

WP7-Action 7.1

Cordevole available data list

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Summary

SHORT DESCRIPTION

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

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Introduction

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

Available data

Available data for the Cordon creek, a little torrent included inside the Cordevole river basin pilot case study, concern the entire Cordon reach and the Creek Fiorentina, in which the Cordon flows and which one of main Cordevole tributaries.

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 public service BIM. Beside the production data, BIM has furnished also the discharge measured at the power plant release. Some important environmental indicators come from different monitoring programs promoted by the Province of Belluno, which has involved the whole Cordevole river basin, and a part of the Fiorentina Creek. Part of the hydrologic data and most of the chemical data are on the other hand collected and managed directly by ARPAV.

Table 1: Cordevole pilot case study available data list

TYOLOGY	DATA/STATION	DATA PROPERTY	SURVEYED PERIOD	SAMPLING FREQUENCY	RELATED MCA INDICATOR
Economy	Mean daily production	BIM	2004-today	Daily	All the economic indicators
Hydromorphology	Discharge				
	Rio Cordon (upstream)	ARPAV	1988-today	Hourly	IQM – IARI
	Rio Cordon (downstream)	BIM	2004 - today	Hourly	IQM – IARI
	Water level				
	Rio Cordon	ARPAV	1988 - today	Hourly	IQM - IQH
	Groundwater level	ARPAV	1988 - 2010	hourly	IQM
	Solid Discharge	ARPAV	1988 - 2010	hourly	IQM
Chemistry (on the Fiorentina Creek, near tt the confluence with the Creek Cordon)	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

TYOLOGY	DATA/STATION	DATA PROPERTY	SURVEYED PERIOD	SAMPLING FREQUENCY	RELATED MCA INDICATOR
Environment (on the Fiorentina Creek)	IBE	Province of Belluno	1996 – 2006	Yearly	IBE
	Fish Fauna	Province of Belluno	2000 - 2006	Yearly	ISECI
	IFF	Province of Belluno	2000 - 2006	Yearly	IQM
Environment (on the Cordon Creek)	Turbidity	ARPAV	1988 - 2010	hourly	ISECI