WP7-Action 7.1
Astico available data list

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Summary

SHORT DESCRIPTION
This document intends to resume the available data which are at disposal for the Astico pilot case study

Document Control

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V01.00				Current version

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Introduction

This document will be resumed the list of the available data for the Astico pilot case study. These data will be used for the construction of the indicators of the MCA analysis.

Available data

Available data for the Astico pilot case study, mainly concern the river reach close to the Bessè power plant, which will be the hydropower plant on which the MCA analysis will be applied and tested.

The listed data sets have different origins. A part of them, concerning the economy indicators, have been directly furnished by the electricity producer, that is the private society Eusebio Energia. Beside the production data, Eusebio Energia has furnished also discharge and water level measures in a river station. Some important environmental indicators come from different monitoring programs promoted by the Province of Vicenza. Part of the hydrologic data and most of the chemical data are on the other hand collected and managed directly by ARPAV.

Table 1:Astico pilot case study available data list

TYPOLOGY	DATA/STATION	DATA PROPERTY	SURVEYED PERIOD	SAMPLING FREQUENCY	RELATED MCA INDICATOR
Economy	Mean daily production	Eusebio Energia	09/2008 – 06/2010	Daily	All the economic indicators
Hydromorphology	**Discharge**				
	Ponte Pilo	Eusebio Energia	09/2008 – 06/2010	Hourly	IQM – IARI
	Pedescala	ARPAV	06/1985 - today	Hourly	IQM – IARI
	Water level				
	Ponte Pilo	Eusebio Energia	09/2008 – 06/2010	Hourly	IQM - IQH
	Pedescala	ARPAV	06/1985 - today	Hourly	IQM – IQH
	Velo d'Astico	ARPAV	05/1992 - today	Hourly	IQM – IQH
Chemistry	Temperature	ARPAV	07/2001 - today	Monthly	IQM - IQH
	pH	ARPAV	07/2001 – today	Monthly	/
	BOD_5	ARPAV	07/2001 – today	Monthly	LIM
	COD	ARPAV	07/2001 – today	Monthly	LIM
	Escherichia Coli	ARPAV	07/2001 – today	Monthly	LIM
	Nutrients	ARPAV	07/2001 – today	Monthly	LIM – LIMeco
	O_2	ARPAV	07/2001 – today	Monthly	LIM – LIMeco
	Pollutants	ARPAV	07/2001 - today	Monthly	RQE

TYPOLOGY	DATA/STATION	DATA PROPERTY	SURVEYED PERIOD	SAMPLING FREQUENCY	RELATED MCA INDICATOR
Environment	IBE	ARPAV	2001 – today	Yearly	IBE
	Fish Fauna	Province of Vicenza	1988, 1992	/	ISECI
	IFIM	Province of Vicenza	2009-2010	/	ISECI