**Flo**odplain **B**iodiversity **A**nd **R**estoration 2: Integrated natural science and socio-economic approaches to catchment flow management
(**FLOBAR 2**)[1].

**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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*Homepage: http://www.geog.cam.ac.uk/RESEARCH/FLOBAR2.HTM*

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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 Appeninno ranges (Arno, Ombronne, 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.

# Aknowledgements:

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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. Guilloy, 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

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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, riaprian forests, historical changes.

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Historical changes, floodplain forests, Rhône river

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fluvial geomorphology, riparian forests, historical changes, hydrological influences on vegetation,Rhône river, floodplain restoration

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

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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..

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

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

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

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floodplain biodiversity, plant succession, Giffre river

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floodplain biodiversity, floodplain restoration, Upper Rhône river

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3- 1988- secteur "Pont de Jons- Parc de Miribel-Jonage" (en collaboration avec A. Guigue)
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Historical changes, herbaceous communities, Saône river

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**1-6 Lower Rhône and tributaries (Ardèche, Drôme & Durance rivers)**

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Floodplain biodiversity, riparian communities, plant succession, Drôme river, Mapping.

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Floodplain restoration, historical changes, Lower Rhône river

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# 2- THE RHINE RIVER HYDROSYSTEM

## 2-1 Rhine river (General)

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Floodplain restoration, Rhine river

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floodplain biodiversity, floodplain restoration, mapping, vegetation classification, historical change, Rhine

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**2-2 Swiss Upper-Rhine and tributaries (Aare, Reuss, Thurr...)**

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Floodplain biodiversity, floodplain restoration, riparian forests, Upper-Rhine river, Liechtenstein

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floodplain biodiversity, vegetation classification, riparian forests, herbaceous communities, vegetation mapping, Reuss river, Upper Rhine river

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Floodplain biodiversity, Floodplain restoration, perturbation, plant succession, vegetation classification (various communities), Aar river, Rhine.

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floodplain biodiversity, floodplain restoration, mapping, vegetation classification, historical change, Rhine

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Floodplain biodiversity, vegetation classification (grey alder forests), soils

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Heller, H., 1969- Lebensbedingungen und Abfloge der Flussauenvegetation in der Schweiz. *Mémoire de l'Institut suisse de recherches forestières*, 45 (1), 1-124.
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Floodplain biodiversity, floodplain restoration, Reuss river, Upper Rhine river

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Floodplain biodiversity, vegetation classification (all communities), soils, vegetation dynamics, plant succession; Rhine and tributaries, Rhone and tributaries, Danube and tributaries

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Floodplain biodiversity, vegetation classification (all communities), soils, vegetation dynamics, plant succession; Swiss rivers (Rhine and tributaries)

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Wildi, O., 1989- Analysis of the desintegrating group and gradient structure in swiss riparian forests- *Vegetatio*, 83 (1/2), 167-178.
Floodplain biodiversity, riparian forests, historical change

**2-3 French/German Upper and Middle-Rhine and tributaries (Ill, Elz..)**

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Floodplain biodiversity, riparian forests, hardwood forests, Upper Rhine

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Floodplain restoration, floodplain biodiversity, vegetation classification, hydrological influences on floodplain vegetation, historical change (Offendorff), hardwood forests

Carbiener, D., 1989- *Etude de la recolonisation forestière en milieu aluvial rhénan des terres mises à nu par le chantier du canal d'Alsace. Apport à la compréhension de la dynamique forestière alluviale.* DEA, Université Paris XI-Orsay.

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Floodplain forest, floodplain biodiversity, floodplain restoration

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floodplain biodiversity, vegetation classification, vegetation dynamics, mapping, hydrological influences on floodplain vegetation, historical change, soils and geomorphology

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**2-4- German Middle-Rhine and tributaries (Neckar, Main, Mosel...)**

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Duvigneaud, J., 1985- La végétation des vases et des graviers exondés en Lorraine française (départements de la Meurthe et Moselle, de la Meuse et de la Moselle); ordre des Bidentetalia.- *Colloques phytosociologiques*, 12, 449-469.
Floodplain biodiversity, pioneer communities, vegetation classification, Mosel river

Edelbutte, S., 2000- "Logique d`exploration" ou " logique de protection" dans la vallée de la moyenne Moselle. Le paysage revelateur des conflicts spatiaux lies a l`extraction des alluvions.-*Géocarrefour* , 75,(4), 293-304.
Historical changes, Mosel river

Fabri, R., 1977- Végétation, production primaire et caractéristiques physico-chimiques d'une rivière de Haute ardenne (Belgique): la Warche supérieure.- *Lejeunia,* 87, 1-43.
Floodplain biodiversity, vegetation classification, Warche river, Upper Mosel river

Fezer, F., 2000- Häufigkeit und jahreszeitliche Veränderung der Hochwasser am unteren Neckar vor und nach1850.- *Hydrologie und Wasserbewirtschaftung*, ,44, (1), 34-35.
Hydrological influences on vegetation, historical changes, Neckar river

Hachtel, M., Weddeling, K., Möseler, B.M., 1999- Flora und Vegetation der Rheinufer bei Bonn (Characteristics of flora and vegetation in the banks of the river Rhine in the area near Bonn.) - *Decheniana,* 152, 65-81.
Floodplain biodiversity, riparian forests, herbaceous communities, Middle-Rhine river

Henning, F., Schleuter, M. , Weber, B., 2000- Kompensationsmaßnahmen entlang des Mains. Bewertung anhand der Eignung als Lebensraum für Vögel.- *Naturschutz und Landschaftsplanung*, 32, (1),334-339.
Floodplain biodiversity, riparian forests, Main river

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 Mosel river

Kappen, L., 1979- Auenwaldreste des Mains im Garstädter holz und Elmuss bei Schweinfurt (Unterfranfen)- *Mitt. der Flor.- sociol. Arbeitsgemeinschaft,* 25, 181-195.
Floodplain biodiversity, vegetation classification, riparian forests (alder, elm, oak), mapping, historical change, Main, Rhine,

Klauck, E.J., 1985- *Natürliche Laubwaldgesellschaften im südwestlichen Hunsrück- Eine Vegetationskundliche Untersuchung im schawarzwälder Hochwald.*- Ed. Haag & Herchen, Frankfurt/Main, 74p., 1 map.
Floodplain biodiversity, riparian forests, Alnus glutinosa, vegetation classification, Drohn river, Nahe river, Upper Mosel river

Klauck, E.J., 1988- Der Hexenkraut-Bergahornwald- Ergebnis einer Untersuchung in Hausrück Odenwald und Vogesen.- *Mainzer Naturw. Archiv.*, 26, 11-21.
Floodplain biodiversity, wetlands, herbaceous communities, vegetation classification, Upper Mosel river

Klauck, E.J., 1989- Diskussion zur Kenntnis der Ackerrand-Unkrautgesellschaften im west Hunsrück.- *Beitr. Landespflege Rheinland-Pfalz*., 12, 7-12.
Floodplain biodiversity, vegetation classification, historical changes, Upper Mosel river, Saar river, Ruwer river, Prims river, Drohn river

Lohmeyer, W., 1960- Zur Kenntnis der Erlenwälder in der nordwestlichen Randgebieten der Eifel- *Mitt. Floristisch-soziologische Arbeitsgemeinschaft*, N.F., 8, 209-221.
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

Mühl, M., 1997- Kartierung der Auenvegetation von Stadtbächen in Saarbrücken. - *Braunschweiger Geobotanische Arbeiten.* - Braunschweig, 4 (1996), 181-197.
Floodplain biodiversity, vegetation mapping, Saar river

Muller, S., 1989- Esquisse phytosociologique des herbages de la haute vallée de la Moselle (département des Vosges); leur évolution après la déprise agricole.- *Colloques phytosociologiques*, 16, 515-528.
Floodplain biodiversity, herbaceous communities, historical changes, Mosel river

Hild, J. & Rehnelt, K., 1971- Ökosoziologische Untersuchungen an einigen niederrheinischen Meeren - *Ber. dtsch. bot. Gesellsch.*, 84 (1-2), 19-29.
Floodplain biodiversity, vegetation classification (macrophytes, herbaceous communities), Rhine

RIPFOR, 2000- "*Hydraulic, Sedimentological and Ecological Problems of Multifunctional Riparian Forest Management*"- web site: http://www.geog.fu-berlin.de/~ripfor/project.htm.
Floodplain biodiversity, riparian forests, Middle Rhine river, Enz river

Rodi, D., 1968- Die Vegetationmosaïk als grunlage der naturräumlichen Gliederung am Beispiel des Leintales bei Schwäbisch Gmünd- *Pflanzensoziol. Landschaftsökologisch. Ber. 7 Symp., Stolzenau/Weser, ed. Jung Verlag, Den Haag, NLD,* 102-110.
Floodplain biodiversity, Riparian vegetation, Rhine tributaries, Lein, Kocher, Main.

