Description of available QUANTITATIVE information for each Case Study river Basin (CSRB)

| QUANTITATIVE data on the CURRENT situation |
| --- |
| **WATER FLOW**: do you have information on stream flow data? Is the RB a gauged basin? Do you have historical/current data of stream flow? |
| Description of available data | Number of gauging stations and location | Spatial resolution | Time frame/scale | Format of the data | Reference/source of information |
| Daily mean flow  | 2 upstream from dam1 midstream | - | 1980-20101980-20022006-2010 | Excel | Water Development Department (Restricted) |
| **HYDROLOGY:** do you have information on the hydrology of the river basin? Is there available information on the hydrological structure of the basin and its water balances?  |
| Description of available data | Spatial resolution | Time frame/scale | Format of the data | Reference/source of information |
| Information on dam | - |  | Pdf | Water Development Department |
| **GROUNDWATER:** is there any data available on groundwater? Do you have historical/current data of groundwater levels and/or groundwater springs ? |
| Description of available data | Spatial resolution | Time frame/scale | Format of the data | Reference/source of information |
| Data existing but not available for 10 boreholes |  |  |  |  |
| **WATER QUALITY:** is there any data available on the water quality? Do you have historical/current data of water quality? |
| Description of available data | Spatial resolution | Time frame/scale | Format of the data | Reference/source of information |
| Some existing. Not available  |  |  |  |  |
| **CLIMATE DATA:** Do you have historical/current climate data? |
| Description of available data | Spatial resolution | Time frame/scale | Format of the data | Reference/source of information |
| Daily rainfall and Tmin, Tmax | Observations at stations | 1980-2010 | csv | Cyprus Meteorological Service (Restricted) |
| Daily gridded datasets rainfall, Tmin, Tmax | 1 km2 | 1980-2010 | Ascii - raster | CyI and CMS (restricted) |
| **EXTREME EVENTS**: Do you have information on historical extreme events that have taken place in the RB (e.g. droughts, flooding) and associated damages?  |
| Description of available data | Spatial resolution | Time frame/scale | Format of the data | Reference/source of information |
| List of flood events | - | 1859-2010 | Pdf | I.A.Co Ltd  |
| **LAND COVER /LAND USE**: Are there land cover maps available?  |
| Description of available data | Spatial resolution | Time frame/scale | Format of the data | Reference/source of information |
| Existing but not available for the whole area |  |  |  |  |
| CORINE 2006 | 100 m |  | shape | European Environment Agency (open) |
| **ELEVATION DATA:** Are there any digital elevation models of the RB available?  |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Elevation model  | 20 m² | Ascii - raster | Geological Survey Department (restricted) |
| **DIGITAL ORTHOPHOTOS/SATELLITE IMAGES:** Are there any digital orthophotos/ satellite images of the RB available?  |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Google Earth |  |  |  |
| **SOILS**: are there soil maps of the RB available? |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Soil map 1961 | 1:125000 | shape | Geological Survey Department (restricted) |
| Soil map 1970 | 1:200000 | shape | Geological Survey Department (restricted) |
| Soil map 1999 | 1:250000 | Shape | Geological Survey Department (restricted) |
| **GEOLOGY**: are there geological maps of the RB available? |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Geological map | 1:250000 | Shape | Geological Survey Department (restricted) |
| **USES-AGRICULTURE**: what type of information exists on the agricultural uses of the basin?What is the water consumption of the agrarian uses? What are the main crops grown and where are these located (land use maps)? What is the contribution of the industries to the economy of the basin (e.g. benefits/year, number of employments generated)? |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Land zone maps |  | Pdf | Department of town planning and housing |
| Claimed agricultural plots | Point data | Shape | Cyprus Agricultural Payment Organization (restricted) |
| Agricultural water use and total economic value of production, by community (doesn’t coincide with basin), more detailed analysis in process.  |  |  |  |
| **USES-URBAN**: What type of information exists on the urban areas in the basin? Are there fluctuations in the people living in the basin along the year ? What is the water consumption share of the urban areas? What is the contribution of the tertiary sector to the economy of the basin (e.g. benefits/year, number of employments generated)?  |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Land zone maps |  | Pdf | Department of town planning and housing |
| Population by community (doesn’t coincide with basin), not much fluctuation during the year. Most domestic water supply is desalinated (imported to basin).  |  |  |  |
| **USES-FORESTRY**: Where are the main forest areas in the basin? What are the features of these forests (species, management)? Are there intensive plantations? Is there any study on how these forests affect water flows in the CSRB? What is the contribution of forestry to the economy of the basin (e.g. benefits/year, number of employments generated)? |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Land zone maps |  | Pdf | Department of town planning and housing |
| State Forest Land | 1:50000 | Shape | Forestry Department (restricted) |
| **USES-INDUSTRY:** Where are the main industries located in the water basin? Is there any estimation of their share of water consumption? What is the contribution of industries to the economy of the basin (e.g. benefits/year, number of employments generated)? |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
| Land zone maps |  | Pdf | Department of town planning and housing |
| **OTHER RELEVANT USES**: are there other uses that are relevant in relation with water that have not being mentioned before in these sectors? (e.g. bottling plants) What is their contribution to the economy of the basin (e.g. benefits/year, number of employments generated)? |
| Description of available data | Spatial resolution | Format of the data | Reference/source of information |
|  |  |  |  |
| **WATER RELATED INFRASTRUCTURES:** what are the main infrastructures related with water in the basin? (e.g.: divertion dams, dikes, etc…) |
| List of relevant infrastructures | Description of available data, including spatial data availability | Format of the data | Reference/source of information |
| Tamasos Dam |  | Pdf | Water Development Department |
| **OTHER INFRASTRUCTURES RELEVANT IN THE RIVER BASIN:** What are the main infrastructures that you consider have an impact on the water uses in the river basin? (e.g. roads or highways) |
| List of relevant infrastructures | Description of available data, including spatial data availability | Format of the data | Reference/source of information |
|  |  |  |  |