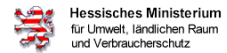


Nature-oriented flood damage prevention - nofdp - an INTERREG IIB project

While in the last decades prevention of flood damage mostly referred to technical measures only the occurrence of severe flood damage in recent time led to a more comprehensive view on that topic. Nowadays the European Water Framework Directive urges on the necessity of ecological sustainable development of river corridors and provides a binding time schedule for implementing respective measures within river basins.



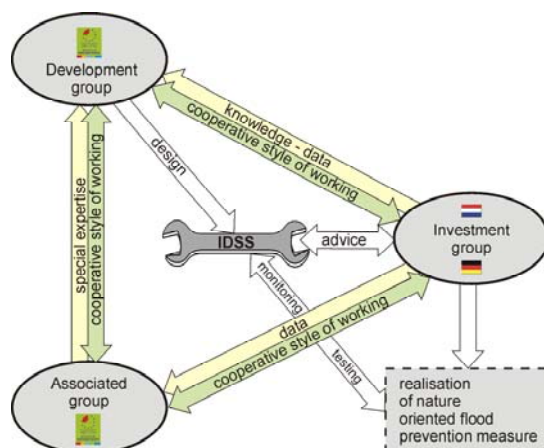
The river basin itself as a compound of water-, ecological- and human-system is often affected by plannings of numerous administrative sectors having their specific goals in mind. Especially transboundary river systems are exposed to numerous interferences as planning culture differs throughout different countries. Thus a basic future requirement is the development of integrated planning methodologies for river basins resulting in sound multi-sectoral as well as multi-objective management strategies.



Taking into account the above mentioned requirements the INTERREG IIB NWE Project “Nature-oriented flood damage prevention (nofdp)” aims at implementing an information and decision support tool (IDSS) compiling transnational demands on spatial planning, flood damage prevention and ecological improvement of river corridors to a multi-sectoral and multi-objective planning instrument assisting decision makers of the NWE-region in taking optimum decisions in riverine planning.



This ambitious target is supported by four real world investment projects located in The Netherlands (waterboards of river Mark/Vliet, river Aa, river Dommel – province Noord-Brabant) and Germany (waterboard of river Mümling, State of Hesse) having well developed scenarios for flood damage prevention plannings. An interactive process among this investment group (in charge of the constructions) and the so called development group (experts and specialists - Darmstadt University of Technology, German Federal Institute of Hydrology, Province Noord-Brabant) will form the IDSS.



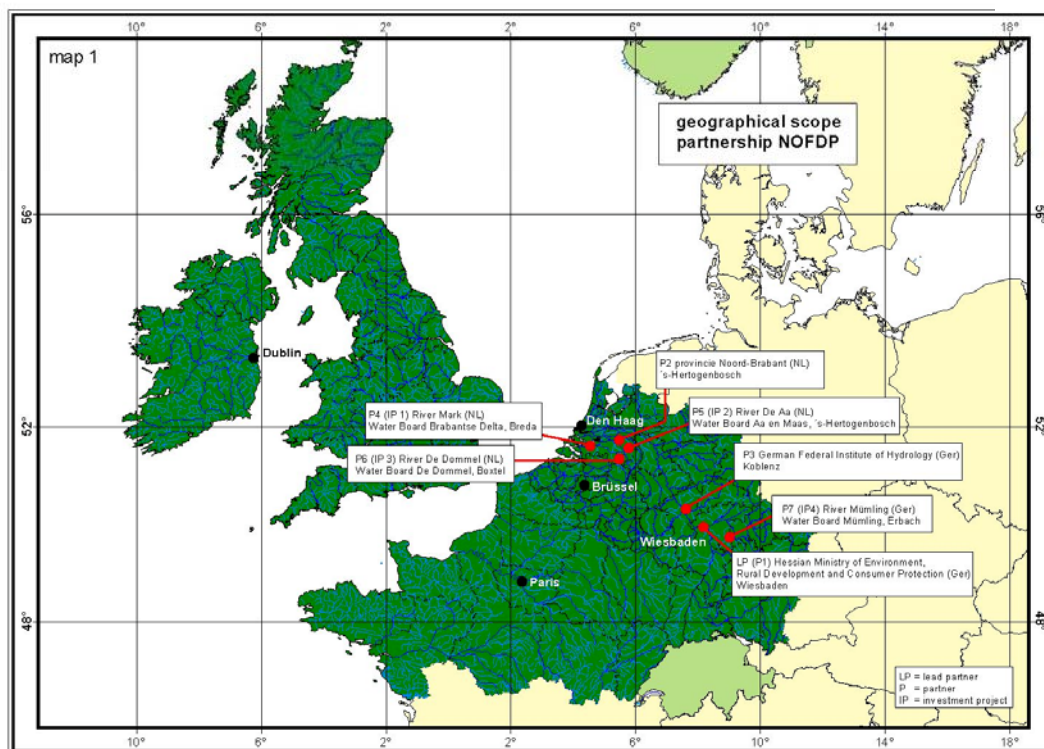
The IDSS represents a combined software toolbox of hydraulic, hydrological and ecological models. Additionally multi-sectoral assessing schemes including national conventions and EU-regulations related to various sectors (e.g. spatial planning, ecology) are introduced.

