



Report for the International River Basin District Odra

**on the implementation of the Art. 3, Annex I
of the Directive 2000/60/WE of the European Parliament and the Council
of the 23rd of October 2000 establishing a framework for Community action in the field
of water policy (OJ L 327, 22.12.2000)**

1. Introduction

Pursuant to article 3 of the Directive 2000/60/WE of the European Parliament and the Council of the 23rd of October 2000 establishing a framework for Community action in the field of water policy (OJ L 327, 22.12.2000), also referred to as the Water Framework Directive, the Member States should create international river basin districts for transboundary river basins. For such river basins the Competent Authorities and the boundaries should be identified. In addition, a list shall be created, containing the information on the legal status, competences and international cooperation of the Competent Authorities.

The International River Basin District Odra covers the territory of the Republic of Poland, the Czech Republic and the Federal Republic of Germany. These countries have agreed to commonly coordinate the implementation of the Directive 2000/60/WE within the framework of the International Commission for the Protection of the Odra River against Pollution.

The herein document was elaborated to fulfill the reporting obligation pursuant to Art. 3 and Annex 1 of the Directive 2000/60/WE by the countries whose parts of territories are situated within the International River Basin District Odra.

Thus, the first step is made towards creating a coordinated water management plan in the International River Basin District Odra.

2. Basic information on the International River Basin District Odra

With its length of 855 km the Odra River is sixth biggest river discharging into the Baltic Sea. The yearly discharge totals 17.103 hm³ (ŚQ 1921–1990, Hohensaaten-Finow). The Odra River takes its source at the altitude of 632 m in Góry Odrzańskie, the south-eastern part of the central Sudety mountain range.

The most important left tributaries of the Odra River are: Opawa, Nysa Kłodzka, Oława, Bystrzyca, Kaczawa, Bóbr and Nysa Łużycka. The most important right tributaries are: Ostrawica, Olza, Kłodnica, Mała Panew, Stobrawa, Widawa, Barycz and Warta.

The biggest tributary is the Warta River, which discharges into the Odra at km 617,5. The Warta River, whose mean annual flow rate has for several years been 224 m³/s, provides for some 40% of the mean annual discharge of the Odra River. The river basin of the Warta, totaling over 4.000 km², constitutes a half of the whole area of the Odra River basin and gives it its typical asymmetry, characterized by a big right and a small left part.

The Szczecin Lagoon, the catchments of rivers discharging directly in the Szczecin Lagoon, Straits of Świna and the eastern part of Usedom Island and the western part Wollin Island, excluded the Straits of Peene and the Straits of Dziwna, have been included into the International River Basin District Odra.

The total area of the International River Basin District Odra is 122 512 km², of which 3 622 km² is the part of the Szczecin Lagoon with its tributaries, 2 400 km² is on the German part (Kleines Haff, Uecker, Randow, Zarow) and 1 222 km² on the Polish side (Großes Haff, catchment areas of Gowienica and Świna and the other subordinate coastal waters). The biggest part of the International River Basin District Odra – 107 279 km², i.e. 87,6 %, is situated in the territory of the Republic of Poland, 7 246 km², i.e. 5,9 %, in the territory of the Czech Republic and 7 987 km², i.e. 6,5 %, belongs to the Federal Republic of Germany.

The climate in the area of the International River Basin District Odra has been increasingly influenced by the continental climate from the Eastern Europe. The basin may be described as an area with moderate continental climate.

The average yearly amount of precipitation in the ridge areas of higher mountain regions is 1000-1400 mm. The bigger part of the International River Basin District Odra, however, receives yearly precipitation of 500-600 mm.

2.1. Geographical extent

The geographical extent of the International River Basin District Odra is shown in map 1. The exact designation of the boundaries in the area of the Szczecin Lagoon, Straits of Świna and the eastern part of Usedom Island and the western part Wollin Island is currently being discussed between the competent authorities of Poland and Germany. Thus, the boundaries shown in the map are deemed temporary.