Settler, H., 2000- Die Moselkanalisation. Kurzbeitrag zur Generaldiskussion.- *Kulturlandschaft*, 10, (1), 209-212.
Historical changes, Mosel river.

Siebel, H. , Bouwma, I.M. 1998- The occurrence of herbs and woody juveniles in a hardwood floodplain forest in relation to flooding and light .- *J. Veg. Sci.* , 9, 623-630.
hydrological influences on vegetation, riparian forests, softwood forests, herbaceous communities, Rhine river

TITTIZER, T., (Ed.), 1996-*Ökosystemforschung: der Rhein und seine Auen - eine Bilanz*, erstellt in der Bundesanstalt für Gewässerkunde, Berlin [u.a.]: Springer, Berlin/Heidelberg 468p.
Floodplain biodiversity, Umpper Rhine, Middle Rhine, Germany

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

Hembrock-Heger, A., 2000- Persistente Schadstoffe in Böden von Überschwemmungsgebieten in NRW - Untersuchungen in Rhein- und Lippeauen.-*Stoffhaushalt von Auenökosystemen*, 379-388.
Floodplain biodiversity, soils, Rhine river, Lippe river.

Kazda, M. Verbücheln, G., Brans, S., Luwe, M., 1991- Mapping of vegetation and soil changes in an alder carr affected by a decrease of water-table heuight.- Phytocoenosis, 3 (N.S.), Supplementum Cartographiae 2, 243-250.
Floodplain biodiversity, riparian forests, historical changes, Alnus glutinosa ground water table, hydrological influences on vegetation, vegetation mapping, Sherresbach river, Lower Rhine river.

Keil, P., 1997- Invasive alien plants along watercourses of the Ruhr area .- *4th International Conference on the Ecology of Invasive Alien Plants1-4 October 1997Technische Universität, Berlin* - in : Starfinger, U., Edwards, K., Kowarik, I. and Williamson, M. eds "*Plant Invasions: Ecological Mechanisms and Human Responses*.-" Backhuys Publishers, Leiden, The Netherlands. 362 pp
Floodplain biodiversity, Ruhr river

Korneck, D., 1962/63- Die Pfeifengraswiesen und ihre wichtigsten Kontaktgesellschaften in der nördlichen Oberrheinebene und im Schweinfurter Trockengebiet. 1) Das Molinietum medioeuropeum; 2) Die Molietum feuchter Standorte; 3) Kontaktgesellschaften- *Beitr. Naturk. Forsch. SW-Deutschland*, 21 (1), 55-77; (2), 165-190; (3), 19-44.
Floodplain biodiversity, vegetation classification (herbaceous communities, wet meadows).

Krause, A., 1975- Ueber die natürliche Verjüngung von Uferweiden an der Ahr - *Schr.- Reihe Veg- Kde, Dtschld*, 8, 99-104.
Floodplain biodiversity, softwood forest (willows), hydrological influences on floodplain vegetation, flooding, vegetation dynamics, willow establishment, Ahr, Rhine,

Kremer, B.P., 1980- Traubenkirschen-Eschen auwald am Ville-Osthang- *Decheniana*, 133, 24-25.
Floodplain biodiversity, vegetation classification (riparian hardwood forests: ash, cherry...), Rhine and tributaries.

Kremer, B.P., 1985- Die niederrheinische Bucht Landschaft und Naturraum- *Flora Colonia (Mitt. des Freundeskreises botanischer Garten Köln)*, 2, 17-29.
Floodplain biodiversity, vegetation classification, Rhine (from Bonn to Köln).

Ladewig, K., 1975- Floristische Beobachtungen am Rheinufer bei Stürzelberg und bei Rodenkirchen- *Decheniana*, 128, 139-141.
Floodplain biodiversity, vegetation classification, Rhine.

Lohmeyer, W. & Krause, A., 1975- Über die Auswirkungen der Gehölzbewuchses an kleinen Wasserlaüfen des Münsterlandes auf die Vegetation im Wasser und an der Böschungen im Hinblick auf die Unterhaltung der Gewässer- Schr.- *Reihe Veg. kde, Ger.*, 9, 1-105.
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.
Floodplain biodiversity, hydrological influences on floodplain vegetation, vegetation classification (riparian forests: alder woodlands), Rhine tributaries near Köln.

Meisel, K., 1977- Die Grünland vegetation nordwestdeutscher Flusstäler und die Eignung der von ihr besiedelten Standorte für einige weserntliche - *Schr.- Reihe Veg.- Kde*, 11, 1-121.
vegetation classification (wet meadows), hydrological influences on floodplain vegetation, Rhine, Ems and tributaries.

Philippi, G., 1969- Besiedlung alter Ziegeleigruben in der Rheininniederung zwischen Speyer und Mannheim.- *Mitt. flor.- soziol. Arbeitsgemeindschaft*, 14, 238-254.
floodplain biodiversity (pioneer and herbaceous), hydrological influences on floodplain vegetation

Philippi, G., 1973- Zur Kenntnis einiger Röhrichtgesellschaften des Oberrheingebietes.- *Beitr. naturkdl. Forsch. Südwestdtschld*, 32, 53-95.
Floodplain biodiversity, vegetation classification (herbaceous communities).

Philippi, G., 1978- Die Vegetation der Altrheingebietes bei Russheim; der Russheimer Altshein.- *Die Natur- und Landschaftsschutzgebietes Baden-Wurttenberg (Ludwigsburg)*,10, 103-267.
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.
Floodplain biodiversity, vegetation classification ,(hygrophytes, macrophytes, herbaceous communities, Rhine and tributaries.

Philippi, G., 1982- Änderungen der Flora und Vegetation am Oberhein.- *Natur und Landschaft am Oberrhein*, 70, 87-105.
Floodplain biodiversity, riparian forests, herbaceous communities, Upper Rhine river

Philippi, G., 1984- Moosvegetation der Auenwälder am Oberrhein.- *Colloques phytosociologiques*, 9, 447-452.
Floodplain biodiversity, riparian forests, Rhine

Philippi, G., 1984- Les modifications de la végétation riveraine rhénane en pays de Baden septentrional.- *Colloques phytosociologiques* ,9, 731-738.
Floodplain biodiversity, historical changes, riparian forests, herbaceous communities, Rhine river

Reichel, D., 1984-Die Vegetation stehender Gewässer in Oberfranken - *Berichte der bayerischen botanischen Gesellschaft (Münich)*, 55, 5-23.
Floodplain biodiversity, vegetation classification (macrophytes, hydrophytes), Main and tributaries (Rhine)

Schneider, E., 2001- Restoration of floodplain forests and meadows: results of 15 years of succession studies in the Nature Reserve Kühkopf/Knoblochsaue/upper Rhine.-
in: (Nijlands H.J., Cals, M.J.R. eds) *Proceedings of the Conference on river restoration, Wageningen (NL)*, RIZA Rapport 2001-023, Lelystad, 197-200.
Floodplain biodiversity, Hesse, Upper Rhine, riparian forests, Germany

Schreiner, J., 1991 - Die Situation der Flussauen in Bayern- *A.N.L. (Bayerische Akademie für Naturschutz und Landschaftpflege), Laufen/Salzach, Laufener Seminarbeiträge*, 4/91, 17-32.
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

Ullmann, I. Väth, R., 1978- Wasser- und Sumppflanzengesellschaften der verschiedenen Gewässertypen im schweinfurter Raum (Östliches Maindreieck).- *Berichte der bayerisches botanischen Gesellschaft*, 49, 137-163.
Floodplain biodiversity, vegetation classification (macrophytes, hydrophytes), Main (Rhine)

Verbücheln, G., Dinter, W., 1991- Die Erlenbruch- (*Alnion glutinosae*) und Hartholz-Auenwälder (Alno-Ulmion) in Nordrhein Westfalen. *Geobot. Kolloq*., 7, 17-38.
Floodplain biodiversity, riparian forests, Alnus glutinosa, Fraxinus excelsior, Ulmus, softwood forests, hardwood forests, Lower Rhine river and tributaries

