical changes, Mosel river

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Floodplain biodiversity, vegetation classification, Warche river, Upper Mosel river

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Floodplain biodiversity, riparian forests, herbaceous communities, Middle-Rhine river

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Floodplain biodiversity, wetlands, herbaceous communities, *Alnus glutinosa*, Upper Mosel river

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Floodplain biodiversity, vegetation classification, riparian forests (alder, elm, oak), mapping, historical change, Main, Rhine,

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Floodplain biodiversity, riparian forests, *Alnus glutinosa*, vegetation classification, Drohn river, Nahe river, Upper Mosel river

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Floodplain biodiversity, wetlands, herbaceous communities, vegetation classification, Upper Mosel river

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floodplain biodiversity, vegetation classification, riparian forests, *Alnus glutinosa*, Agger, Wupper rivers, Rhine...

Mekic, M., 2000- Hauptseminar Themen zur angewandten physische Geographie -*Die Reliefentwicklung in mitteleuropäischen Talauen: natürliche und anthropogene Faktoren* - <http://www-ti.informatik.uni-tuebingen.de/~mekic/geographie/talauen.html>

Floodplain biodiversity, historical changes, Upper Main river, Regnitz river

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Floodplain biodiversity, vegetation mapping, Saar river

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Floodplain biodiversity, herbaceous communities, historical changes, Mosel river

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Floodplain biodiversity, vegetation classification (macrophytes, herbaceous communities), Rhine

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Floodplain biodiversity, riparian forests, Middle Rhine river, Enz river

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Floodplain biodiversity, Riparian vegetation, Rhine tributaries, Lein, Kocher, Main.

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Historical changes, Mosel river.

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hydrological influences on vegetation, riparian forests, softwood forests, herbaceous communities, Rhine river

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Floodplain biodiversity, Umpper Rhine, Middle Rhine, Germany

2-5 German Lower- Rhine and tributaries (Lahn, Wupper, Ruhr, Lippe...)

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Floodplain biodiversity, soils, Rhine river, Lippe river.

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Floodplain biodiversity, Ruhr river

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Floodplain biodiversity, vegetation classification (herbaceous communities, wet meadows).

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Floodplain biodiversity, softwood forest (willows), hydrological influences on floodplain vegetation, flooding, vegetation dynamics, willow establishment, Ahr, Rhine,

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Floodplain biodiversity, vegetation classification (riparian hardwood forests: ash, cherry...), Rhine and tributaries.

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Floodplain biodiversity, vegetation classification, Rhine (from Bonn to Köln).

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Floodplain biodiversity, vegetation classification, Rhine.

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Floodplain biodiversity, hydrological influences on floodplain vegetation, willow bushes, small tributaries, Rhine near Münster.

Lohmeyer, W. & Krause, A., 1975- Zur Kenntnis der Vegetation des Katzenlochbach-Tales bei Bonn.- *Schr.- Reihe Veg- Kde*, 8, 7-20.
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vegetation classification (wet meadows), hydrological influences on floodplain vegetation, Rhine, Ems and tributaries.

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Floodplain biodiversity, vegetation classification (hygrophytes, macrophytes, herbaceous communities, Rhine and tributaries).

Philippi, G., 1978- Veränderungen der Wasser- und Uferflora im badischen Oberrheingebiet- *Beih. Veröff. Naturschutz Landschaftspflege Bad-Württ.*, 11, 99-134.

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Floodplain biodiversity, riparian forests, herbaceous communities, Upper Rhine river

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Floodplain biodiversity, riparian forests, Rhine

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Floodplain biodiversity, historical changes, riparian forests, herbaceous communities, Rhine river

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Floodplain biodiversity, vegetation classification (macrophytes, hydrophytes), Main and tributaries (Rhine)

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Floodplain biodiversity, Hesse, Upper Rhine, riparian forests, Germany

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Floodplain biodiversity, Rhine (Main and tributaries), Danube (Isar and tributaries), riparian vegetation (forest and other natural communities), hydrological influences on floodplain vegetation, river management, historical change

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Floodplain biodiversity, vegetation classification (macrophytes, hydrophytes), Main (Rhine)

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Floodplain biodiversity, riparian forests, *Alnus glutinosa*, *Fraxinus excelsior*, *Ulmus*, softwood forests, hardwood forests, Lower Rhine river and tributaries

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Floodplain biodiversity, riparian forests, floodplain restoration Middle Rhein river

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Floodplain biodiversity, hydrological influences on floodplain vegetation, vegetation classification (flooded meadows), river Itz (Main, Rhine)

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Floodplain biodiversity, riparian forests, *Alnus glutinosa*, vegetation classification, Lower Rhine and tributaries, Germany

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Lower Rhine river, historical changes, floodplain restoration

2-6- Dutch Lower Rhine

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Floodplain biodiversity, Lower Rhine river, Lower Meuse river

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Floodplain biodiversity, historical changes, herbaceous communities, Lower Rhine river and tributaries

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Floodplain biodiversity, historical change, Lower Rhine river

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Floodplain restoration, Rhine river

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Floodplain biodiversity, landscape, Lower Rhine river

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Floodplain biodiversity, historical changes, Lower Rhine river, Riparian forests, hardwood forests

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Floodplain biodiversity, wetlands, floodplain restoration, hydrological influences on vegetation, Lower Rhine river and tributaries

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hydrological influences on floodplain vegetation (meadows), historical change, flood defence,

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hydrological influences on floodplain vegetation, river management, floodplain restoration

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Floodplain biodiversity, Meuse river delta, Rhine river delta, flooding

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Floodplain biodiversity, Meuse river delta, Rhine river delta, flooding

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Floodplain biodiversity, vegetation classification, riparian forests, wetlands, historical change.

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Floodplain biodiversity, Meuse river , Rhine river, flooding

Lenders, H.J.R., 2000- Ecological rehabilitation and biodiversity along the River Rhine in the Netherlands.- *Eight International Symposium Of Regulated Streams, (EISORS), Toulouse*.

Floodplain biodiversity, floodplain restoration, Lower Rhine river

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Floodplain biodiversity, herbaceous communities, Lower Rhine river, Lower Meuse river, hydrological influences on vegetation.

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Floodplain biodiversity, historical changes, Rhine river

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Floodplain biodiversity, riparian vegetation, historical changes, Lower-Rhine

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Floodplain restoration, Lower Rhine river

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Floodplain restoration, Lower Rhine river

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Floodplain restoration, Lower Rhine river, historical changes

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Floodplain rehabilitation, Lower-Rhine river

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Floodplain biodiversity, riparian vegetation, historical changes, Lower-Rhine

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Floodplain biodiversity, Lower Rhine river

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Floodplain restoration, softwood alluvial forests (willows) hydrological influences on vegetation, river management, historical change, Rhine

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Floodplain restoration, softwood alluvial forests (willows) hydrological influences on vegetation, river management, historical change, Rhine

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floodplain biodiversity, floodplain restoration, softwood communities

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Soils, hydrological influences on vegetation, historical changes, Lower Rhine.

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vegetation classification (herbaceous wetlands), Lower-Rhine

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vegetation classification (herbaceous wetlands), Lower-Rhine

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Floodplain biodiversity, vegetation classification (riparian forests), floodplain restoration, historical change.

WWF, 2000- *Gelderse Poort restoration project*-

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Floodplain restoration, Lower Rhine river

3- THE PO RIVER, ADIGE. HYDROSYSTEMS

3-1 Po river, Adige river and other streams flowing from Alps to Adriatic sea (general)

Cattaneo, A., Salmoiraghi, G., Gazzera, S., 1995- The rivers of Italy- in (Cushing, C.E., Cummins, A.W., Minshall, G.W. eds), *River and stream ecosystems*, Ecosystems of the world, 12, Elsevier (Amsterdam), 479-505.

Floodplain biodiversity, vegetation classification (riparian forests), Pô river and tributaries, Italian rivers

Gafta, D., Pedrotti, F., 1995- Tipificazione di due nuove associazioni ripariali per la Penisola Italiana.- *Documents phytosociologiques*, 15, 413-415.

Floodplain biodiversity, vegetation classification, Po river

Karl, J., 1994- Renaturierung und Revitalisierung alpiner Fließgewässer-*Jahrbuch des Vereins zum Schutz der Bergwelt*, 59, 29-45.

Floodplain biodiversity, river restoration, floodplain restoration, historical change

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Floodplain biodiversity, softwood forests, willows

Montanari, C., 1996- Recent pollen deposition in alder woods and in other riverine plant communities.- *Allionia*, 34, 309-323.

Floodplain biodiversity, *Alnus glutinosa*, *Alnus incana*, *Quercus robur*, Historical Changes, Po river and tributaries

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Floodplain biodiversity, vegetation classification (riparian forests), Pô river and tributaries, Italian rivers

Pedrotti, F., 1984- Lista delle foreste ripariali dell'Italia censite dalle Società Botanica italiana.- *Colloques phytosociologiques*, 9, 609-613.