2.1.1. Groundwater

The conditions of occurrence of groundwater in the International River Basin District Odra are very differentiated. A factor that greatly influences the amount of groundwater is the geological structure of the basin. The majority of significant normal reservoirs contains just average or even small amounts of groundwater. In the whole river basin there are just a few small hydro-geological units, which are characterized by a considerable water content. Groundwater is mainly found in Cenozoic deposits. Less water may be found in the rocks of the Triassic, the Upper Cretaceous, and the Paleozoic.

The Upper Odra River catchment is dominated by crystalline and Quaternary formations. Locally, there are bigger manifestations of water in the limestone of the Triassic and sandstones of the Cretaceous. In the mountainous part of this area usable groundwater may be found in the rock waste on the outcrops of the Late Paleozoic formations. In the catchment of the Middle Odra River, water-bearing layers are only to be found in the Cenozoic rocks. Here, the water resources are average or low. Groundwater in the Cenozoic formations dominates also in the catchment area of Nysa Łużycka. Groundwater in other formations of this



catchment area is of a lesser importance. Generally, groundwater here is greatly influenced by the operations of the mining industry. In the Warta water region, apart from the dominant Cenozoic deposits, water-bearing layers of the Upper Cretaceous and Jura are of considerable importance. In this area, however, there are very low groundwater infiltration rates, resulting from a very low precipitation factor. In the Lower Odra water region, and the region of Przymorze Zachodnie normal groundwater exists only in Cenozoic deposits, particularly in the Quaternary deposits. A high water content may be found in the Pleistocene proglacial stream valleys along the border between Poland and Germany.

2.2 Division of the International River Basin District Odra in the areas of elaboration

The International River Basin District Odra is divided into 6 areas of elaboration.

<i>Item</i>	<i>Designation of the area of elaboration</i>	<i>Range of the area of elaboration</i>
1	The Upper Odra River	The source area down to the confluence of the Nysa Kłodzka River including its basin
2	The Middle Odra River	From the confluence of the Nysa Kłodzka River to the confluence of the Warta River
3	The Nysa Łużycka River	The basin of the Nysa Łużycka River
4	The Warta River	The basin of the Warta River
5	The Lower Odra River	From the confluence of the Warta River to Trzebież (the estuary to the Odra Glen)
6	The Szczecin Lagoon	Coastal waters and the area of the of Szczecin Lagoon (Kleines und Großes Haff) as well as the catchment areas of watercourses discharging directly into the Szczecin Lagoon and into Straits of Świna and the eastern part of Usedom Island and the western part Wollin Island



3. Competent authorities

3.1 The Republic of Poland

<i>Name</i>	<i>Address</i>	<i>Additional information (website, telephone)</i>
Minister competent for water management (at present is it the Environment Minister)	Ministry of Environment ul. Wawelska 52/54 00 922 Warszawa	www.mos.gov.pl +48 22 5792900

3.1.1 Legal status of the Competent Authorities

<i>Name</i>	<i>Legislation establishing the Competent Authorities</i>	<i>Legislation establishing the obligations of the Competent Authorities</i>
Minister competent for water management	Government Administration Division Act of 4 September 1997 (Dz. U. 2003.159.1548) Ordinance of the Prime Minister of 20 June 2002 on the detailed scope of activities of the Environment Minister. (Dz.U.2002.85.766)	Water Act of 18 July 2001 (Dz. U.2001.115.1229)

3.1.2 Scope of responsibilities of Competent Authorities

The Minister competent for water management is responsible for the coordination and supervision of the following tasks:

- identification of the boundaries of the river basin (Art.3),
- characterization of the river basin (Art. 5, Appendix II),
- review of the impact of human activities on surface waters and groundwater (Art. 5, Appendix III),
- economic analysis of water use (Art. 5, Appendix III)
- identification of deviations (Art. 4),
- identification of protected areas,
- registration of protected areas (Art. 6, appendix IV),
- monitoring of surface waters, groundwater and protected areas (Art. 8, Appendix V)
- establishment and implementation of action programs (Art. 11, Appendix VI),
- establishment and implementation of water management plans in the river basin (Art. 13, Appendix VII),
- public consultations (Art.14).