Volk, H., 2001- Auenwaldforschung am Rhein - welche Wälder sind auetypisch?- *Natur und Landschaft,* 76, (12), 520-529.
Floodplain biodiversity, riparian forests, floodplain restoration Middle Rhein river

Vollrath, H., 1968- Das Vegetationsmosaik einer fränischen Flussaue als Ergebnis hydrolischer und sedimentologischer Vorgänge.-*Pflanzensoziologie Landschaftökologie, Ber. 7, intern Symp., Stolzenau/Weser, Junk Verlag ed.*, 252-266.
Floodplain biodiversity, hydrological influences on floodplain vegetation, vegetation classification (flooded meadows), river Itz (Main, Rhine)

WITTIG, R., DINTER, W., 1991- Die Erlenbruch- (Alnion glutinosae) und Hartholz-Auenwälder (Alno-Ulmion) in
Nordrhein-Westfalen. - *Geobot. Kolloq.* (Frankfurt a.M.), 7,17-38.
Floodplain biodiversity, riparian forests, Alnus glutinosa, vegetation classification, Lower Rhine and tributaries, Germany

WWF- 2000- *Bislicher Insel Restoration Project*.- web
site:http://www.panda.org/europe/freshwater/floodplains/cases/bislicher5.html
Lower Rhine river, historical changes, floodplain restoration

**2-6- Dutch Lower Rhine**

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

Bakker, J.P., de Vries, Y., 1989- Effects of different hay-making regimes in a lower course valley grassland in the Netherlands.- *Colloques phytosociologiques*, 16, 343-35.
Floodplain biodiversity, historical changes, herbaceous communities, Lower Rhine river and tributaries

Barendregt, A., De Smidt, J.T., Wassen, M.J., 1986- The impact of groundwater flow on wetland communities.- *Colloques phytosociologiques*, 13, 603-612.
floodplain communities, hydrological influences on vegetation, ground water table, wetlands, Rhine river and tributaries

Broseliske, G.H., De Jong, J;, Smit, H., 1994- Historical and present day management of the river Rhine.- *Water Science & Technology*, 29, 111-120.
Floodplain biodiversity, historical change, Lower Rhine river

Cals, M.J.R., Postma, R., Buijse, A.D., Marteijn, E.C.N., 1998- Habitat restoration along the river Rhine in the Netherlands: putting ideas into practise.- *Aquatic Conserv. : Mar. Freshw. ecosyst.*
Floodplain restoration, Rhine river

Cals, M.J.R., Van Drimmelen C., 2001- Space for the river in coherence with landscape planning in the Rhine-Meuse delta.- in: (Nijlands H.J., Cals, M.J.R. eds) *Proceedings of the Conference on river restoration, Wageningen (NL)*, RIZA Rapport 2001-023, Lelystad, 189-196.
Floodplain biodiversity, landscape, Lower Rhine river

De Klerk, P., Janssen, C.R., Joosten, J.H.J. , Törnqvist, T.E, 1997- Species composition of an alluvial hardwood forest in the Dutch fluvial area under natural conditions (2700 cal year BP).- *Acta Botanica Neerlandica*, 46, 131-146.
Floodplain biodiversity, historical changes, Lower Rhine river, Riparian forests, hardwood forests

Everts, H.H., Grootjans, P., de Vries, N.P.J., 1989- Distribution of marshplants as guidelines for geohydrological research.- *Colloques phytosociologiques*, 16, 271-292.
Floodplain biodiversity, wetlands, floodplain restoration, hydrological influences on vegetation, Lower Rhine river and tributaries

Grootjans, A.P. & Ten Klooster, W.P., 1980- Changes of groundwater regime in wet meadows.-*Acta botanica Neerl.*, 29(5/6), 541-554.
hydrological influences on floodplain vegetation (meadows), historical change, flood defence,

Jongman, R.H.G., 1992- Vegetation, river management and land use in the Dutch Rhine floodplain- *Regulated rivers*, 7, 279-289.
hydrological influences on floodplain vegetation, river management, floodplain restoration

Klijn, F., Duel, H., Vis, M., 2001-, Combining ecological rehabilitation of rivers with strategies for flood management in the Netherlands.- in: (Nijlands H.J., Cals, M.J.R. eds) *Proceedings of the Conference on river restoration, Wageningen (NL)*, RIZA Rapport 2001-023, Lelystad, .
Floodplain biodiversity, Meuse river delta, Rhine river delta, flooding

Klijn, F., Duel, H., 2001- Nature rehabilitation along Rhine river branches: dilemmas and strategies fotr the long term.-in: (Nijlands H.J., Cals, M.J.R. eds) *Proceedings of the Conference on river restoration, Wageningen (NL)*, RIZA Rapport 2001-023, Lelystad,

Kooijman, G., 2000- The floodplain of the river IJssel (Netherlands): How to start communication with the local community?-*Proceedings of the Conference "River Restoration 2000", RIZA (NL) & European Centre for River Restoration (ECRR).*
Floodplain biodiversity, Meuse river delta, Rhine river delta, flooding

Kop, L.G., 1961- Wälder und Waldentwicklung in altern Flussbetten in der Niederlanden- *Wentia*, 5, 86-111.
Floodplain biodiversity, vegetation classification, riparian forests, wetlands, historical change.

Kruijshoop, J., 2000- Developments in the floodplains of large Dutch rivers.- *Proceedings of the Conference "River Restoration 2000", RIZA (NL) & European Centre for River Restoration (ECRR).*
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

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.

Middelkoop, H., 1997- *Embanked floodplains in the Netherlands; Geomorphological evolution over various time scales*- Thesis, Utrecht, 352p.
Floodplain biodiversity, historical changes, Rhine river

Ouborg, J.N., 1993- Isolation, population size and extinction: the classical and metapopulation approaches applied to vascular plants along the Dutch Rhine.- *Oikos*, 66(2), 298-308.
Floodplain biodiversity, riparian vegetation, historical changes, Lower-Rhine

Reijnen, R., Harms, W.B., Foppen, R.P.B., De Visser, R., Wolfert, H.P., 1995- Rhine Econet; Ecological networks in river rehabilitation of the rivers Rhine and Meuse.- *Publications and Reports of the Project "Ecological rehabilitation of the rivers Rhine and Meuse*, report 58-1995, RIZA, Lelystad, NLD, 172p.
Floodplain restoration, Lower Rhine river

Siebel, H., 1998- *Restoration of floodplain forest*.- Thesis, Nijmegen (NLD), 79p.
Floodplain restoration, Lower Rhine 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 Rhine river

Van Buuren, M., Kerkstra, K., 1993- The framework concept and the hydrological landscape structure: a new perspective in the design of multifunctional landscapes.- *Landscape Ecology of a Stressed Environment* (C.C. Vos & P. Opdam eds), Chapman & Hall (London), 220-243.

Floodplain restoration, Lower Rhine river, historical changes

Van Dijk, G.M., Marteijn, E.C.L., Schulte, A., 1995- Ecological rehabilitation of the river Rhine: plans, progress and perspectives.- *Regulated rivers: Research & Management,* 11, 377-388.
Floodplain rehabilitation, Lower-Rhine river

Van Donselaar, J., 1961- On the vegetation of former river beds in the Netherlands.- *Wentia*, 5, 1-85.
Floodplain biodiversity, riparian vegetation, historical changes, Lower-Rhine

Van Geest, G.J., Roozen, F.C.J.M,. Roijackers, R. , Coops, H. , Buijse, T. , Scheffer, M., 2001- Vegetation richness and composition in floodplain lakes along the lower Rhine: abiotic factors and the role of connectivity-*1st Intern. Symp.on Landscape Dynamics of Riverine Landscapes, Ascona, March 2001*.
Floodplain biodiversity, Lower Rhine river

Van Splunder, I., 1997- *Floodplain forest, willows and poplars along rivers*- RIZA report, 97-030, RIZA, Lelystad, NLD, 40p.
Floodplain restoration, softwood alluvial forests (willows) hydrological influences on vegetation, river management, historical change, Rhine

Van Splunder, I., 1998- *Floodplain Forest Recovery- Softwood forest development in relation to hydrology, riverbank morphology and management*- CIP- gegevens Koninklijke Bibliotheek, Den Haag, RIZA Rapport 98.001, 109 p.
Floodplain restoration, softwood alluvial forests (willows) hydrological influences on vegetation, river management, historical change, Rhine

Van Splunder, I., Coops, H., Schoor, M.M., 1994- Tackling the bank erosion problem: (Re-) Introducing willows on riverbanks.- *Water Science & Technology*, 29, 379-381.
floodplain biodiversity, floodplain restoration, softwood communities

Van Urk, G., Smit, H., 1989- The Lower Rhine Geomorphological changes.- in: Petts, Möller & Roux eds "*Historical changes of large alluvial rivers: Western Europe.*", John Wiley,Chchester, 167-182.
Soils, hydrological influences on vegetation, historical changes, Lower Rhine.