Floodplain biodiversity, vegetation classification (riparian forests), Pô river and tributaries, Italian rivers

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Floodplain biodiversity, vegetation classification (riparian forests), Pô river and tributaries, Italian rivers

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Floodplain biodiversity, Po river

Sburlino, G., Bracco, F., Buffa, G., Andreis, C., 1995- I prati a *Molinia coerulea* (L), Moench, della Pianura padana: sintassonomia, sinecologia, sinecologia.- *Fitosociologia*, 29, 67-87.

Floodplain biodiversity, vegetation classifications, wet meadows, hydrological influences on vegetation, Po river and tributaries, Adige river,

Symposium, 1981- Colloquio sul tema : " Le Foreste ripariali et planiziali italiane."- *Notizario della Società italiana di fitosociologia*, 17, 76p.

Floodplain biodiversity, vegetation classification (all types of communities)

Tomaselli, C. & Tomaselli, E., 1973- Appunti sulla vicende delle foreste padane d'all'epoca romana ad oggi.- *Arch. bot. biogeogr. ital.*, 49, (1/2), 85-101.

Floodplain biodiversity, riparian forests, historical change.

3-2 Upper-Po and tributaries (Doria riparia, Doria Baltea, Tanaro...)

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Floodplain biodiversity, riparian forests, herbaceous communities, Brembo river, Upper-Adda river

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Floodplain biodiversity, historical changes, riparian forests, Upper-Po river and tributaries.

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Floodplain biodiversity, Doria Riparia river, Upper-Po river

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Floodplain biodiversity, hydrological influences on vegetation, vegetation dynamics, floodplain restoration, Tagliamento river

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Floodplain biodiversity, vegetation classification, Lower-Po river

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Floodplain biodiversity, riparian forests, historical changes, Middle-Po river and tributaries

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Floodplain biodiversity, historical change, Po river

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Floodplain biodiversity, hardwood forests, Middle Po river, Milano

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Floodplain biodiversity, historical change, floodplain restoration, Po river

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Floodplain biodiversity, historical change, wetlands, Pô river, Oglio river, Mincio river.

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Floodplain biodiversity, historical changes, Parma river, Po river

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Floodplain biodiversity, riparian forests, historical change, Pô and tributaries

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Floodplain biodiversity, Soils, Middle-Po river

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Floodplain biodiversity, riparian forests, hardwood forests, historical changes, Panaro river, Po river , Modene

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Floodplain biodiversity, Middle-Taro river, riparian forests, wetlands, Lower Taro river, Lower Po river

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Floodplain biodiversity, riparian forests, herbaceous communities, Middle-Po River, Mantova.

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Floodplain biodiversity, riparian forests, hardwood forests, Fraxinus oxycarpa, Ulmus minor, Middle-Po river

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Floodplain biodiversity, vegetation classification (all communities), plant dynamics, riparian forests, historical change, Ticino river

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Floodplain biodiversity, aquatic communities, Berula erecta, Middle-Po river and tributaries

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Floodplain biodiversity, ground watertable, soils, Lower Taro river, Middle-Po river

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Floodplain biodiversity, vegetation classification, riparian forests

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CENTRAL-EUROPEAN HYDROSYSTEM

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floodplain biodiversity, riparian forests, Olt river
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floodplain biodiversity, herbaceous communities, riparian forests, Danube river
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Floodplain biodiversity, Floodplain forests, herbaceous communities, floodplain restoration, Lower Danube
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Floodplain biodiversity, riparian forests, floodplain restoration

SOUTH EUROPEAN HYDROSYSTEMS

1- THE APPENNINIAN HYDROSYSTEMS

1-1 Rivers flowing from Appennines ranges (Arno, Trigno, Tevere, Ombronne, ...) and Upper course of Po tributaries flowing from Appennines ranges (Taro river, Parma river, Stirone river....)

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Floodplain biodiversity, pioneer communities, Tuscany

Arrigoni, P.V., Nardi, E., Raffaelli, M., 1985- *La vegetazione del Parco Naturale della Maremma (Toscana)*. - Ed. Università degli Studi di Firenze, Dipartimento di Biologia vegetale, 39p.

Floodplain biodiversity, riparian forests, wetlands, Lower Ombronne river, Lower Arno river

Arrigoni, P.V., Mazzanti, A., Ricceri, C., 1990- Contributo alla conoscenza dei boschi della Maremma grossetana.- *Webbia*, 44, 121-150.

Floodplain biodiversity, riparian forests, wetlands, Lower Ombronne river, Lower Arno river

Baldoni, M., Biondi, E., 1993- La vegetazione del fiume Esino (Marche centrali).- *Studia botanica*, 11, 209- 257.

Floodplain biodiversity, vegetation classification, Esino river

Biondi, E., Baldoni, M., 1994- La vegetazione del fiume Marecchia (Italia centrale).- *Biogeographica*, 17, 51-87.

Floodplain biodiversity, vegetation classification, Marecchia river

Biondi, E., Vagge, I., Baldoni, M., Taffetani, F., 1999- La vegetazione del Parco Fluviale Reginale dello Stirone (Emilia- Romagna)- *Fitosociologia*, 36 (1), 67-93.

Floodplain biodiversity, vegetation classification, herbaceous communities, pioneer communities, riparian forests, Stirone river, Taro river.

Canullo, R., Pedrotti, F., Venanzoni, R., 1988- I prati umidi ed inondati dell'alto Trigno (Molise, Italia).- *Documents phytosociologiques*, 9, 584-606.

Floodplain biodiversity, wetlands, herbaceous communities, vegetation classification, Upper Trigno river, Pescara river

Casini, S., Chiarucci, A., De Dominicis, V., 1995- Phytosociology and ecology of the Chianti woodlands.- *Fitosociologia*, 29, 115-136.

Floodplain biodiversity, riparian forests, *Fraxinus oxycarpa*, *Alnus glutinosa*, *Populus nigra*, Ombronne river, Elsa river, Greve river, Pesa river, Arno river,

Conti, F., Pirone, G., 1993- Le cenosi di *Fraxinus oxycarpa* Bieb e di *Carpinus betulus* L. dei bosco di Vallaspre nel bacino del Fiume Sangro (Abruzzo-Italia).- *Documents phytosociologiques*, 14, 167-175.

Floodplain biodiversity, riparian forests, hardwood forests, vegetation classification, Sangro river, *Fraxinus oxycarpa*,

Corbetta, F., Pirone, G., 1988- I fiumi d'Abruzzo: aspetti della vegetazione.- *Boll. Mus. St. Nat. Lunigiana*, 6/7, 95-98.

Floodplain biodiversity, riparian forests, herbaceous communities, vegetation classification, Tirino river, Pescara river

Corbetta, F., Pirone, G., 1989- La vegetazione del fiume Tirino (Abruzzo).- *Arch. bot. italiano*, 65 (3-4), 121-153.

Floodplain biodiversity, riparian forests, herbaceous communities, vegetation classification, Tirino river, Pescara river

De Dominicis, V., Regni, E., Persiano, T., Mariotti, M., 1986- Ricerche geobotaniche in val di Merse (Toscana Meridionale); 3- Contributo alla conoscenza della vegetazione di Pian di Feccia e Pian Ferrale.- *Atti Soc. Tosc. Sci. Nat., Mem., serie B*, 93, 157-183.

Floodplain biodiversity, wetlands, riparian forests, Merse river, Ombronne river

Francalancia, C., Marconi, D., 1994- Ontanete as *Alnus glutinosa* nei bacini dei fiumi Tronto, Tenna e Chienti.- *Fitosociologia*, 27, 91-95.

Floodplain biodiversity, riparian forests, vegetation classification, historical changes, *Alnus glutinosa*, *Fraxinus oxycarpa*, Tronto river, Tenna river, Chienti river.

Francalancia, C., Orsomando, E., 1984- Les forêts riveraines de la Valnerina (Italie Centrale).- *Colloques phytosociologiques*, 9, 155-159.

Floodplain biodiversity, riparian forests, Central Italy rivers

Gellini, R., Pedrotti, F., Venanzoni, R., 1986- Le associazioni forestali ripariali e palustri della Selva di San Rossore (Pisa).- *Documents phytosociologiques*, 10/2, 27-41.

Floodplain biodiversity, riparian forests, vegetation classification, Lower Arno river

Hruska, K., 1984- Su una nuova associazione della vegetazione spondale dei corsi d'acqua marchigiani.- *Documents phytosociologiques*, 8, 475-484.

Floodplain biodiversity, herbaceous communities, vegetation classification.

Manzi, A., 1988- Relitto di bosca ripariale lungo il corso pianiziare del fiume Sangro (Italia centrale).- *Documents phytosociologiques*, 11, 561-571.

Floodplain biodiversity, riparian forests, vegetation classification, softwood forests, hardwood forests, Lower Sangro river

Manzi, A., 1992- I boschi ripariali lungo il fiume Osento (Abruzzo, Italia centrale).- *Documents phytosociologiques*, 14, 115-121.

Floodplain biodiversity, riparian forests, vegetation classification, softwood forests, hardwood forests, Osento river

Marchiori, S., Sburlino, G., 1981- Primo contributo alla conoscenza di alcune zone umide dell'alta Valle del fiume Taro (Appennino Parmense). *Nuovo Giorn. Bot. Ital.*, NS 115, 405-406.