3.1.3 Cooperation with other Competent Authorities

The Minister competent for water management coordinates and supervises the activities of the following institutions participating in the implementation of the Water Framework Directive:

<i>Description of the Competent Authority</i>	<i>Name of the supervised institutions</i>
Minister competent for water management	<ul style="list-style-type: none"> – Director of the Regional Water Management Authority in Gliwice (Water region of the Upper Odra River), – Director of the Regional Water Management Authority in Wrocław (Water region of the Middle Odra River) – Director of the Regional Water Management Authority in Poznań (Water region of the Warta River), – Director of the Regional Water Management Authority in Szczecin (Water region of the Lower Odra River and Przymorze Zachodnie).

The Minister proper for water management matters cooperates with the following bodies in the scope of the implementation of the Water Framework Directive:

<i>Description of the Competent Authority</i>	<i>Name of the cooperating institutions</i>
Minister competent for water management	<ul style="list-style-type: none"> – Minister proper for agriculture and rural development, – Minister proper for economy, – Minister proper for health, – Infrastructure Minister, – Chief Sanitary Inspector, – Chief Environment Protection Inspector, – Provincial Environment Protection Inspectorates, – Provincial Sanitary Inspectorates, – Voivods (Governors of the provinces), Marshalls (Presidents of self-government administration)

The range of activity of the competent authorities is shown in map 2.

3.2 The Czech Republic

<i>Name of the Competent Authorities</i>	<i>Address of Competent Authorities</i>	<i>Additional information (phone numbers, website)</i>
Ministerstvo životního prostředí	Vršovická 65, Praha 10, 101 00	http://www.env.cz/
Ministerstvo zemědělství	Těšnov 17, Praha 1, 117 05	http://www.mze.cz/
Krajský úřad Moravskoslezského kraje	28. října 117, Ostrava, 702 18	http://www.kr-moravskoslezsky.cz/
Krajský úřad Olomouckého kraje	Jeremenkova 40a, Olomouc 77 911	http://www.kr-olomoucky.cz/



Krajský úřad Královehradeckého kraje	Wonkova 1142, Hradec Králové, 500 02	http://www.kr-kralovehradecky.cz/
Krajský úřad Libereckého kraje	U Jezu 642/2a, Liberec 2, 461 80	http://www.kraj-lbc.cz/

The range of activity of the competent authorities is shown in map 2.

3.2.1 Legal status of the competent authorities

<i>Name</i>	<i>Legislation establishing the Competent Authorities</i>	<i>Legislation establishing the obligations of the Competent Authorities</i>
Ministerstvo životního prostředí	Act no. 2/1969 Sb., on Establishment of Ministries and other central organs of national administration of the Czech Socialist Republic with later amendments	PRIMARY LEGISLATION Act no. 254/2001 Sb., on water and changes of some acts (Water Act) with later amendments Act no. 274/2001 Sb., on water-supply system and sewerage for the public use as well as changes of some acts (on water-supply system and sewerage) with later amendments
Ministerstvo zemědělství		
Krajský úřad Moravskoslezského kraje	Act no. 129/2000 Sb., on counties (county establishment), with later amendments	Act no. 258/2001 Sb., on the prevention of public health and on the amendment of some other connected regulations
Krajský úřad Olomouckého kraje		SECONDARY LEGISLATION (procedural regulations to the chapter III and IV of Water Act) Public notice of the Ministry of Agriculture no. 139/2003 Sb., on survey of the status of surface water and groundwater and the deposition of data in the information system of public administration.
Krajský úřad Královehradeckého kraje		Public notice of the Ministry of Agriculture no. 431/2001 Sb., on the subject of water balance, the way of its arrangement and on data for the water balance.
Krajský úřad Libereckého kraje		Public notice of the Ministry of Agriculture no. 292/2002 Sb., on river basin districts Public notice of the Ministry of Agriculture no. 140/2003 Sb., on planning the water management