Verhoeven, J.T.A., Beltman, B., & Vermeer, J.G.H., 1978- Species composition of small fens in relation to the nutrient status of the peat soil and the ground water.-*Colloques phytosociologiques* ,13, 815-824.
vegetation classification (herbaceous wetlands), Lower-Rhine

Wassen, M.J., Barendregt, A., 1992- Topographic position and water chemistry of fens in a Dutch river plain.-*Journal of Vegetation Science,* 3(4), 447-456.
vegetation classification (herbaceous wetlands), Lower-Rhine

Wolf, R.J.A.M., Vrielink, J.G., de Waal, R.W., 2001- History, management and classification of floodplain forests in the Netherlands- In: E. Klimo and H. Hager *The Floodplain Forests in Europe-Current Situation and Perspectives*. Brill (Leiden, Boston, Köln), 203-219.
Floodplain biodiversity, vegetation classification (riparian forests), floodplain restoration, historical change.

WWF, 2000- *Gelderse Poort restoration project*-
Website: http://www.panda.org/europe/freshwater/floodplains/cases/gelderse5.html
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 sream 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 Peninsola 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

Martini, F., Paiero, P., 1988- *I salici d'Italia*- Ed. Lint (Trieste), 161 p.
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 glutinosaAlnus incana, Quercus robur, Historical Changes, Po river and tributaries

Montanari, M.A.G., Montanari, C., 1988- Rassegna delle conoscenze botaniche dei corsi d'acqua italiani.- *Boll. Mus. St. Nat. Lunigiana*, 6/7, 109-122.
Floodplain biodiversity, vegetation classification (riparian forests), Pô river and tributaries, Italian rivers

Pedrotti, F., 1984- Lista delle foreste ripariali dell'Italia censite dalle Societa Botanica italiana.- *Colloques phytosociologiques,* 9, 609-613.
Floodplain biodiversity, vegetation classification (riparian forests), Pô river and tributaries, Italian rivers

Pedrotti, F. , Gafta, D., 1996- Ecologia delle foreste ripariali e paludosa dell'Italia- *L'uomo e l'ambiente,* 23, ed. Universita degli Studi, Camerino, 165p.
Floodplain biodiversity, vegetation classification (riparian forests), Pô river and tributaries, Italian rivers

Sartori, F., Bracco, F., 1995- Flora e vegetazione del Po.- *Acc. Sci. Torino, Quaderni*. 1, 139-191.
Floodplain biodiversity, Po river

Sburlino, G., Bracco, F., Buffa, G., Andreis, C., 1995- I prati a *Molinia coerulea* (L), Moench, della Pianura padana: sintassonomia, sincorologia, 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 Societa 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...)

A.B.A.C. (Associazione Botanica Alpi Cozie), 2000- *Studio degli ambienti ripariali del torrente Pellice in funzione della valorizzazione e protezione dei biotopi presenti e delle possibilita d'intervento con*

*tecniche di ingegneria naturalistica ai fini della loro restaurazione e miglioramento funzionale*. Ed. A.B.A.C., Provincia di Torino (Torino), 78p. + ann.
Floodplain biodiversity, riparian forests, floodplain restoration, Pellice river, Upper Po-river

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Floodplain biodiversity, riparian forests, historical change, Maggia river, Ticino river.

Caramiello, R., Siniscalco, C., Fossa, V., Bari, A., Minciardi, M.R., Grosso, S., 1994- L'isolone del Ritano (VC): studio geomorfologico territoriale e rapporti con la vegetazione attuale.- *Giorn. Bot. Ital.*, 128(1), 467.
Floodplain biodiversity, soils, Doria Baltea

D'Auria, G., Zavagno, F., 1995- La vegetazione alveole del fiume Brembo, alla confluenza con l'Adda, in relazione a morfologia e substrato- *Pianura, (Scienze e storia dell'ambiente padano)*, 7, 5-38.
Floodplain biodiversity, riparian forests, herbaceous communities, Brembo river, Upper-Adda river

De Carli, C., 1986- Distribuzione del genere Salix L. nella provincia di Brescia.- *Natura bresciana*, 21, 35-67.
Floodplain biodiversity, riparian forests, willows, Mella river and tributaries.

Franceschetti, B., Stoppato, M., Turitto, O.,1990- Le modificazioni del corso della Dora Riparia tra Susa e Alpignano dal 1881 al 1977.*Rivista geographica italiana* (Pise), 97(4), 475-505.
historical change, Dora riparia river.

Gafta, D., Canullo, R., 1992- The role of *Alnus glutinosa* Gaertner in the secondary succession on wet meadows in the Pinè high plain (North Italy).- *Studia geobotanica*, 12, 105-120.
Floodplain biodiversity, Riparian forests, historical changes, Alnus glutinosa, Upper Po river.

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Floodplain biodiversity, vegetation classification (all communities), plant succession, hydrological influences on vegetation, Maggia river.

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Key-words: Alpine river, riparial vegetation, restoration

Martinetto, E., 1996- Pliocene vegetation at the western margin of the Po Basin.- Allionia, 34, 349-355.
Floodplain biodiversity, historical changes, riparian forests, Upper-Po river and tributaries.

Mondino, G.P., 1963- Boschi planiziari a Pinus sylvestris ed Alnus incana nelle alluvioni del torrente Bardonnechia (Piemonte)- *Allionia*, 9, 43-64.
Floodplain biodiversity, riparian forests, Bardonnechia , Doria riparia river, Upper-Po

Mondino, G.P., Terzuolo, P.G., 1996- Natural value and silvicultural recovery in the "Bosco delle Sorti della Partecipanza" (Trino Vercellese, Italy)- *Allionia*, 34, 333-335.
Floodplain biodiversity, riparian forests, historical changes, forest management, Upper-Po river and tributaries.

Montacchini, F., 1966- Flora rivulare e palustre nell'alta valle di Susa.- *Allionia,* 12, 175-180.
Floodplain biodiversity, wet meadows, riparian forests, Doria riparia river, Upper-Po

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Floodplain biodiversity, Doria Riparia river, Upper-Po river

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floodplain biodiversity, riparian forests, Doria riparia river, Upper-Po

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

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floodplain biodiversity, soils, riparian forests, vegetation mapping, Doria Baltea, Upper-Po

Tomaselli, R., 1959- Contributo allo studio dell'ecologia del pioppo spontaneo e coltivato nell'alta Pianura Padana.- *Arch. Bot. Biogeogr. Ital.*, 35, 46-81; 121-157.
floodplain biodiversity, riparian softwood forests, Upper-Po

Tomaselli, R., 1968- Boschi relitti dell'alta Pianura Padana.- *Natura e Montagna*, 3 (7), 43-46.
floodplain biodiversity, riparian softwood forests, Upper-Po

Turbiglio, I., Siniscalco, C. & Montacchini, F., 1985- Gli alberi della valle d'Ayas (Val d'Aosta)- *Revue valdotaine de sciences naturelles*, 40, 43-57.
Floodplain biodiversity, riparian forests (softwood & hardwood), Doria Balta river, Upper Pô and tributaries

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Floodplain biodiversity, vegetation classification, (herbaceous communities), Upper Adige.

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Floodplain biodiversity, vegetation classification (pioneers and ruderals), hydrological influences on vegetation.

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

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

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

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Floodplain Biodiversity, Myricaria communities, Upper Adige and tributaries of Sarntal area.

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

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Floodplain biodiversity, vegetation classification (all communities), soils, natural braided hydrosystem.