Floodplain biodiversity, vegetation classification, Upper-Taro river

Melelli, A., Faticenti, F. 2000 -Reactualisation d'une technique traditionnelle d'aménagement fluvial en Ombrie (Italie centrale).Les champs d'inondation.- *Géocarrefour*, 75, (4), 383-390.

Historical changes, Tevere river and tributaries

Menghini, A., Benucci, A.M., 1970- La vegetazione della bassa valle del Tevere in Umbria.- *Univ. Studi Perugia, Ann. Fac. Agr.*, 25, 443-489.

Floodplain biodiversity, vegetation classification, Lower Tevere river

Montanari, C., 1988- Aspetti di vegetazione riparia nell'Appennino Ligure e sintesi conoscenze botaniche in Italia.- *Giornale Botanico Italiano*, 122, suppl. 1, 57.

Floodplain biodiversity, riparian forests, aquatic communities, herbaceous communities, wetlands, vegetation classification, softwood forests, hardwood forests, Vara river, Magra river, Lavagna river, Tanaro river

Montanari, C., 1988- Boschi e boscaglie riparie dell'Appennino Ligure.- *Boll. Mus. St. Nat. Lunigiana*, 6/7, 99-102.

Floodplain biodiversity, riparian forests, vegetation classification, softwood forests, hardwood forests, Vara river, Magra river, Lavagna river, Tanaro river

Montanari, C., Gentile, S., 1979- Ricerche sulla vegetazione arbustiva e arborea di greto nei fiumi Vara e Magra, Liguria orientale.- *Notizaria Fitosociologica*, 14, 17-40.

Floodplain biodiversity, riparian forests, vegetation classification, softwood forests, hardwood forests, Vara river, Magra river.

Orsomando, E., Catorci, A., Silvi, B., Raponi, M., Lucarini, D., 1999- Flora vascolare dei Fiumi Topino, Clitunno e Maroggia, bacino idrografico del Fiume Topino.- *Riv. Idrobiol.*, 25(1-3), 87-103.
Floodplain biodiversity, Topino river, Clitunno river, Maroggia river, Tevere river

Pedrotti, F., 1970- *Un relitto di bosco planiziare a Quercus robur e Fraxinus angustifolia lungo il fiume Sinello in Abruzzo.*- ed. Savini-Mercuri (Camerino), 23p.
Floodplain biodiversity, riparian forests, hardwood forests, Quercus robur, Fraxinus angustifolia, Sinello river

Pedrotti, F., 1976- Les prairies permanentes humides de l'Apennin central: phytosociologie et cartographie.- *Colloques phytosociologiques*, 5, 181-187.
Floodplain biodiversity, herbaceous communities, Tevere river

Pedrotti, F., 1984- Foreste ripariali lungo la costa adriatica dell'Italia.- *Colloques phytosociologiques*, 9, 143-154.
Floodplain biodiversity, riparian forests, vegetation classification

Pirone, G., 1981- Osservazioni preliminari sulla vegetazione legnosa ripariale del fiume Pescara (Abruzzo).- *Notizario Fitosociologica*, 17, 45-54.
Floodplain biodiversity, riparian forests, softwood forests, hardwood forests, Pescara river

Pirone, G., 1991- Flora e vegetazione del Fiume Saline (Abruzzo).- *Micologia e vegetazione Mediterranea*, 6(1), 45-76.
Floodplain biodiversity, vegetation classification, Saline river, Tevere river

Pirone, G., 2000- La vegetazione ripariale nei versanti nord-orientali del Gran Sasso d'Italia e dei monti della Laga (Abruzzo, Italia).- *Fitosociologia*, 37(2), 65-86.
Floodplain biodiversity, riparian forests, softwood forests, hardwood forests, vegetation classification, Salix eleagnos, Salix apennina, Alnus glutinosa, Fraxinus excelsior, Tordino river, Saline river, Piomba river,

Rinaldi, M., Simon, A., 1998- Bed-level adjustments in the Arno River, central Italy.- *Geomorphology*, 22(1),57-72.
Soils, floodplain biodiversity, Arno river

Sburlino, G., Tornadore, N., Marchiori, S., Zuin, M.C., 1993- La flora delle alte valli del fiume Taro e del torrente Ceno (Appennino parmenze) con osservazioni sulla vegetazione.- *Atti Soc. Tosc. Sc. Nat. Mem. Serie B, Vol C*, 49-170.
Floodplain biodiversity, pioneer communities, wetlands, riparian forests, Upper Taro river, Ceno river.

Venanzoni, R., 1992- I prati umidi e inondati dell'alta valle del Velino (Rieti-Italia centrale).- *Documents phytosociologiques*, 14, 149-164.
Floodplain biodiversity, herbaceous communities, wetlands, Velino river

Venanzoni, R., Gigante, D., 2000- Contributo alla conoscenza della vegetazione degli ambienti umidi dell'Umbria (Italia).- *Fitosociologia*, 37 (2), 13-63.
Floodplain biodiversity, wetlands, riparian communities, herbaceous communities, vegetation classification, Tevere river, Paglia river, Nera river.

2- THE PYRENEAN AND IBERIC HYDROSYSTEMS

2-1 Garonne river (general)

Baudelin, P., 1994- Conséquences de l'exploitation des granulats dans la Garonne.- *Revue Géographique des Pyrénées et du Sud-Ouest*, 60, 603-616.
hydrological influences on vegetation, Garonne river

- Bélaud, A., Lim, P., 1994- Rôle et intérêt des bras morts de la Garonne.- *Adour Garonne, Revue de l'Agence de l'eau*, N° spécial (Ecologie et Gestion), 1994 (2), 15-20.
Garonne river, floodplain biodiversity, riparian forests
- Begon, J.-C., 1979- Sur la mise en évidence des séquences d'évolution dans les formations limoneuses des terrasses de la Garonne.- *C.R. Ac. Sci. , Paris*, 288, 481-484.
Soils, hydrological influences on vegetation, Garonne river
- Bernot, J., 1961- *Contribution à l'étude des sols lessivés des terrasses de la Garonne*- Thèse ENSAT, Toulouse.
Soils, hydrological influences on vegetation, Garonne river
- Cavaillé, A., 1965- Les unités morphologiques des basses plaines de la Garonne- *Revue de Géographie des Pyrénées et du Sud-Ouest*, 36, 243-278.
Soils, hydrological influences on vegetation, Garonne river
- Décamps, H., 1993- Vivre avec la Garonne- in: *Rivières et vallées de France, La Garonne*- ed Privat (Toulouse), 41-59.
Floodplain biodiversity, historical changes, Garonne river
- Décamps, H., Tabacchi, E., 1994- Species richness in vegetation along rivers margins.- in: Giller *et al.* (eds) *Aquatic Ecology: scale, pattern, and processes* , Blackwell (London), 1-20.
Floodplain biodiversity, Adour river, Garonne river
- Ferro, M. (ed), 1982- *Une histoire de la Garonne*- ed. Ramsay (Paris), coll. "Des Fleuves et des Hommes", 622p.
Historical changes
- Fillol, M., 1992- *Les écosystèmes fluviaux: végétation riveraine, sols alluviaux*.- Mémoire DESS, Agriculture et Environnement, Toulouse.
Floodplain biodiversity, riparian forests, herbaceous communities ,
Garonne river and tributaries.
- Fortuné, M., 1988- *Usages passés et écologie de la Garonne*- Thèse, INPG Toulouse, 162p.
Floodplain biodiversity, historical changes
- Gazelle, F., Valette, P. 2000- L'impact des sociétés du XVIIIe et du XIXe s. sur les paysages garonnais.- *Géocarrefour*, 75, (4), 337-347.
Historical changes, Garonne river
- Gonzalès, G., Laques, E., Rayssiguier, H., 1987- *Approche méthodologique de la gestion des ressources peupliers du bassin de la Garonne*.- Ed. C.N.E.S., 12 p.
vegetation mapping, Populus, Softwood forests, Garonne river
- Lambert, R., Gazelle, F., 1988- *Atlas géomorphologique de la vallée de la Garonne*- Ed. Université Toulouse-Le Mirail, 43 maps.
soil mapping, Garonne river
- Lambert, R., 1989- Cartographie géomorphologique de la vallée de la Garonne.- *Revue Géographique des Pyrénées et du Sud-Ouest*, 60(4), 637-648.
soil mapping, Garonne river
- Mahé, P., Babin, D., James, M., 1994- Garonne vivante: vers une gestion globale du corridor garonnais.- *Bull. Ass. Geogr. Fr.*, 365-376.
Floodplain biodiversity, riparian forests, floodplain restoration
- Probst, J.-L., 1983- *Hydrologie du bassin de la Garonne. Modèle de mélanges-bilan de l'érosion. Exportation des phosphates et des nitrates*.- Thèse, Toulouse, 148p.
ground watertable, Garonne river.

