



Protected area (original language and official English translation)	Biebrzański Park Narodowy Biebrza National Park
Name of Administration	Biebrza National Park Authority
Address	Osowiec-Twierdza 8
Postal Code	19-110 Goniadz, Poland
Website	http://www.biebrza.org.pl
Contact person	Mr Mateusz Grygoruk
e-mail	MateuszG@levis.sggw.pl
Phone (office)	++48 857 380-620

Map of the protected area, Hyperlink to google maps	http://www.biebrza.org.pl/index.php?strona=129 http://maps.google.de/maps?f=q&source=s_q&hl=de&q=Nationalpark+Biebrza-Flusstal,+19-110,+Powiat+Moniecki,+Podlachien,+Polen&sll=53.394385,22.707367&sspn=0.577732,0.459366&ie=UTF8&cd=1&geocode=FejVLwMdtMhZQAQ&split=0&hq=&hnear=Nationalpark+Biebrza-Flusstal&ll=53.462095,22.665825&spn=0.288406,0.229683&t=h&z=12&iwloc=A
Short description	The Biebrza National Park is located in Northeast Poland, in the Podlaskie Voivodship. The north-eastern boundary of the park is near the Belarus border. The Narew River and its confluence with the Biebrza River form the southern boundary. The park was established in 1993, and with a total area of 59,233 ha, it is the largest of the Polish national parks. The Park includes 15,547 ha of forests, 18,182 ha of agricultural land and 25,494 ha of wetlands – the most valuable habitats of the park – the famous Biebrza marshes. The area of 3,936 ha is under strict protection including the Czerwone Bagno or Red Bog at the Grzędy Forest District. Unique in Europe for its marshes and peatlands, as well as its highly diversified fauna, especially birds, the Park was designated as a wetland site of global significance and is under the protection of the RAMSAR Convention.
Area Size [km ²]	592

Main Area type (wetland, forest, grassland, alpine area) [ha, %, if available]	Wetland
Main land use types [ha or %, if available]	



Climate induced changes and problems	Human activities have led to the loss of a large proportion of diversity in vegetation types in riverine wetlands in Europe. Many floodplains, fens, and riparian woodlands have been cultivated for agricultural purposes and the remaining riverine wetlands, often embedded in agricultural land, have lost species due to the impact of human activities. Moreover wetlands are exposed to climate changes.
What should be monitored?	Change per investigation area
Proposed short-term indicators	Decreased spring snowmelt floods duration
Proposed long-term indicators	Change from open marsh areas to birch shrubs
Monitoring methods	Management Support System consists of following three elements: Data Catalog combined to Geographic Information System (GIS), hydrological module and ecological module.
Satellite images for month	April, July, October 2009-2011
Proposed management implications	
Proposed policy implications	Encourage farmers to mow meadows to keep wetland areas open.
Technical, supportive partner	Warsaw University of Life Sciences, Department of Water, Engineering and Environmental Restoration
Problems for research questions	<p>The main question is – can we observe any changes in the wetlands characteristics, which can be associated with climate change and which cannot be attributed to other human interferences?</p> <p>Comparing results of the analysis with human activities both in the river valley and in the catchment we are trying to capture the changes which cannot be directly explained by local or regional human activities.</p>

Investigation area 1	
Map/picture	
Short description	
Area Size [ha]	
Coordinates (Centre (Latitude, Longitude))	
Coordinates (Upper left (Lat., Long.))	



Coordinates (Lower right (Lat., Long.))	
Hyperlink to/Sign on Google earth/maps	http://maps.google.de/maps?f=q&source=s_q&hl=de&q=Nationalpark+Biebrza-Flusstal,+19-110,+Powiat+Moniecki,+Podlachien,+Polen&sll=53.394385,22.707367&sspn=0.577732,0.459366&ie=UTF8&cd=1&geocode=FejVLwMdtMhZAQ&split=0&hq=&hnear=Nationalpark+Biebrza-Flusstal&ll=53.462095,22.665825&spn=0.288406,0.229683&t=h&z=12&iwloc=A

Investigation area X	
Map/picture	
Short description	
Area Size [ha]	
Coordinates (Centre (Latitude, Longitude))	
Coordinates (Upper left (Lat., Long.))	
Coordinates (Lower right (Lat., Long.))	
Hyperlink to/Sign on Google earth/maps	