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

Paiero, P. & Schoepf, M., 1981- Corologia del genere salix L in Alto Adige.- *Webbia*, 35(1), 1-62.
Floodplain biodiversity, riparian softwood forests (willows), Upper-Adige

Pedrotti, F., 1980- *Guida all'escurzionedella Società Botanica Italiana in val d'Adige e nel Parco Nazionale dello Stelvio*- Centro Stampa, Università (Camerino)
Floodplain biodiversity, vegetation classification, Upper Adige and tributaries.

Pedrotti, F., 1995- Nota sulla vegetazione degli ambienti umidi della bassa Valsugana (Trenbtino)- *Documents Phytosociologiques*, 15, 417-449.
Floodplain biodiversity, vegetation classification, Upper Adige and tributaries, Valsugana riv.

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Floodplain biodiversity, vegetation classification, Tagliamento, Piave,

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Floodplain biodiversity, vegetation classification, wet meadows, Upper-Adige.

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

**3-3 Middle-Po and tributaries (Tanaro, Ticino, Adda, Oglio, Olona, Taro, Parma,... )**

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

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Floodplain biodiversity, riparian forests, herbaceous communities, vegetation classification, Middle-Po river and tributaries

Assini, S., 1998- Le specie esotiche nella gestione delle aree fluviali di pianura: indagine geobotanica.- *Archivio Geobotanico* (Pavia), 4(1), 123-130.
Floodplain biodiversity, herbaceous communities, Middle-Po river, Lower Sesia river, Lower Orba river, Lower Olona river, Lower Ticino river, Lower Trebbia river

Assini, S., 2001- Seed-bank and dynamics of a *Polygonum hydropiper* L. community along the Po river (Central-West Italy).- *Plant Biosystems*, 135, 223-232.
Floodplain biodiversity, Po river, pioneer communities

Bagnaresi, U., Ferrari, C., 1987- *I boschi dell'Emilia-Romagna*- Regione Emilia-Romagna, 270 p.
Floodplain biodiversity, riparian forests, Middle Po river and tributaries

Bencivenga, M., Cagiotti, M.R., Milletti, G., 1978- La flora e la vegetazione spondicola e aquatica del fiume Nestore; 1: la Flora.- *Univ. Studi Perugia, Ann. Fac. Agr.*, 32(2), 497-522.
Floodplain biodiversity, aquatic communities, Nestore river

Bertoldi, R., 1996- Pre-holocenic and holocenic palynological outlines of Western Padania.- *Allionia*, 34, 137-147.
Floodplain biodiversity, riparian forests, historical changes, Middle-Po river and tributaries

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Floodplain biodiversity, vegetation classification, riparian forests, Marecchia river

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Floodplain biodiversity, riparian forests, wetlands, aquatic communities, pioneer communities, herbaceous communities, vegetation classification, *Hippophae rhamnoides, Myricaria germanica, Salix eleagnos, Alnus incana, Alnus glutinosa*,Taro river, Middle-Po river

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Floodplain biodiversity, riparian forests, wetlands, aquatic communities, pioneer communities, herbaceous communities, vegetation classification, vegetation mapping, Taro river, Middle-Po river

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Floodplain biodiversity, vegetation classification (all communities), Stirone river, Taro river, braided rivers, mapping

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

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Floodplain biodiversity, aquatic communities, wetlands, herbaceous communities, Lower Ticino river

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Floodplain biodiversity, vegetation classification, Lower-Po 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, vegetation classification (riparian forests), Populus alba, Harwood forests, Adda river.

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Floodplain biodiversity, historical change, Po river

Corbetta, F., 1969- Lavegetazione dei fontanili lomellini.- *Giornale Bot. Ital.*, 103, 19-32.
Floodplain biodiversity, wetlands, Po river, Pavia

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Floodplain biodiversity, riparian forests, hardwood forests, Middle-Po river.

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Floodplain biodiversity, hardwood forests, Middle Po river, Milano

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Flooplain biodiversity, riparian forests, Reno river, Middle Po river,

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Floodplain biodiversity, herbaceous communities, riparian forests, Middle-Po river, Riparian forests, Amorpha fruticosa

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Floodplain biodiversity, riparian forests, hardwood forests, Historical changes, Middle-Po river and tributaries.

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floodplain biodiversity, vegetation classification, softwood forests, hardwood forests, Middle-Po river

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Floodplain biodiversity, herbaceous communities, hydrological influences on vegetation, Middle-Po river, Pavia

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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, vegetation classification (riparian forests), hydrological influences on vegetation, historical change, Pô river (near Mantova)

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

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Floodplain biodiversity, mapping, Pô river

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river management; historical change, floodplain restoration

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Floodplain biodiversity, Soils, Middle-Po river

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Floodplain biodiversity, riparian forests, historical change, Tanaro river, Pô river

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

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

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floodplain biodiversity, riparian forests, herbaceous communities, Po river.

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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, historical changes, wetlands, Po river and tributaries.

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Floodplain biodiversity, riparian forests, historical changes, Reno river, Idice river, Sillaro river, Middle-Po river,

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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, plant dynamics, riparian forests, historical change,

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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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Floodplain biodiversity, riparian forests, vegetation classification, Ticino river

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Historical changes, Po delta, Lower Po river

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Floodplain biodiversity, historical changes, riparian forests, hardwood forests, Lower-Po river, Lower Brenta-River, Lower Adige river, Lower Piave river, Lower Sile, river Lower Livenza river.

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Piccoli, F., 1995- Elementi per una carta della vegetazione del Parco Regionale del Delta del Po (Regione Emilia Romagna.- *Fitosociologia*, 30, 213-219.
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Floodplain biodiversity, vegetation classification, vegetation mapping, Po delta, Lower Po river.

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Floodplain biodiversity, wetlands, herbaceous communities, riaprian forests, aquatic communities, Po delta.

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Floodplain biodiversity, vegetation classification, wetlands, herbaceous communities, Lower Brenta river

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Floodplain biodiversity, vegetation classification (herbaceous wetlands), Lower Po and tributaries

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Floodplain biodiversity, riparian forests, herbaceous communities, vegetation classification, historical changes, Sile river, Lower Piave river, Lower Brenta river

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Floodplain biodiversity, riparian forests, Sile river.

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Floodplain biodiversity, herbaceous communities, historical changes, Marzenego river, Brenta river

Caniglia, G., Mondin, F., Carpene, B., 1992- Aspetti floristico-vegetazionali di un lobo di meandro del Parco del Sile (S. Michele Vecchio-Venezia)- *Lav. Soc. Ven. Sc. Nat.*, 17, 151-173.
Floodplain biodiversity, vegetation classification (all types of communities), Sile river

Caniglia, G., Basso, F., 1995- Descrizione del paesaggio vegetale del corso del Fiume Marzenego (pianura veneta) mediante un approccio sinfitosociologico.- *Quaderni Staz. Ecol. Civ. Mus. St. Nat. Ferrara*, 9, 137-153.
Floodplain biodiversity, vegetation classification, Marzenego river

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Floodplain biodiversity, aquatic communities, vegetation classification, Sile river

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Tagliamento river, Livenza river, Soils

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Floodplain biodiversity, vegetation classification, Marzenego river, Piave river, Brenta river, historical changes

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Floodplain biodiversity, vegetation classification, Piave river, Brenta river, Adige river...

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Floodplain biodiversity, riparian forests, Middle Piave river

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Floodplain biodiversity, hardwood forests, Lower Tagliamento river

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Floodplain biodiversity, vegetation classification, Piave river, Brenta river, Tagliamento river

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Floodplain biodiversity, riparian forests, Tagliamento river

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Floodplain biodiversity, wetlands, Brenta river

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Floodplain biodiversity, vegetation classification, Illasi river.

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Floodplain biodiversity, vegetation classification, Piave river, Brenta river, Adige river...

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Floodplain biodiversity, wetlands, Adige river

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Floodplain biodiversity, Brenta river, ...

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Floodplain biodiversity, vegetation classification, Marzenego river, Brenta river, Sile river, Piave river, Venetian plain

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Floodplain biodiversity, vegetation classification, Lower Livenza river

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Floodplain biodiversity, Sile river

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Floodplain biodiversity, historical changes, riparian forests, hardwood forests, Lower-Po river, Lower Brenta-River, Lower Adige river, Lower Piave river, Lower Sile, river Lower Livenza river.

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Floodplain vegetation, Riparian forests, Lower Adige, Brenta, Piave, etc...

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Floodplain vegetation, Riparian forests, Lower Adige, Brenta, Piave, etc...