Ruffinoni, C., Gazelle, F., Deconchat, M., 1994- Rôle des boisements riverains dans la prévention des pollutions azotées diffuses. *Adour Garonne, Revue de l'Agence de l'eau*, N° spécial (Ecologie et Gestion), 1994 (2), 39-44.

Garonne river, floodplain biodiversity, riparian forests

Schneider, H., 1970- *Esquisse d'un profil pluviométrique de la Gironde à la Méditerranée*- Thèse, Géographie, Bordeaux, 128p.

Garonne river, hydrology

Symposium, 1989- La Garonne- *Revue de Géographie des Pyrénées et du Sud Ouest*, 60(4), 499-677.

Floodplain biodiversity, riparian forests, Garonne river

Tabacchi, E., Planty-Tabacchi, A.-M., 1994- La végétation riveraine et la gestion des systèmes fluviaux.- *Adour Garonne, Revue de l'Agence de l'eau*, N° spécial (Ecologie et Gestion), 1994 (2), 31-38.

Garonne river, Adour river, floodplain biodiversity, riparian forests, floodplain restoration

Zidek, V., 1994- *Influence de la résolution géométrique sur la qualité de l'inventaire des boisements dans la vallée de la Garonne*.- Mémoire DESS Télédétection, Université Paris 6.

Floodplain biodiversity, riparian forests, vegetation mapping, Garonne river

2-2 Upper-Garonne river and tributaries (Ariège river....)

Andrieu, V., 1991- Paysages de la Haute Garonne depuis les temps glaciaires.- *Revue de Géographie des Pyrénées et du Sud-Ouest*, 62(1), 95-99.

Floodplain biodiversity, historical changes, Upper Garonne river

Davasse, B., 1993- Les espaces forestiers de la haute vallée du Vicdessos (Pyrénées ariégeoises); analyse écohistorique et étude des charbonnières.- *Colloques phytosociologiques*, 20, 305-314.

Historical changes, vegetation mapping, Upper Garonne river, Upper Ariège river

Gazelle, F., 1989- Le rôle des Pyrénées dans l'abondance de la Garonne toulousaine- *Revue de Géographie des Pyrénées et du Sud-Ouest*, 60(4), 503-520.

Hydrological influences on vegetation, groundwater table, flooding

Gruber, M., 1984- La ripisylve à *Alnus glutinosa* en vallée de Louron (Pyrénées centrales)- *Colloques phytosociologiques*, 9, 405-409.

Floodplain biodiversity, vegetation classification, Riparian forests, *Alnus glutinosa*, Upper Garonne river and tributaries

Gruber, M., 1984- Les marais à *Eriophorum latifolium* et Laiches en vallée de Louron (Pyrénées centrales).- *Bull. Soc. Hist. Nat. Toulouse*, 120, 27-30.

Floodplain biodiversity, herbaceous communities, Upper garonne and tributaries

Hagène, P., 1937- Contribution à l'étude de la flore des alluvions fluviales- *Bull. Soc. Hist. Nat. Toulouse*, 41, 257-418.

Floodplain biodiversity, pioneer communities, hydrological influence on vegetation, Upper Garonne river

Hagène, P., 1938- Influence des cours d'eau sur la flore de leurs alluvions.- *Compte rendu sommaire des Séances de la Société de Biogéographie*, 130, 69-72.

Floodplain biodiversity, pioneer communities, hydrological influence on vegetation, Upper Garonne river

Hubschman, J., 1974- *Morphogenèse et pédogenèse quaternaire dans le piémont des Pyrénées garonnaises et ariégeoises*.- Thèse, Géologie, Toulouse, 745p.

Soils, Upper Garonne river, Ariège river

Hubschman, J., 1975- Les terrasses récentes de la Garonne et leur évolution.- *Bull. Ass. Fr. Quaternaire*, 44/45, 137-147.

Soils, Upper Garonne river

Lacaze, D., Sajus, J., 1985- *Carte de la végétation de la vallée de l'Ariège*- Ed. CERR/CNRS, Toulouse, 4 feuilles.

Vegetation mapping, Ariège river

Maurice, N., 1994- *Etude des saisons sèches et étiages sévères sur la Garonne supérieure*.- Rapport Stage fin d'études, C.E.S.F., Toulouse, Agence de l'eau Adour-Garonne.

Hydrological influences on vegetation, Upper Garonne river

Mazars, J.-C., 1997- Evolution d'une unité agro-sylvo-pastorale de moyenne montagne sur les communes de Sost et d'Esbareich (Barousse-Hautes Pyrénées) de 1833 à 1993, Modalités, causes, conséquences.- *Pirineos*, 149/150, 21-61.

Floodplain biodiversity, historical changes, riparian forests, Barousse valey, Upper Garonne tributaries.

Molinier, R. & Molinier, R., 1976- La végétation indicatrice de pollution (influence de la pollution croissante des eaux fluviales sur les associations végétales riveraines de la Garonne)- *Ann. Soc. Sci. Nat. Archéol. Toulon, Var*, 28, 63-89.

Floodplain biodiversity, vegetation classification, hydrological influences on vegetation, Garonne river

Thibault, J., 1998- *Les saules de la vallée de la Garonne, témoins de l'identité écologique du milieu riverain: recherches d'hybrides par cytométrie en flux; caractérisation des ripisylves en fonction de la dynamique fluviale*.- Thèse, écologie, Toulouse, 175p.

Floodplain biodiversity, riparian forests, softwood forests, Salix, willows, Upper Garonne river

2-3 Middle-Garonne river and tributaries (Tarn river)

Berger, M., 1995- Evaluation de l'efficacité des images à haute résolution spatiale pour l'inventaire des peupliers de la vallée de la Garonne.- Mémoire DEA Ecologie, Toulouse, 35p.

Floodplain biodiversity, riparian forests, vegetation mapping, Middle Garonne river

Bialet-Carbonne, E., 1997- *Influence de la mycorhization sur la structuration des communautés végétales riveraines pionnières*.- Thèse Ecologie, Toulouse, 159p.

Floodplain biodiversity, riparian forests, Middle Garonne river

Chauvet, E., 1988- Influence of the environment on willow leaf litter decomposition in the alluvial corridor of the Garonne river.- *Arch. Hydrobiol.*, 112(3), 371-386.

Floodplain biodiversity, riparian forests, Salix alba, Middle Garonne river

Chauvet, E., & Jean-Louis, A.M., 1988- Production de litière de la ripisylve de la Garonne et apport au fleuve.- *Acta oecol. Oecologia generalis*, 9(3), 265-279.

Floodplain biodiversity, riparian forests, Middle Garonne river

Chauvet, E., Décamps, H., 1989- Lateral interactions in a fluvial landscape: the river Garonne, France.- *J. North American Benthological Society*, 8(1), 9-17.

Floodplain biodiversity, riparian forests, Middle Garonne river

Décamps, H., 1987- *Les reboisements riverains de la Garonne: un patrimoine régional méconnu*.- Ed du CERR-CNRS (Toulouse). 28p.

Floodplain biodiversity, riparian forests, Middle Garonne river

Décamps, H., Joachim, J. & Lauga, J., 1987- Importance for birds of the riparian woodlands within the alluvial corridor of the river Garonne.- *Regulated rivers*, 1(4), 301-316.

Floodplain biodiversity, riparian forests, Middle Garonne river

Décamps, Fortuné, M., Gazelle, F., Pautou, G., 1988- Historical influence of man on the riparian dynamics of a fluvial landscape- *Landscape Ecology*, 1(3), 163-173.

Floodplain biodiversity, historical changes, middle garonne river

Deffontaines, P., 1932- Les hommes et leurs travaux dans les pays de moyenne Garonne- *Publications des Facultés Catholiques*, Lille, 462 p.

Historical changes, Middle Garonne river

- Dutil, L., 1979- *La Haute-Garonne et sa région (essai de géographie historique)*, Privat (Toulouse).
historical changes, Middle Garonne river.
- Favrot, J.-C., 1970- *Etude pédologique sur les terrasses alluviales de la Garonne et du Tarn, région Verdun sur Garonne, Grisolles, Labastide Saint Pierre.*- rapport edited by Direction Départementale de l'Agriculture (Montauban) et INRA (Montpellier) Seervice d'Etudes des Sols.
soils, Middle Garonne river
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ATLANTIC LOWLAND HYDROSYSTEMS

1- THE LOIRE RIVER HYDROSYSTEM

By courtesy and permission of Thierry Cornier

1-1 Loire river and tributaries (Allier, Cher, Vienne...)

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Wattez, J.-R., 1968- Contribution à l'étude de la végétation des marais arrière littoraux de la plaine picarde.- Thèse, Lille, 382p.
Floodplain biodiversity, vegetation classification, wetlands, Somme river

Wattez, J.-R., 1969- Aperçu sur la végétation des marais arrière littoraux de la plaine alluviale picarde.- *C.R. sommaires des séances de la Société de Biogéographie*, 45 (391), 41-46.
Floodplain biodiversity, vegetation classification, wetlands, Somme river

Wattez, J.-R., 1975- La végétation des berges des fleuves côtiers du nord de la France, en amont de leur embouchure.- *Colloques phytosociologiques*, 4, 367-393.
Floodplain biodiversity, vegetation classification, riparian forests, herbaceous communities, wetlands, Somme river

3- THE MEUSE, ESCAUT RIVERS HYDROSYSTEMS

3-1 Meuse river and tributaries (Sambre river, Ourthe river, Lesse river, Dijle river...)