3.2.2 Scope of responsibilities of competent authorities

- | | |
|---|----------------------------------|
| ■ Designation of catchment areas | – MZe |
| ■ Designation of water bodies | – MŽP, MZe |
| ■ Designation of heavily modified and artificial water bodies (HMWB, AWB) | – MZe, MŽP |
| ■ Designation of protected areas | – MŽP, MZe |
| ■ Creating and securing of a register of protected areas | – MŽP, MZe |
| ■ Characterization and classification of water bodies | – MŽP, MZe |
| ■ Definition of reference conditions | – MŽP, MZe |
| ■ Identification of pressures and assessment of impact | |
| - on surface water (carried out in 2004, and prospectively until 2005) | – MZe |
| - on groundwaters | – MŽP, MZe |
| ■ Economic analysis | – MZe, MŽP, district authorities |
| ■ Monitoring – general provisions | – MŽP, MZe |
| - drinking water intakes | – MZe |
| ■ Water cost recovery analysis (carried out in 2004) | – MZe, MŽP |
| ■ Establishment of the emission control | – MŽP |
| ■ Implementation of measures for emission control | – MŽP |
| ■ Plans of main catchment areas | – MŽP, MZe, district authorities |
| ■ Plans of catchment areas | – district authorities |
| ■ Drawing up action programs | – MŽP, MZe, district authorities |
| ■ Implementation of action programs | – MZe, MŽP, district authorities |
| ■ Regulation of water intake (protection of water amounts) | – MZe, MŽP |
| ■ Securing the compliance with the ban to discharge waste water into groundwaters | – MŽP |
| ■ Securing the compliance with the ban to discharge hazardous and particularly hazardous substances into groundwater | – MŽP |
| ■ Implementation of measures aimed at the preventions and reduction of pollution caused by failures | – MŽP |
| ■ Implementation of measures aimed at the preventions and reduction of pollution caused by hazardous substances and particularly hazardous substances (also the so called priority substances pursuant to the Framework Water Directives) | – MŽP |



- Public information – MZe, MŽP, district authorities
- Social consultations – MZe, MŽP, district authorities

3.2.3. Cooperation with other competent authorities

<i>Name of the competent authorities</i>	<i>Name of supervised institutions</i>
Ministerstvo životního prostředí (Ministry of Environment)	Výzkumný ústav vodohospodářský T.G. Masaryka (T.G. Masaryk Water Management Research Institute)
	Česká inspekce životního prostředí (Czech Environment Inspection)
	Agentura ochrany přírody a krajiny (Nature and Landscape Protection Agency)
	Český hydro-meteorologický ústav (Czech Hydrometeorological Institute)
Ministerstvo zemědělství (Ministry of Agriculture)	Povodí Labe, státní podnik (a state-owned enterprise)
	Povodí Ohře, státní podnik (a state-owned enterprise)
	Povodí Odry, státní podnik (a state-owned enterprise)
	Zemědělská vodohospodářská správa (Agricultural Water Management Board)
Kraje, krajské úřady (districts, districts authorities)	Communes with extended competences – Water authorities

3.3 The Federal Republic of Germany

In the German part of the Odra River basin, the following ministries are responsible for the implementation of the Water Framework Directive:

<i>Name</i>	<i>Address</i>	<i>Additional information (website, telephone)</i>
Ministerium für Landwirtschaft, Umweltschutz und Raumordnung des Landes Brandenburg	Heinrich Mann Allee 103 D-14473 Potsdam	http://www.Brandenburg.de/Land/M LUR
Umweltministerium Mecklenburg-Vorpommern	Schlossstrasse 6-8 D-19053 Schwerin	http://www.um.mv-regierung.de
Sächsisches Staatsministerium für Umwelt und Landwirtschaft	Archivstr. 1 D-01097 Dresden	http://www.Umwelt.Sachsen.de

The area of competence of the above mentioned authorities is shown in map 2.



3.3.1 Legal status of the Competent Authorities

The authorities below are the highest authorities in the scope of water management in the individual German states.