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Wetlands, Tagliamento river,

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Wetlands, Tagliamento river,

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Floodplain biodiversity, riparian forests, herbaceous communities, Livenza river.

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Floodplain biodiversity, herbaceous communities, Tagliamento river

Poldini, L., 1996- Vegetation outlines in Friuli-Venezia Giulia (NE Italy).- *Allionia,* 34, 277-285.
Floodplain biodiversity, Tagliamento river, Izonzo river, Historical changes

Rizzi Longo L., 1996- Palynological evidence of the forest vegetation of the Friuli plain.- *Allionia*, 34, 287-295.
Floodplain biodiversity, riparian forests, historical changes, Tagliamento river, Isonzo river

Sarzo, A., Prosser, F., Frisinghelli, M., 1997- Flora e vegetazione della zona umida di Bolzonella (Provincia di Padova, Italia settentrionale).- *Archivio Geobotanico*, 3 (2), 179-200.
Floodplain biodiversity, vegetation classification, wetlands, herbaceous communities, Lower Brenta river

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Floodplain biodiversity (wetlands), Lower-Brenta

Sburlino, G., Bracco, F., Buffa, G., Andreis, C., 1995- I prati a *Molinia coerulea* (L), Moench, della Pianura padana: sintassonomia, sincorologia, sinecologia.- *Fitosociologia,* 29, 67-87.
Floodplain biodiversity, vegetation classifications, wet meadows, hydrological influences on vegetation, Po river and tributaries.

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Floodplain vegetation, Riparian forests, Lower Adige, Brenta, Piave, etc

# CENTRAL-EUROPEAN HYDROSYSTEM

## 1- THE ALPINE DANUBE HYDROSYSTEM

### 1-1 Upper Danube (general)

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Floodplain biodiversity, floodplain restoration, Upper-Danube;

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riparian forests, March river, Danube river

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floodplain biodiversity, vegetation classification, floodplain restoration, Danube and tributaries (Rhine, Ems, Weser, Elbe and tributaries).

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Floodplain biodiversity, vegetation classification, Donau, Rhine.

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Floodplain biodiversity, Danube river

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# 2- THE CARPATHIAN DANUBE HYDROSYSTEM

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Floodplain restoration, Danube delta

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floodplain biodiversity, riparian forests, Olt river

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floodplain biodiversity, vegetation classifications, herbaceous communities, Danube river.

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floodplain biodiversity, herbaceous communities, riparian forests, Danube river

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floodplain biodiversity, herbaceous communities, riparian forests, Danube river

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floodplain biodiversity, riparian forests, Danube

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floodplain biodiversity, riparian forests, wetlands, herbaceous communities, Danube river

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floodplain biodiversity, riparian forests, Tamarisk, Buzau river, Danube river

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Floodplain biodiversity, Danube river delta

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Floodplain biodiversity, vegetation classifications, riparian forests, historical changes, soils, hydrological influences on vegetation, Danube river

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floodplain biodiversity, historical change, hydrological influence on vegetation, riparian vegetation, Danube river

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Floodplain biodiversity, riparian forests, Lower Danube, Bulgaria.

WWF (European Freshwater Programm), 2000- *Danube Delta Restoration Project (extensive report)*.- web site: http://www.panda.org/europe/freshwater/floodplains/cases/danube5.html
Floodplain biodiversity, Floodplain forests, herbaceous communities, floodplain restoration, Lower Danube

WWF (European Freshwater Programm), 2001- *Strategy for the protection and restoration of floodplain forests on the Bulgarian Danube Islands.*
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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....)

Angioloni, C., Scoppola, A. , Dominicis, V.de 1998-Influence of environmental factors on the chamaephytic vegetation of pebble alluvium of southern Tuscan river beds (Central Italy). In: Acta Botanica Neerlandica 47, 313 ff.
Floodplain biodiversity, pioneer communities, Tuscany

Arrigoni, P.V., Nardi, E., Raffaelli, M., 1985- *La vegetazione del Parco Naturale della Maremma (Toscana).* - Ed. Universita 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 pratti 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.- Fitosociologi, 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 bidiversity, riaprian 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, veetation classification, historical changes, Alnus glutinosa, Fraxinus oxycarpa, Tronto river, Trenta 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- La 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 assosiazione 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 planiziare 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 Girn. Bot. Ital.*, NS 115, 405-406.
Floodplain biodiversity, vegetation classification, Upper-Taro river

Melelli, A., Faticenti, F. 2000 -Reactualisation d'une technique traditionelle d'amenagement 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'Apennino Ligure e sintesi conoscenze botaniche in Italia.- *Giornale Bptanico 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'Apennino 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 bidiversity, 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'alte 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 societes 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 ressorces 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 deLouron (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- I*nfluence 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

Fortuné, M., 1988- Historical changes of a river in a urban area: the Garonne river, Toulouse, France.- *Regulated rivers*, 2, 179-186.
Historical changes, Middle Garonne river

Gazelle, F., 1993- Submersion et exondation du lit majeur de la Garonne en aval de Toulouse - Approche écologique et méthodologique- in: *L'eau et les Hommes (Mélanges à René Frécaud)*, Presses Universitaires de Nancy (Nancy), 321-328.
Hydrological influences on vegetation, Middle Garonne river

Gonzalès, G., 1988- *Télédétection des boisements riverains de la Garonne*.- Thèse, Ecologie; Université de Toulouse 3, 165p.
Floodplain biodiversity, riparian forests, Middle Garonne river

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Floodplain biodiversity, riparian forests, historical changes.

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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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fluvial geomorphology, Loire river
floodplain biodiversity, riparian vegetation,
floodplain biodiversity, floodplain restoration, lower Loire river

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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 (*Valériano-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

Duvignaud, 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 Vierset-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 modificaitons 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

Saintenoy Simon, J., Duvigneaud, J., 1992- L'île Farcy et l'île d'Ouvreau: deux ilôts peu connus de la vallée de la Meuse (Hastière, province de Namur, Belgique).- *Natura Mosana*, 45(2), 41-47.
Floodplain biodiversity, riparian fortests, herbaceous communities, Lower Meuse river

Schepers, F., 2000- The border Meuse Project: the design of a new river landscape.- *Proceedings of the Conference "River Restoration 2000", RIZA (NL) & European Centre for River Restoration (ECRR).*
Floodplain biodiversity, Meuse river

Selinger-Looten, R., Grevilliot, F., Muller S., 1999- Structure of plant communities and landscape patterns in alluvial meadows of two floodplains in the north-east of France-*Landscape Ecology*, 14, 213-229.
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

Sougnez, 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

Van Looy K., De Blust, G., 1995- *De Maas natuurlijk?! Aanzet tot teen grootschaldig natuurontwikkelingsproject in de Grensmaasvallei*- (in Flemish)- Ed. Instituut voor Natuurbehoud (Brussel), 123p.
Floodplain biodiversity, riparian fortests, 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 fortests, 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 (*Valériano-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, herdwood 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

Sougnez, 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 importnce 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. soziol. 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, LUpper 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 pflanzensoziologishen Arbeitsweise.- *Mitt. der Florist.- Soziol. Arbeitsgemeindschaft* ,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. Arbeitsgemeindschaft* ,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 Mittelgegirsflüsse, 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 Naturkundl. 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. Arbeitsgemeindschaft* ,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.Naturkdl. Forsch. Südwestdtsch.*, 34, 387-401.
floodplain biodiversity, riparian forests, Alnus gliutinosa, Upper Weser and tributaries

Wiegleb, G., 1977- Die Wasser- und Sumpgfpflanzen Gesellschaften der Teiche in der Naturschutzgebieten am Harz.- *Mitt. der Florist.- Soziol. Arbeitsgemeindschaft* ,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 restorationWümme river, Lowe 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. Arbeitsgemeindschaft* ,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 Fliessgewässer des Westharzes und seines Vorlandes .- *Natursch. Landschlaftspflege, 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- Feucht wälder im nordwestdeutschen Tiefland; Cliederung, 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. Arbeitsgemeindschaft* ,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 Naturkd 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 estu-aries on
the German North Sea coast- *Conference PAGES - PEPIII: Past Climate Variability Through Europe and AfricaAugust 27-31, 2001Aix-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. Arbeitsgemeindschaft* ,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. Arbeitsgemeindschaft* ,15/16, 91-97.
floodplain biodiversity, vegetation classification, herbaceous communities, historical change, Lower Weser river, Hamme, Deick, Wümme rivers

Hüppe, J., Wicke,G. ,1992-Vergleichende Untersuchungen zur Ackerunkrautvegetation des Weser- und Elbetales in Nordwestdeutschland [Comparison of weed vegetation of the Weser and Elbe valley in Northwestern Germany]. - *Ber. Naturhist. Ges.Hann.* 134, 135-159.