Admiraal, W., Van de Velde, G., Smit, H., Cazemier, W.G., 1993- The rivers Rhine and Muse in the Netherlands: Present state and signs of ecological recovery;- *Hydrobiologia*, 265, 97-128.
Floodplain biodiversity, Lower Rhine river, Lower Meuse river

Bouchat, A., 1981- Etude d'un transect topographique dans l'ancien méandre recoupé de la Sambre à Gozée (Bois du Prince) pour la délimitation des groupes écosociologiques forestiers.- *Bull. Soc. Roy. Bot. Belg.*, 114-193-208.
floodplain biodiversity, riparian forests, soils, hydrological influences on vegetation, Sambre river

Delescaille, L.M., Hofmans, K., Woué, L., 1991- Les réserves naturelles du Viroin. trente années d'action d'Ardenne et Gaume dans la vallée du Viroin.- *Parc Nationaux*, 46, 4-68.
Floodplain biodiversity, historical change, Viroin river, Upper Meuse river

Denaeyer- De Smet, S., Duvigneaud, P., 1970- Phytogéochimie de deux biotopes alluviaux du bassin de la Lesse ardennaise.- *Bull. Inst. roy. Sci. Nat. Belg.*, 46(14), 18p.
Floodplain biodiversity, soils, Lesse river, Upper Meuse river

Dethioux, M., Noirfalise, A., 1984- La prairie sauvage à Reine des prés (*Valeriano-Filipenduletum*) en Haute et Moyenne Belgique.- *Colloques phytosociologiques*, 12, 119-124.
Floodplain biodiversity, vegetation classification, herbaceous communities, Meuse river, Escaut river

Dethioux, M., 1987- Contribution à l'étude des cours d'eau de Wallonie.- *Notes techniques du Centre d'Ecologie Forestière et Rurale (Gembloux)*, 54, 1-54.
Floodplain biodiversity, soils, riparian forests

Duvigneaud, J., 1958- Contribution à l'étude des groupements prairiaux de la plaine alluviale de la Meuse lorraine.- *Bull. Soc. Roy. Bot. Belg.*, 91, 7-77.
Floodplain biodiversity, vegetation classification, herbaceous communities, hydrological influences on vegetation, historical changes, Middle Meuse river.

Duvigneaud, J., Saintenoy-Simon, J., 1990- La flore et la végétation de la vallée du Hoyoux entre les Forges et Régissa (Marchin et Vierzet-Burse, province de Liège).- *Natura Mosana*, 43(3), 70-84.
Floodplain biodiversity, riparian forests, herbaceous communities, vegetation classification, Meuse river

Empain, A., 1973- La végétation bryophytique aquatique et subaquatique de la Sambre belge, son déterminisme écologique et ses relations avec la pollution des eaux.- *Lejeunia*, 69, 1-58.
Floodplain biodiversity, aquatic communities, historical changes, Sambre river

Gehu, J.-M., 1961- Les groupements végétaux de la Sambre française.- *Vegetatio*, 2-6, 69-372.

Floodplain biodiversity, vegetation classification, riparian forests, herbaceous communities, pioneer communities, hydrological influences on vegetation, historical changes, Sambre river.

Grevilliot, F., 1992- *Premiers éléments d'une étude de la dynamique de la végétation prairiale de la vallée de la Meuse dans le cadre de la mise en oeuvre de l'Article 19.*- Rapport, DEA, Ecologie, Université Metz & INPL de Nancy, 37p+ suppl.

Floodplain biodiversity, vegetation classification, herbaceous communities, hydrological influences on vegetation, historical changes, Upper Meuse river.

Grevilliot, F., Muller, S., 1995- Les groupements végétaux prairiaux de la plaine alluviale de la Meuse (Lorraine, France); position syntaxonomique et biogéographique dans le cadre ouest-européen.- *Colloques phytosociologiques*, 23 (1994), 115-144.

Floodplain biodiversity, vegetation classification, herbaceous communities, hydrological influences on vegetation, historical changes, Upper Meuse river.

Grevilliot, F., 1996- *Les écosystèmes prairiaux de la plaine alluviale de la Meuse lorraine. Phytosociologie, dynamique et fonctionnement, en relation avec les gradients hydriques et les modifications des pratiques agricoles.* -Thèse, Univ. Metz.

Floodplain biodiversity, hydrological influences on vegetation, herbaceous communities, Meuse rivers

Grévilliot, F., Muller, S., 1995- Application de l'analyse diachronique globale à l'étude de l'évolution d'une végétation prairiale.- *Comptes Rendus de l'Académie des Sciences* (Paris), Sciences de la Vie/ Life Sciences, 318(4), 491-497.

Floodplain biodiversity, vegetation classification, herbaceous communities, hydrological influences on vegetation, historical changes, Upper Meuse river.

Grévilliot, F., Broyer, J., Muller, S., 1998- Phytogeographical and phenological comparison of the Meuse and the Saone valley meadows (France).- *Journal of Biogeography*, 25(2), 339-360.

Floodplain biodiversity, herbaceous communities, soils, hydrological influences on vegetation, historical changes, Saône river, Meuse river

Honnay, O., Verhaeghe, W., Hermy, M., 2001- Plant community assembly along dendritic networks of small forest streams.- *Ecology*, 82(6), 1691-1702.

Floodplain biodiversity, riparian forests, Flemish Ardennes, Upper-Meuse river tributaries.

Isler, M., Beguin, D., Duval, T., Richard, P., 1987- *Les zones humides de Lorraine* - Ed Ministère de l'Environnement; Délégation à la Qualité de la Vie (Paris), 36p.

Floodplain biodiversity, wetlands, herbaceous communities, *Alnus glutinosa*, Upper Meuse river

Krebs, L., 2000- *Fonctionnement hydrochimique et biogéochimique d'un écosystème prairial inondable soumis à différentes pratiques agricoles. Exemple des prairies alluviales de la Meuse dans le secteur de Stenay.* - Thèse, Univ. Metz.

Floodplain biodiversity, hydrological influences on vegetation, herbaceous communities, Meuse rivers

Leclercq, L., 1977- Végétation et caractéristiques physico-chimiques de deux rivières de Haute Ardenne (Belgique): la Helle et la Roer supérieure.- *Lejeunia*, 88, 1-42.

Floodplain biodiversity, aquatic communities, herbaceous communities, Helle river, Roer river, Upper Meuse river

Lenssen, J.P.M., Menting, F.B.I., Van der Putten, W.H., Blom, C.W.P.M., 2000- Variation in species composition and species richness within *Phragmites australis* dominated riparian zones.- *Plant Ecology*, 147, 137-146.

Floodplain biodiversity, herbaceous communities, Lower Rhine river, Lower Meuse river, hydrological influences on vegetation.

Micha, J.-C., Borlee, M.-C., 1989- Recent historical changes on the Belgian Meuse." in: Petts, Möller & Roux eds "*Historical changes of large alluvial rivers: Western Europe.*", John Wiley, Chchester, 269-295. Historical changes, Meuse river

Muller, S., 2000- *Biodiversité et fonctionnement des écosystèmes prairiaux inondables des vallées alluviales dans le Nord-Est de la France.*- Rapport Programme National de Recherche sur les Zones humides.

Floodplain biodiversity, historical changes, herbaceous communities, Upper Meuse river

Noirfalise, A., Dethioux, M. 1980- Synopsis des forêts alluviales de Belgique.- *Colloques phytosociologiques*, 9, 217-226.

Floodplain biodiversity, riparian forests, vegetation classification, Meuse river, Escaut river

Petit, F. *et al.* , 1999- Planning of the river Ourthe in Wallonia, Belgium.- in: J. M. de Urena (ed) *River design and environmental protection in Europe* Universidad Cantabria press, Santander, pp 401-508.

Floodplain biodiversity, floodplain restoration, Ourthe river, Upper-Meuse river

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Floodplain biodiversity, riparian forests, herbaceous communities, Lower Meuse river

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Floodplain biodiversity, Meuse river

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Floodplain biodiversity, Meuse river

Smit, H., Van der Velde, G., Smits, R., Coops, H., 1997- Ecosystems responses in the Rhine-Meuse delta during two decades after enclosure and steps toward estuary restoration. - *Estuaries*, 20, 504-520.

floodplain biodiversity, aquatic communities, herbaceous communities, floodplain restoration, Lower Meuse river

Sougnéz, N., Dethioux, M., 1975- La végétation riveraine à hautes herbes nitrophiles en Belgique.- *Beitr. Naturkd. Forsch. Südwestdeutsch.*, 34, 345-356

Floodplain biodiversity, herbaceous communities, vegetation classification, Sambre river, Escaut river, Meuse river

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Floodplain biodiversity, riparian forests, herbaceous communities, floodplain restoration, vegetation mapping, historical changes, Lower Meuse river

Vanacker, S., Van Looy, K., De Blust, G., 1998- Typologie en habitatmodellering van de oevers van Grensmaas.- (in Flemish)- Ed. Instituut voor Natuurbehoud (Brussel), 92p.