In an iterative process the IDSS is tested and refined by applying it to present planning scenarios of the investment projects. The application phase then will result in generating future scenarios of planning alternatives. Evaluating these scenarios by multi-sectoral transnational assessment pattern will then give recommendations on that planning scenario meeting best

the demands of both flood damage prevention and ecological improvement of river corridors.

Future application of the IDSS in the NWE-territory then will help in establishing a coherent network of de-central flood control measures as part of an integrated river basin management considering ecological, spatial, economical, administrative as well as technical aspects on local, regional and transnational scale.

Geographical scope of nofdp



Partnership within nofdp

Hessian Ministry of the Environment, Rural Development and Consumer Protection (LEAD PARTNER)	Darmstadt University of Technology, Institute of Hydraulic and Water Resources Engineering (PROJECT CO-ORDINATOR)
Mainzer Straße 80 D 65189 Wiesbaden Germany Matthias Löw +49 611 815 1357 m.loew@hmulv.hessen.de	Petersenstraße 13 D 64287 Darmstadt Germany Prof. Manfred Ostrowski, Axel Winterscheid +49 6151 16 2043 ostrowski@ihwb.tu-darmstadt.de winterscheid@ihwb.tu-darmstadt.de
Provincie Noord-Brabant	German Federal Institute of Hydrology (BfG)
P.O. Box 90151 (Brabantlaan 1) 5200 MC 's-Hertogenbosch The Netherlands Jac Slikker +31 73 6808053 Jslikker@brabant.nl	Am Mainzer Tor 1 56068 Koblenz Germany Dr. Elmar Fuchs, P. Horchler, S. Rosenzweig +49 261 1306 5338 fuchs@bafg.de , horchler@bafg.de , rosenzweig@bafg.de
Water Board Brabantse Delta	Water Board Aa en Maas
P.O. Box 5520 4801 DZ Breda The Netherlands Ron Lambregts, Piet van Iersel (<i>co-ordinator NL</i>) +31 76 5641 476, +31 76 5641 511 r.lambregts@brabantsedelta.nl , p.van.iersel@brabantsedelta.nl	P.O. Box 5049 5201 GA 's-Hertogenbosch The Netherlands René de Louw +31 73 6156 892 rdelouw@aaenmaas.nl
Water Board de Dommel	Wasserverband Mümling
P.O. Box 10.001 (Bosscheweg 56) 5280 DA Boxtel The Netherlands Marcel van Betuw +31 411 618 400 mvetuw@dommel.nl	Wiesenweg 7a 64711 Erbach Germany Mr. Hess +49 6062 70 288 h.hess@wv-muemling-gersprenz.de