Jeckel, O., 1985- Kleinräumige Vegetationstransekte inextensivgrûnland alter dünengebiete in Nordwestdeutschen Flusstälern .- *Colloques phytosociologiques* ,13, 431-445.
Flooplain biodiversity, herbaceous communities, Elbe, Ems, Weser

Kaiser, T. & Roloff, A., 1991- The forest communities of the Schweinebruch near Celle (Lower Saxony)- *Braunschweiger Naturkd Schr.*, 3(4), 947-970.
Floodplain biodiversity, hydrological influence on vegetation, riparian forests, Alnus glutinosa, Ulmus, Fraxinus, Lower Aller river

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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

Oppermann, F.W., Brandes, D., (1993): Die Uferflora der Oker. - *Braunschweiger Naturk. Schr.*, 4(2): 381-414.
Floodplain biodiversity, herbaceous communities, historical changes, Oker river

Oppermann, F.W., (1996): Die Uferflora der Weser. - *Braunschweiger Geobot. Arb.*, 4: 133-154.
Floodplain biodiversity, herbaceous communities, historical changes, Lower Weser

Oppermann, F.W., Brandes, D., 1999- *The riparian flora of the Oker river system (Europe, Northern part of Germany)*- internet site: http://www.biblio.tu-bs.de/geobot/lit/okerpage.html.
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, riparian forests, softwood forests, Alnus glutinosa, Upper Weser, Oker river

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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

WWF, 2000- *Wümmewiesen Restoration Project*.-
website: http://www.panda.org/europe/freshwater/floodplains/cases/wumme5.html
Floodplain biodiversity, herbaceous communities, floodplain restoration, Wümme river, Lower Weser river

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

Dierschke, H., 1986- Vegetationsdifferenzierung im Mikrorelief nordwestdeutscher sandiger Flusstäler am Beispiel der Meppener Kuhweide (Ems).- *Colloques phytosociologiques*, 13, 613-630.
floodplain biodiversity, hydrological influences on vegetation, herbaceous communities, pioneer communities, Ems river

Göcke, B., 1994- Ems-Auen-Schutzkonzept.In: K.-G. Bernhardt (Ed).*Revitalisierung einer Flußlandschaft : [Tagungsband]* / *zsgest.* Zeller, Osnabrück, 265-276.
Floodplain biodiversity, riparian forests, floodplain restoration, Ems river

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Floodplain biodiversity, historical changes, Lower Weser, Lower Ems

Husicka, A., 1999- Flora und Vegetation im NSG Emsaltarm an der Hassel. - *Natur und Heimat*, Heft 1/1999, 25-28.
Floodplain biodiversity, Herbaceous communities, riparian forests, Ems river

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

Husicka, A., 2001- *Deiche in NRW - mehr als Hochwasserschutz.* - Broschüre im Auftrag des MUNLV Nordrhein-Westfalen: 40pp.
Floodplain biodiversity, Ems river

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Flooplain biodiversity, herbaceous communities, Elbe, Ems, Weser

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

RWTH-Aachen (Lehrstuhl und Institut für Wasserbau und Wasserwirtschaft), 2000- Naturnaher Ausbau der Ems bei Rietberg. (Floodplain restoration of the Ems river at Rietberg).-Website:http://www.rwth-aachen.de/iww/German/Forschung/Ems/Ems.html
Floodplain river restoration, Ems river

Trautmann, W, Lohmeyer, W., 1960- Gehölzgesellschaften in der Fluss-Aue der mittleren Ems.- *Mitt. der Florist.- soziol. Arbeitsgemeindschaft* , N.F., 8, 227-247.
Floodplain biodiversity, riparian forests, hydrological influences on vegetation, Ems river.

Tüxen, R., 1974- Das Lahrer Moor.- *Mitt. der Flor. soziol. 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.- soziol. Arbeitsgemeinschaft*, 17, 69-102.
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. soziol. 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.- soziol. 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)

Bjarsch, B., 2001-Hochwasserverlauf in ostdeutschen Tieflandflüssen.-*Wasser und Boden*, 53, (4), 28-33.
Floodplain biodiversity, soils, hydrological influences on vegetation, Elbe river, Oder river

Brandes, D. Sander, C., 1995- Die Vegetation von Ufermauern und Uferpflasterungen an der Elbe.- *Braunschweiger Naturk. Schr.*, 4, 899-924
Floodplain biodiversity, Elbe river

Brandes, D. Sander, C.,, 1995-Neophytenflora der Elbufer. - *Tuexenia,* 15, 447- 472.
Floodplain biodiversity, Elbe river

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

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floodplain biodiversity, Elbe river, vegetation mapping

Katenhusen, O., 2001- Die Ausbreitung von Pflanzen durch Hochwasser in norddeutschen Flusslandschaften- *Zeitschrift für Ökologie und Naturschutz*, 9, (4) , 225-236.
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 mapping, flooding, hydrological influences on vegetation, Elbe river

Leuschner: H.H und Kyncl, J.,1994- Dendrochronologische Untersuchungen an subfossilen Eichen aus Labe-Schottern- In: E. Ruzickova und A. Zeman (eds.): *Holocene Flood Plain of the Labe River*.- Geological Institute of Academy of Sciences ofhe Czech Republic. Prag, 35-38.

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

Passarge, H., 1964- *Pflanzengesellschaften des nordostdeutschen Flachlandes. 1: Phytosoziologie*- Gustav Fischer (Jena).
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,...)**

Borovec Z., Mraz L., 1992-The character of the fine fractions of the bottom sediments of the Bohemian part of the Labe river (Elbe).- *Geojournal*, 27(4), 371-378.
floodplain vegetation, soils, Upper Elbe river

Cermák J., 1998- Leaf distribution in large trees and stands in floodplain forest of southern Moravia, *Tree Physiol.* ,18 , 727-737.
Riparian forests, hardwoodforests, Upper Elbe river and tributaries

Hadincova, V., 1999- Seedling and sapling growth of the alien invasive species Pinus strobus in Pinus sylvestris forests in the Elbe river sandstone Mountains, The Czech Republic.- *Proceedings of the 5th International Conference "Ecology of Invasive Alien Plants" La Maddalena, Sardinia, Italy (13-16 october, 1999).*Backhuys publish, Leiden.

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

Jílek, P., Melková, J., Ruzicková, E., Silar, J., Zeman, A., 1995-Radiocarbon Dating of Holocene Sediments: Flood Events and Evolution of the Labe (Elbe) River in Central Bohemia (Czech Republic).- *Radiocarbon*, 37(2), 131-138
Floodplain biodiversity, historical changes, Elbe river

Kovar, P., 1983- The grassland communities of the Southeastern Basin of Labe river (2: Synecology).- *Folia geobot. & phytotaxon.* ,18(2), 160-187.
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

Miadok, D., 1978- Bachbegleitende Erlenbrüche im Nordwestlichen eil des Gemerské rudohorie-Gebirges.- *Acta facultatis rerum naturalium Universitatis Comenianae, Botanica.*, 26, 107-116.
Floodplain biodiversity, Elbe river, riparian forests, Alnus glutinosa, Alnus incana, Elbe river tributaries
historical changes, hydrological influences on vegetation, vegetation dynamics,

Neuhäusl, R. et Neuhäuslova-Novotna, Z., 1969- Die Laubwaldgesellshaften des östlichen Teiles der Elbeebene Tschechoslovakei.- Folia geobot. & phytotaxon. ,4(3), 261-301.
floodplain biodiversity , riparian forests, vegetation classification, Upper Elbe river

Neuhäuslova-Novotna, Z., 1980- Die Auenwäldern der Tscheschischen Länder und die Perspektiven ihrer weiteren Erhaltung.- Coll. Phytosociol., 9, 75-79.
floodplain biodiversity , riparian forests, vegetation classification, Upper Elbe river

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Riparian forests, hardwood forests, Upper Elbe river and tributaries

Prach K., 1992- Vegetation microtopography and watertable in the Luznice river floodplain, South Bohemia, Czechoslovakia.- Preslia, 64(4), 357-367.