Floodplain biodiversity, riparian forests, herbaceous communities, floodplain restoration, vegetation mapping, historical changes, Lower Meuse river

Verbraak, P., 1999- Re-naturalization projects for the river Meuse: new opportunities for nature with an integrated water management approach.- in: (Kucharczyk, M. ed) "*Problemy ochronny i renaturalizacji dolin du ychrzek Europy (Re- naturalization of European floodplains)*", Maria Curie-Sbodowska University Press (Lublin), 209-213.

Floodplain biodiversity, historical changes, floodplain restoration, Meuse river

Verbraak, P., Krogulec, J., 1999- The Vistula as a target in the re-naturalization project for the river Meuse.- in: (Kucharczyk, M. ed) "*Problemy ochronny i renaturalizacji dolin du ychrzek Europy (Re- naturalization of European floodplains)*", Maria Curie-Sbodowska University Press (Lublin), 9-17.

Floodplain biodiversity, historical changes, floodplain restoration, Meuse river, Vistula river

3-2 Escaut river and tributaries (Scarpe river, Lys river...)

De Becker, P., Hermy, M., Butaye, J., 1999- Ecohydrological characterization of a groundwater-fed alluvial floodplain mire.- *Applied Vegetation Science*, 2, 215-228.
Floodplain biodiversity, herbaceous communities, soils, ground watertable, wetlands, Dijle river

Dethioux, M., Noirfalise, A., 1984- La prairie sauvage à Reine des prés (*Valeriano-Filipenduletum*) en Haute et Moyenne Belgique.- *Colloques phytosociologiques*, 12, 119-124.
Floodplain biodiversity, vegetation classification, herbaceous communities, Meuse river, Escaut river

Huybrechts, W., De Becker, P., Raymaeker, F., Saey, F., 2000- Floodplain restoration of the Dijle River.- *Proceedings of the Conference "River Restoration 2000", RIZA (NL) & European Centre for River Restoration (ECRR)*.
Dijle river, floodplain restoration

Hermy, M., Stieperaere, H., 1981- An indirect gradient analysis of the ecological relationships between ancient and recent riverine woodlands to the south of Bruges (Flanders, Belgium).- *Vegetatio*, 44, 43-49.
Floodplain biodiversity, hardwood forests, Lower Escaut river

Lericq, R., 1965- *Contribution à l'étude des groupements végétaux du bassin français de l'Escaut*.- Thesis, Univ. Lille, 153p.
Floodplain biodiversity, vegetation classification, riparian forests, herbaceous communities, hydrological influences on vegetation, historical changes, Upper Escaut river

Noirfalise, A., Dethioux, M. 1980- Synopsis des forêts alluviales de Belgique.- *Colloques phytosociologiques*, 9, 217-226.
Floodplain biodiversity, riparian forests, vegetation classification, Meuse river, Escaut river

Sougniez, N., Dethioux, M., 1975- La végétation riveraine à hautes herbes nitrophiles en Belgique.- *Beitr. Naturkdl. Forsch. Südwestdeutsch.*, 34, 345-356
Floodplain biodiversity, herbaceous communities, vegetation classification, Sambre river, Escaut river, Meuse river

Tanghe, M., 1975- Etudes écologiques de l'écosystème urbain bruxellois; 5: premier aperçu sur les prairies marécageuses semi-naturelles de la vallée de la Woluwe à Woluwe Saint Lambert.- *Bull. Soc. r. Bot. Belge*, 108(1), 79-91.
Floodplain biodiversity, vegetation classification, herbaceous communities, Escaut river

Verheyen, K., Hermy, M., 2001- The relative importance of dispersal limitation of vascular plants in secondary forest succession in Muizen Forest, Belgium.- *Journal of Ecology*, 89, 829-840.
Floodplain biodiversity, riparian forests, hardwood forests, historical changes, Escaut river and tributaries.

4- THE WESER, EMS HYDROSYSTEMS

4-1 The Weser river (general)

Busch, D., Schirmer, M., Schuchardt, B., Ullrich, P., 1989- Historical changes of the river Weser.- in: Petts, Möller & Roux eds "*Historical changes of large alluvial rivers: Western Europe*.", John Wiley, Chichester, 297-321.
Historical changes, floodplain biodiversity, Weser river

Dierschke, H. & Jeckel, G., 1977- Das *calystegio-archangelicum littoralis* in Nordwest-Deutschland.- *Mitt. der Flor. soz. Arbeitsgemeinschaft*, 19/20, 115-123
floodplain biodiversity, herbaceous communities, Weser river, Elbe river

Dierssen, K., 1989- L'évolution des groupements influencés par la nappe phréatique dans la plaine du Nord-Ouest de l'Allemagne; conséquences pour les mesures d'exploitation extensive et de déprise agricole. *Colloques phytosociologiques*, 16, 483-499.
floodplain biodiversity, herbaceous communities, historical changes, Weser river, Ems river, Elbe river

Kern, K., 1992- Restoration of lowland rivers: the German experience.- in: Carling & Petts (eds) "*Lowland floodplain rivers*", Wiley (Chichester), 279-297.

Elbe river, Weser river, Ems river and tributaries, floodplain restoration.

Passarge, H., Hofmann, G., 1968- *Pflanzengesellschaften des nordostdeutschen Flachlandes (2: Pflanzensoziologie, 16)*- Gustav Fischer (Jena), 298 p.

Floodplain biodiversity, vegetation classification, Weser river

4-2 The Upper Weser and tributaries (Fulda, Upper-Aller rivers...)

Arkenau, T. & Wucherpfennig, G., 1985- Das Luzulo-sylvatici-Alnetum glutinosae (Waldhainsimsen-Schwarzerlenwald) eine neue Alno-Padion Assoz. der unteren Fagion Stufe.- *Philippia*, 5(3), 197-205.

Floodplain biodiversity, vegetation classification, softwood forests, hardwood forests, *Alnus glutinosa*, Fulda river, Upper-Weser

Brandes, D., Oppermann, F.W., (1994): Die Uferflora der oberen Weser. - *Braunschweiger Naturk. Schr.*, 4, 575-607.

Floodplain biodiversity, herbaceous communities, aquatic communities, Upper Weser river

Dierschke, H., Hülbusch, K.H. & Tüxen, R., 1973- Eschen-, Erlen-Quellwälder am Südwestrand der Bückeberge bei Bad-Eilsen, zugleich ein Beitrag, zur örtlichen pflanzensoziologischen Arbeitsweise.- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft*, 15/16, 153-164.

Floodplain biodiversity, vegetation classification, hardwood forests, softwood forests, *Alnus glutinosa*, *Fraxinus excelsior*, hydrological influence on vegetation, Upper Weser

Grüger, E., 1980- Das Alter des Quell-Erlenwaldes Fickers Busch bei Rintel a.d. Weser nach pollenanalytischen Untersuchungen.- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft*, 22, 139-144.

floodplain biodiversity, riparian forests, *Alnus glutinosa*, historical changes, Upper Weser

Koenies, H. & Glavac, V., 1979- Über die Konkurrenzfähigkeit des Indischen Springkrautes (*Impatiens glandulifera*, Royle) am Fuldaufer bei Kassel.- *Philippia*, 4(1), 47-59.

floodplain biodiversity, *Impatiens glandulifera*, Fulda river, Upper Weser

Krause, A., 1979- Zur Kenntnis des Wasserpflanzenbesatzes des westdeutschen Mittelgeirflüsse, Fulda, Ahr und Saar.- *Decheniana*, 132, 15-28.

Floodplain biodiversity, aquatic communities, historical changes, Fulda river, Ahr river, Saar river.

Lohmeyer, W., 1953- Beitrag zur Kenntnis der Pflanzengesellschaften in der Umgebung von Höxter a.d. Weser.- *Mitt. Floristisch-soziologische Arbeitsgemeinschaft*, N.F., 4, 59-76.

Floodplain biodiversity, vegetation classification, riparian forests, herbaceous communities, Upper Weser

Mast, R., 1995- Naturnahe Vegetation an Quellstandorten im Weser-Leinebergland (Süd-Niedersachsen).- *Tuexenia* 15, 139-159.

Floodplain biodiversity, vegetation classification, aquatic communities, Upper-Weser, Upper-Leine

Mast, R., 1999- Hydrologische und hydrochemische Bedingungen in verschiedenen Erlenwald-Gesellschaften Südniedersachsens.- *Crunoecia*, Solingen, 6, 73-83.

Floodplain biodiversity, riparian forests, *Alnus glutinosa*, vegetation classification, Upper Weser and tributaries, Middle Elbe and tributaries

Mast, R., 1999- Vegetationsökologische Untersuchung der Feuchtwald-Gesellschaften im niedersächsischen Bergland. Mit einem Beitrag zur Gliederung der Au-, Bruch- und Moorwälder in Mitteleuropa.- *Arch. Naturwiss. Diss.*, 8: 1-283.