<i>Name</i>	<i>Legislation establishing the Competent Authorities</i>	<i>Legislation establishing the obligations of the Competent Authorities in the Scope of the implementation of the Water Framework Directive 2000/60/WE</i>
Ministerium für Landwirtschaft, Umweltschutz und Raumordnung des Landes Brandenburg	Brandenburg Water Act (<i>Brandenburgisches Wassergesetz</i>)	Water Management Act (<i>Gesetz zur Ordnung des Wasserhaushalts</i>) Brandenburg Water Act
Umweltministerium Mecklenburg-Vorpommern	Water Act of the Federal State of Mecklenburg-Vorpommern (<i>Wassergesetz des Landes Mecklenburg-Vorpommern</i>)	Water Management Act (<i>Gesetz zur Ordnung des Wasserhaushalts</i>) Water Act of the Federal State of Mecklenburg-Vorpommern
Sächsisches Staatsministerium für Umwelt und Landwirtschaft	Saxonian Water Act (<i>Sächsisches Wassergesetz</i>)	Water Management Act (<i>Gesetz zur Ordnung des Wasserhaushalts</i>) Saxonian Water Act

3.3.2 Scope of responsibilities of the Competent Authorities

The above mentioned Competent Authorities are responsible for the coordination and supervision of the following tasks in connection with the implementation of the Water Framework Directive 2000/60/WE:

- identification of the boundaries of the river basin (Art.3),
- characterization of the river basin (Art. 5, Appendix II),
- review of the impact of human activities on surface waters and groundwater (Art. 5, Appendix II),
- economic analysis of water use (Art. 5, Appendix III)
- identification of deviations (Art. 4),
- identification of protected areas,
- registration of protected areas (Art. 6, appendix IV),
- monitoring of surface waters, groundwater and protected areas (Art. 8, Appendix V)
- establishment and implementation of action programs (Art. 11, Appendix VI),
- establishment and implementation of water management plans in the river basin (Art. 13, Appendix VII),
- public consultations (Art.14).



3.3.3 Cooperation with other Competent Authorities

Partial tasks in connection with the implementation of the Directive 2000/60/WE are carried out by the respective authorities of lower government administration.

<i>Names of the Competent Authorities</i>	<i>Names of the supervised institutions</i>
Ministerium für Landwirtschaft, Umweltschutz und Raumordnung des Landes Brandenburg	Landesumweltamt Brandenburg als Wasserwirtschaftsamt und Obere Wasserbehörde
Umweltministerium Mecklenburg-Vorpommern	Landesamt für Umwelt, Naturschutz und Geologie Güstrow Staatliches Amt für Umwelt und Natur Ueckermünde
Sächsisches Staatsministerium für Umwelt und Landwirtschaft	Staatliches Umweltfachamt Bautzen Regierungspräsidium Dresden als Höhere Wasserbehörde

4. International cooperation

The governments of the Republic of Poland, the Czech Republic, the Federal Republic of Germany and the European Community decided to cooperate in the scope of water protection in the basin of the Odra River and in the Szczecin Lagoon. This cooperation is carried out through the International Commission for the Protection of the Odra against Pollution, hereinafter referred to as the “Commission”. The Agreement establishing the Commission was signed on the 11th April 1996 (Dz. U. No 79 item 886 from 1999) and it entered into force on 26 April 1999.

The competent ministries of the Republic of Poland, the Czech Republic, the Federal Republic of Germany agreed to apply the International Commission for the Protection of the Odra against Pollution as a platform of coordination for the whole basin of the Odra River. Such a platform is required pursuant to Art. 3, item 4 and 5 of the Water Framework Directive 2000/60/We. Because of its size and complexity of the International River Basin District Odra was divided into 6 areas of elaboration (for detailed information see chapter 2.2: Division of the International River Basin District Odra into areas of elaboration).

In addition, in the International River Basin District Odra there is bilateral cooperation in the scope of water management pursuant to the agreements given below:

- Agreement of 19 May 1992 between the Republic of Poland and the Federal Republic of Germany on cooperation in the scope of transboundary water management (Dz. U. of 1997 , No. 11, item 56),
- Agreement of 21 March 1958 between the Government of the Polish Peoples’ Republic and the Government of the Czech Republic on transboundary water management,
- Agreement of 12 December 1995 between the Federal Republic of Germany and the Czech Republic on cooperation in the scope of transboundary water management (BGBl. 1997 Teil II S. 924).