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

Prax A., Palat M., 1995- Soil moisture regime of South-Moravian floodplains (in German), *Arch. Hydrobiol. Suppl. 101, Large Rivers 9*, 513-523.
Hydrological influences on vegetation, soils, groundwatertable, riparian forests, Upper Elbe river and tributaries

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http://www.panda.org/europe/freshwater/floodplains/cases/ringfurth4.html
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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(http://www2.rz.hu-berlin.de/geo/ph/morph/leute/publik/spree/uspree.html).
Floodplain biodiversity, historical changes, Spree river, Lower Elbe river

Böcker, R., 1978- Vegetations- und Grundwasserverhältnisse im Landfschaftsschutzgebiet Tegeler Fliesstal (Berlin West). - *Vegetations- und Grundwasserverhältnisse im Landfschaftsschutzgebiet Tegeler Fliesstal (Berlin West).*
floodplain biodiversity, riparian forests, hydrological influences on vegetation, Spree river

Böhnke, R., Geyer, S., 2000- Grundwasserdynamik in Auensedimenten der Mittleren Elbe- In: Friese, K.,Witter, B., Kirschner, K. (eds) *Stoffhaushalt von Auen-ökosystemen*, Springer Verlag, Berlin, 99-108.
Floodplain biodiversity, herbaceous communities, riparian forests, soils, hydrological influences on vegetation, Middle Elbe river

Bonn, S., Roloff, A., 2001- Competition dynamics of important woody plants of the hardwood floodplain forest along the middle reaches of the Elbe river, Germany.- *Proceedings of the international conference "Tree rings and People" Davos, 23-26 september 2001 (Kaennel, D.M., Bräker, O.U. eds)*
*web site:* www.wsl.ch/forest/dendro2001/abstracts/ext39
Floodplain biodiversity, riparian forests, Middle Elbe river

Brandes, D., 1998- Notice on the nitrophilous skirt Vegetation of flood plain woods at the lower middle Elbe (Germany).- *Braunschw.naturkdl.Schr.* ,5 (3), 617-627 . (in German)
Floodplain biodiversity, riparian forests, vegetation classification, historical changes, Middle Elbe river

Brandes, D., 1998- Vegetationsökologische Untersuchungen an wasserbaulich bedingten linearen Strukturen. - In: Brandes, D. (ed): Vegetationsökologie von Habitatisolaten und linearen Strukturen. - *Braunschweiger Geobotanische Arbeiten*, 5, 185-197.
Floodplain biodiversity, dikes, Middle Elbe river

Brandes, D.,1999- Bidentetea-Arten an der mittleren Elbe: Dynamik, räumliche Verbreitung und Soziologie. - *Braunschw. naturkdi. Sehr.*, 5, 781-809.
Floodplain biodiversity, pioneer communities, vegetation classification, Middle Elbe river

Brandes, D., 2000- Flora und Vegetation der Deiche an der mittleren Elbe zwischen Magdeburg und Darchau. (Flora and vegetation of dikes of the middle course of the river Elbe betwee M. and D., Germany).- *Braunschweiger Naturkundliche Schriften*, 6(1), 199-217.
Floodplain biodiversity, herbaceous communities, vegetation classification, historical changes, dikes, embankments, Middle Elbe river

Brandes, D., 2000- Dynamics of riparian vegetation : The example of *Rumex stenophyllus* LEDEB.- web site: URL: *http://opus.tu-bs.de/opus/volltexte/2000/130*
floodplain biodiversity, pioneer communities, Middle Elbe river

Brandt, O. , Geyer, S., Matheis, G. 2000- Verteilung und Verhalten von Spurenelementen im Sicker- und Grundwasser der Muldeauen: Verteilung und Verhalten von Spurenelementen im Sicker- und Grundwasser der Muldeaue.- In: Friese, K.,Witter, B., Kirschner, K. (eds) *Stoffhaushalt von Auen-ökosystemen*, Springer Verlag, Berlin, 327-336.
Floodplain biodiversity, riparian forests, Mulde river

Dehner, U., Feldhaus, D., Villwock, G., 2000- Zur Kennzeichnung von Schwermetall-Hintergrundgehalten in Auenböden in den Flußsystemen der Saale und mittleren Elbe.- In: Friese, K.,Witter, B., Kirschner, K. (eds) *Stoffhaushalt von Auen-ökosystemen*, Springer Verlag, Berlin, 227-236.
Floodplain biodiversity, soils, historical changes, Lower Elbe river, Spree river

Denzer, V., Haase, D., 2000- Die Leipziger Flussauen im Wandel. Forschungsdesign eines geographischen Studienprojektes zur Erfassung und Bewertung von Nutzungspotentialen und -konflikten.- *Kulturlandschaft*, 10, (1), 91-199.
Floodplain restoration, Elster river

Denzer, V., Haase, D., 2000- Forms of historical and current land-use of the Leipzig floodplains-anthropogenic influences , aspects of actual land-use conflicts and conflict management- *Proceedings of the International Conference of the IALE, Roskilde 2000.*
Floodplain biodiversity, historical changes, floodplain restoration, Weisse, Elter, Pleisse rivers

Denzer, V., Haase, D., 2000- Forms of historical and current land-use of the Leipzig floodplains-anthropogenic influences , aspects of actual land-use conflicts and conflict management- *Proceedings of the International Conference of the IALE, Roskilde 2000.*
Floodplain biodiversity, historical changes, floodplain restoration, Weisse, Elter, Pleisse rivers

Dierschke, H., Otte, A., Nordmann, H.,1983- Die Ufervegetation der Fließgewässerdes 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. - *Braunschw. 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

Dierschke, H., Döring, U., & Hüners, G., 1987- Der Traubenkirschen -, Erlen-, Eschenwald- (Pruno-Fraxinetum, Oberd.53) im nordöstlichen Niedersachsen.- *Tuexenia*, 7, 367-379.
Floodplain biodiversity, riparian forests, vegetation classification, Upper Elbe river and tributaries

Dierschke, H., Otte, A., Nordmann, H.,1983- Die Ufervegetation der Fließgewässerdes 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. - *Braunschw. 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

Dierschke, H., Döring, U., & Hüners, G., 1987- Der Traubenkirschen -, Erlen-, Eschenwald- (Pruno-Fraxinetum, Oberd.53) im nordöstlichen Niedersachsen.- *Tuexenia*, 7, 367-379.
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

Federschmidt, A., Seelig, K. 2001- Nutzungskonflikte und Schutz einer Flussaue am Beispiel der Elbaue in Magdeburg.- *Natur und Landschaft,* 76, (3), 105-112.
Floodplain biodiversity, riparian forests, Lower Elbe river

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Sols, floodplain biodiversity, Middle Elbe river

Franke, Ch., Neumeister, H., 2000- Räumliche Verteilungsmuster von pH-Werten und Schwermetallen in den Auen der mittleren Elbe- In: Friese, K.,Witter, B., Kirschner, K. (eds) *Stoffhaushalt von Auen-ökosystemen*, Springer Verlag, Berlin, 55-64
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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soils, Middle Elbe river

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Flodplain biodiversity, pioneer communities, Elster river, Luppe river, Upper Elbe river
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Floodplain biodiversity, historical changes, floodplain restoration, Weisse, Eslter, Pleisse rivers

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Floodplain biodiversity, riparian forests, Elster river, Middle Elbe river.

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# 2- THE ODER HYDROSYSTEM

## 2-1 Oder river (general)

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floodplain biodiversity, riparian forests, vegetation classification Oder river, Vistula river

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floodplain biodiversity, riparian forests, Alnus glutinosa, Oder, Warta, Vistula and tributaries

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floodplain biodiversity, Oder river, Vistula river and tributaries

**2-2 Upper Oder and tributaries (Olsa, Oppa...)**

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Floodplain biodiversity, vegetation classification, pioneer communities, Upper Oder

**2-3 Middle, Lower Oder and tributaries (Warta, Notec, Obra; Neisse, Bober...)**

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Floodplain vegetation, Oder river

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Floodplain biodiversity, pioneer communities, Middle Oder river

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floodplain biodiversity, vegetation classification, herbaceous communities, hydrological influences on vegetation, Warta river and tributaries

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Floodplain biodiversity, hydrological effects on vegetation, soils, riparian forests, herbaceous communities, historical changes, diking, floodplain restoration, Lower Oder river

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# 3- THE VISTULA HYDROSYSTEM

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