Floodplain biodiversity, riparian forests, vegetation classification, Upper Weser and tributaries, Middle Elbe and tributaries

Mäusbacher, R., Igl, M., Schneider, H., Daut, G., Ellenberg, J., 2001- Response of the Werra River (Germany) to environmental changes- *Conference PAGES - PEPIII: Past Climate Variability-Through Europe and Africa, Aix en Provence, August 2001.*

Floodplain biodiversity, historical changes, riparian forests, Werra river, Upper Weser

NIESSNER, A., 1993- Uferwälder in Nordhessen und Südniedersachsen . Eine Herausforderung an den Naturschutz. -*Philippia* (Kassel), 6 (4), 271-312.

Floodplain biodiversity, riparian forests, vegetation classification, Upper Weser and tributaries, Middle Elbe and tributaries

Nieschalk, A., Nieschalk, C., 1984- Die Ederauen bei Obermöllrich.- *Colloques phytosociologiques*, 9, 441-445.

Floodplain biodiversity, riparian forests, historical changes, Eder river, Fulda river

Oberdorfer, E., 1953- Der europäischen Auenwald.- *Beitr. zur Naturkndl. Forsch. in Südwestdeutsch.*, 12 (1), 23-70.

floodplain biodiversity, vegetation classification, riparian forests, herbaceous communities, Oder, Weser, Elbe, Rhine, Danube rivers.

Projekt Gruppe Weserniederung- 2000- *Wanderausstellung der Projektgruppe "Oberweserniederung" Neue Wege für die Flußlandschaft Regeneration von Auenstandorten-* website: <http://www.hx.uni-paderborn.de/fb7/fachgebiete7/weser/ausstell.htm>

Floodplain biodiversity, floodplain restoration, riparian forests, Upper Weser river

Röttcher, K., Tönsmann, F., Möglichkeiten und Grenzen des dezentralen Hochwasserschutzes im Mittelgebirge am Beispiel der Bauna. (Potential and limitations of a decentralised flood protection approach in the German Mittelgebirge: the Bauna River case study).- *Wasser & Boden*, 10 (1), Flooding, hydrological influences on vegetation, soils, Bauna river, Upper Weser river

Sauer, H., 1977- Werraue und Talhänge am Jestädter Weinberg und Fürsten steln bei Eschwege (Nordhessen).- *Philippia* ,3(3), 224-238.

floodplain biodiversity, historical change, Werra river, Upper Weser

Seehaus, A. & Koebele, A., 1991- Aquatic flora of the Calenberger region and the Leine river floodplain: repetition of the Weber-Oldecop studies of 1972.- *Floristische Rundbriefe*, 25(2), 103-106.

Floodplain biodiversity, aquatic communities, Leine river, Upper Weser river

Tüxen, R., 1977- Das Ranunculo-repentis- Agropyretum repentis, eine neue entstandene Flutrasen-Gesellschaft an der Weser und an anderen Flüssen.- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft* ,19/20, 219-223.

floodplain biodiversity, vegetation classification, herbaceous communities, Weser river and tributaries

Tüxen, R., 1978- Versuch zur sigma-syntaxonomie Mitteleuropäischer Flusstal-Gesellschaften.- *Ber. des Intern. Symp. der Intern. Vereinigung für Vegetationskunde herausgeben von R. Tüxen*, ed Cramer,273-286.

Floodplain biodiversity, vegetation classification, Weser, Rhine, Elbe rivers

Tüxen, R., Ohba, T., 1975- Zur Kenntnis von Bach- und Quell-Erlenwäldern (Stellario nemori-Alnetum glutinosae und Ribo sylvestris Alnetum glutinosae)- *Beitr.Naturkndl. Forsch. Südwestdtsch.*, 34, 387-401.

floodplain biodiversity, riparian forests, Alnus glutinosa, Upper Weser and tributaries

Wiegleb, G., 1977- Die Wasser- und Sumpfpflanzen Gesellschaften der Teiche in der Naturschutzgebieten am Harz.- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft* ,19/20, 157-209

floodplain biodiversity, vegetation classification, aquatic communities, herbaceous communities, riparian forests, Alnus glutinosa, tributaries of the Upper Weser

WIEGLEB, G., LEHMANN, A., HAUSFELD, R. , 1991- Die Erlenwälder im nordwestlichen Niedersachsen. Methodik der Aufnahmen, floristisches Inventar und Gliederung nach strukturellen und floristischen Kriterien. - *Tuexenia* (Göttingen), 11,309-343.

Floodplain biodiversity, riparian forests, Alnus glutinosa, Upper Weser and tributaries, vegetation classification.

Worbes, M., 1985- Vegetation und Lebensbedingungen in der Fulda.- *Philippia* ,5(3), 206-235.

floodplain biodiversity, aquatic communities, Fulda river, Upper Weser,

4-3 The Lower Weser and tributaries (Lower Aller, Hunte, Oker rivers...)

Ahrens, J., 1997- *Szenarien für die Renaturierung des Wasserhaushaltes in der Teufelsmoor-Wümme-Niederung.*- Die vorliegende Internet-Version der Diplomarbeit wurde inhaltlich um einige allgemeine Gliederungspunkte sowie um Abbildungen, Tabellen, Fußnoten und Literaturhinweise gekürzt.
<http://www.uni-kiel.de:8080/Geographie/Diplom-Home/ahrens97/ahrens.html>

Floodplain restoration Wümme river, Lower Weser river

Brandes, D., (1992)- Ruderal- und Saumgesellschaften des Okertals. - *Braunschweiger Naturk. Schr.*, 4(1), 143-165.

Floodplain biodiversity, Oker river

Dierschke, H., 1979- Laubwald-Gesellschaften im Bereich der unteren Aller und Leine (Nordwestdeutschland).- *Documents phytosociologiques*, 4, 235-252.

Floodplain biodiversity, riparian forests, vegetation classification, Leine river, Aller river

Dierschke, H. & Jeckel, G., 1980- Flussrasen Gesellschaften der Agropyro Rumicion im Allertal (NW Dtschld)- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft*, 22, 77-81.

Floodplain biodiversity, vegetation classification, herbaceous communities, hydrological influence on vegetation, Aller river, Lower Weser

Dierschke, H. Otte, A. & Nordmann, H., 1983- Die Ufervegetation des Fließgewässers des Westharzes und seines Vorlandes. - *Natursch. Landschaftspflege, Nieders*, 4, 1-84.

Floodplain biodiversity, vegetation classification, Lower Weser tributaries

Dierschke, H., 1984- Auswirkungen des Frühjahrhochwassers 1981 auf die Ufer-vegetation im Südwestlichen Harzvorland mit besonderer Berücksichtigung kurzlebiger Pioniergesellschaften.- *Braunschweig Naturk. Schr.*, 2(1), 19-39.

floodplain biodiversity, pioneer communities, vegetation classification, flooding, Lower Weser and tributaries

Döring-Mederake U., 1991- Feuchtwälder im nordwestdeutschen Tiefland; Gliederung, Ökologie, Schutz.- (Moist forests in the lowlands of northwestern Germany: Classification, ecology, protection).- *Scripta Geobotanica*, 19(0), 1-122 (in German)

floodplain biodiversity, vegetation classification, riparian forests, Lower Weser river and tributaries, Ems river, Hunte river, Oste river, Lower Leine river, Hase river, Soeste river, Wümme river

Grosse-Brauckmann, G. & Dierssen, K., 1973- Zur historischen und aktuellen Vegetation im Poggenpohlsmoor bei Dötlingen (Oldenburg).- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft*, 15/16, 109-145.

Floodplain biodiversity, herbaceous communities, riparian forests, vegetation classification, hydrological influences on vegetation, historical changes, Hunte river, Lower Weser

Grote, S. & Brandes, D., 1991- The riverbank flora in town centres : exemplified by the Oker river banks in Brunswick.- *Braunschweiger Naturk. Schr.*, 3(4), 905-924.

floodplain biodiversity, historical change, floodplain restoration, Oker river,

Heinken, T., 1990- Pflanzensoziologische und ökologische Untersuchungen offener Sandstandorte im östlichen Aller-Flachland (Ost-Niedersachsen).- *Tuexenia*, 10, 223-257.

Floodplain biodiversity, vegetation classification, Aller river

Hoselmann, C., Streif, H., 2001- Mass balance study of Holocene sediment accumulation between the Ems and Weser estuaries on

the German North Sea coast- *Conference PAGES - PEP3: Past Climate Variability Through Europe and Africa August 27-31, 2001 Aix-en-Provence, France*

Floodplain biodiversity, historical changes, Lower Weser, Lower Ems

Hülbusch, K.H., 1969- *Rumex obtusifolius* in einer neuen Flutrasen- Gesellschaft an Flussufern Nordwest- und Westdeutschlands.- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft* ,14, 169-178.
floodplain biodiversity, vegetation classification, pioneer communities, hydrological influences on vegetation, Lower Weser river.

Hülbusch K.H., 1973- Beitrag zur Soziologie der Filipendulion Gesellschaften.- *Mitt. der Florist.- Soziol. Arbeitsgemeinschaft* ,15/16, 91-97.
floodplain biodiversity, vegetation classification, herbaceous communities, historical change, Lower Weser river, Hamme, Deick, Wümme rivers

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Floodplain biodiversity, herbaceous communities, Elbe, Ems, Weser

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Floodplain biodiversity, historical change, Lower Weser

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Floodplain biodiversity, herbaceous communities, floodplain restoration, Wümme river, Lower Weser river

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Floodplain biodiversity, herbaceous communities, Wümme river, floodplain restoration, Lower Weser river

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Floodplain biodiversity, herbaceous communities, historical changes, Oker river

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Floodplain biodiversity, herbaceous communities, historical changes, Lower Weser

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Floodplain biodiversity, herbaceous communities, historical changes, Oker river

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Floodplain biodiversity, pioneer communities, Oker river, Leine river, Rhume river, Lower Weser tributaries

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floodplain biodiversity, riparian forests, softwood forests, *Alnus glutinosa*, Oker river, Leine river

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Floodplain biodiversity, softwood forests, willows, Weser river and tributaries.

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Floodplain biodiversity, historical changes, Lower Weser river

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Floodplain restoration, Lower Weser

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floodplain biodiversity, vegetation classification, historical changes, riparian forests, wetlands, herbaceous communities, Hunte river, Weser river

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floodplain biodiversity, historical changes, riparian forests, wetlands, Hunte river, Weser river

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Floodplain biodiversity, riparian forests, hydrological influences on vegetation, vegetation classification, Ems river and tributaries.

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Floodplain biodiversity, riparian forests, Lower Weser

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Floodplain biodiversity, herbaceous communities, floodplain restoration, Wümme river, Lower Weser river

4-4 The Ems River and tributaries (Hase river)

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floodplain biodiversity, hydrological influences on vegetation, herbaceous communities, pioneer communities, Ems river

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Floodplain biodiversity, riparian forests, floodplain restoration, Ems river

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Floodplain biodiversity, historical changes, Lower Weser, Lower Ems

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Floodplain biodiversity, Herbaceous communities, riparian forests, Ems river

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Floodplain biodiversity, Herbaceous communities, riparian forests, floodplain restoration, Ems river

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Floodplain biodiversity, Ems river

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Floodplain biodiversity, herbaceous communities, Elbe, Ems, Weser

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Floodplain river restoration, Ems river

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Floodplain biodiversity, riparian forests, hydrological influences on vegetation, Ems river.

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Floodplain biodiversity, vegetation classification, riparian forests, Salix, Alnus glutinosa, hydrological influences on vegetation, historical changes, Hase river, Ems river

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Floodplain biodiversity, vegetation classification, aquatic communities, hydrological influences on vegetation, historical changes, Hase river, Ems river

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Floodplain biodiversity, riparian forests, hydrological influences on vegetation, Ems river.

Tüxen, R., 1974- Das Lahrer Moor.- *Mitt. der Flor. soz. Arbeitsgemeinschaft* ,17, 39-68.
Floodplain biodiversity, vegetation classification, riparian forests, Salix, Alnus glutinosa, hydrological influences on vegetation, historical changes, Hase river, Ems river

Tüxen, R., 1974- Die Haselünner Kuhweide.- *Mitt. der Florist.- soz. Arbeitsgemeinschaft*, 17, 69-102.
Floodplain biodiversity, vegetation classification, aquatic communities, hydrological influences on vegetation, historical changes, Hase river, Ems river

EAST-EUROPEAN CARPATHIAN RIVERS

1- THE ELBE HYDROSYSTEM

1-1 Elbe river (general)

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Floodplain biodiversity, soils, hydrological influences on vegetation, Elbe river, Oder river

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Floodplain biodiversity, Elbe river

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Floodplain biodiversity, Elbe river

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floodplain biodiversity, herbaceous communities, Weser river, Elbe river

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floodplain biodiversity, Elbe river, vegetation mapping

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Floodplain biodiversity, hydrological influences on vegetation, Elbe river

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Elbe river, Weser river , Ems river and tributaries, floodplain restoration.

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floodplain biodiversity, riparian forests, herbaceous communities, vegetation classification Elbe river and tributaries.

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Floodplain biodiversity, vegetation classification, Elbe river, Oder river and tributaries.

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Elbe river, historical changes

1-2 Upper Elbe (Moldau river, Egger river,...)

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floodplain vegetation, soils, Upper Elbe river

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Riparian forests, hardwoodforests, Upper Elbe river and tributaries

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Floodplain biodiversity, pioneer vegetation, Moldau river, Weser river.

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Floodplain biodiversity, historical changes, Elbe river

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Floodplain biodiversity, herbaceous communities, Elbe river,
historical changes, hydrological influences on vegetation, vegetation dynamics, Upper Elbe,

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Floodplain biodiversity, aquatic communities, Upper Elbe river

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Floodplain biodiversity, Elbe river, riparian forests, *Alnus glutinosa*, *Alnus incana*, Elbe river tributaries
historical changes, hydrological influences on vegetation, vegetation dynamics,

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floodplain biodiversity , riparian forests, vegetation classification, Upper Elbe river

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floodplain biodiversity , riparian forests, vegetation classification, Upper Elbe river

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Riparian forests, hardwood forests, Upper Elbe river and tributaries

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floodplain biodiversity, hydrological influences on vegetation, ground water table, Luznice river, Upper Elbe river

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Hydrological influences on vegetation, soils, groundwatertable, riparian forests, Upper Elbe river and tributaries

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Floodplain biodiversity, floodplain restoration, riparian forests, Upper Elbe river

1-3 Lower Elbe, Middle Elbe (Saale river, Spree river, Elster river, Pleisse river)

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Floodplain restoration, Middle Elbe river, riparian forests, Mulde river, Elster river

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Floodplain biodiversity, historical changes, Spree river, Lower Elbe river

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floodplain biodiversity, riparian forests, hydrological influences on vegetation, Spree river

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Floodplain biodiversity, herbaceous communities, riparian forests, soils, hydrological influences on vegetation, Middle Elbe river

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Floodplain biodiversity, riparian forests, Middle Elbe river

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Floodplain biodiversity, riparian forests, vegetation classification, historical changes, Middle Elbe river

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Floodplain biodiversity, dikes, Middle Elbe river

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Floodplain biodiversity, pioneer communities, vegetation classification, Middle Elbe river

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Floodplain biodiversity, herbaceous communities, vegetation classification, historical changes, dikes, embankments, Middle Elbe river

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floodplain biodiversity, pioneer communities, Middle Elbe river

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Floodplain biodiversity, riparian forests, Mulde river

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Floodplain biodiversity, soils, historical changes, Lower Elbe river, Spree river

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Floodplain restoration, Elster river

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Floodplain biodiversity, historical changes, floodplain restoration, Weisse, Elter, Pleisse rivers

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Floodplain biodiversity, historical changes, floodplain restoration, Weisse, Elter, Pleisse rivers

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Floodplain biodiversity, herbaceous communities, riparian forests, hydrological influences on vegetation, flooding, Oker river, Upper-Elbe river, Mulde river, Elster river

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Floodplain biodiversity, herbaceous communities, riparian forests, hydrological influences on vegetation, flooding, Oker river, Upper-Elbe river, Mulde river, Elster river

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Floodplain biodiversity, riparian forests, vegetation classification, Upper Elbe river and tributaries

Dierschke, H., Otte, A., Nordmann, H., 1983- Die Ufervegetation der Fließgewässer des Westharzes und seines Vorlandes. - *Naturschutz und Landschaftspflege in Niedersachsen* (Hannover), 4, 1-83.

Floodplain biodiversity, herbaceous communities, riparian forests, hydrological influences on vegetation, flooding, Oker river, Upper-Elbe river, Mulde river, Elster river

Dierschke, H., 1984- Auswirkungen des Frühjahrshochwassers 1981 auf die Ufervegetation im südwestlichen Harzvorland mit besonderer Berücksichtigung kurzlebiger Pioniergesellschaften. - *Braunsch. Naturk. Seh.*, 2, 19-39

Floodplain biodiversity, herbaceous communities, riparian forests, hydrological influences on vegetation, flooding, Oker river, Upper-Elbe river, Mulde river, Elster river

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Floodplain biodiversity, riparian forests, vegetation classification, Upper Elbe river and tributaries

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Floodplain biodiversity, riparian forests, Alnus glutinosa, hydrological influence on vegetation, vegetation classification, Upper Elbe river and tributaries

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floodplain biodiversity, vegetation classification, riparian forests, Lower Elbe river and tributaries

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Floodplain biodiversity, riparian forests, Lower Elbe river

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Sols, floodplain biodiversity, Middle Elbe river

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Historical changes, Middle Elbe river

Gröngröft, A. 1999- Die Überflutungswahrscheinlichkeit der Auen im Bereich der unteren Mittelelbe. - *Hamburger Bodenkundliche Arbeiten*, 44, 171-180.

soils, Middle Elbe river

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2- THE ODER HYDROSYSTEM

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3-3 Lower and Middle Vistula and tributaries (Bug, Narew, Pilica...)

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