

WP7-Action 7.2

Astico new data list

28/02/2012

version 2.0

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PP2-ARPAV

SHARE - Sustainable Hydropower in Alpine Rivers Ecosystems
<http://www.sharealpinerivers.eu>

Project reference number: 5-2-3-IT

Priority 3 – Environment and Risk Prevention

Project duration: 36 months – 1/08/2009 – 31/07/2012

Summary

SHORT DESCRIPTION

This document intends to resume the new data to be collected in order to complete the definition of the indicators for MCA analysis

Document Control

Project	SHARE - Sustainable Hydropower in Alpine Rivers Ecosystems (ref. 5-2-3-IT)
Action	WP7 – action 7.2
Deliverable	YES : WP7-7
Due date	Project Month 31 (February 2012)
Delivery date	28/02/2012
Dissemination	Public
Origin	PP2– ARPAV
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VERSION	DATE	AUTHOR	AUTHOR'S ORGANIZATION	DESCRIPTION/CHANGES
v02.00				2 st version
V02.00				Current version

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Introduction

This document resumes the list of new data that will be collected during the SHARE project period, in order to define all the indicators chosen for the MCA analysis

New data

The data sets that will be collected during the SHARE project period are substantially of the same kind of those which are already available.

The main difference stands for the environmental indicators, for which the sampling frequency is increased. In these sections a new kind of data concerning the macrophytes, never collected before on the river Astico, has been inserted.

Table 1: Astico pilot case study new data list

TYOLOGY	DATA/STATION	DATA PROPERTY	SURVEYED PERIOD	SAMPLING FREQUENCY	RELATED MCA INDICATOR
Economy	Mean daily production	Eusebio Energia	2010 - 2012	Daily	All the economic indicators
Hydromorphology	Discharge				
	Ponte Pilo	Eusebio Energia	2010 - 2012	Hourly	IQM – IARI
	Pedescala	ARPAV	2010 - 2012	Hourly	IQM – IARI
	Water level				
	Ponte Pilo	Eusebio Energia	2010 - 2012	Hourly	IQM - IQH
	Pedescala	ARPAV	2010 - 2012	Hourly	IQM – IQH
	Velo d’Astico	ARPAV	2010 - 2012	Hourly	IQM – IQH
Chemistry	Temperature	ARPAV	2010 - 2012	Monthly	IQM - IQH
	pH	ARPAV	2010 - 2012	Monthly	/
	BOD ₅	ARPAV	2010 - 2012	Monthly	LIM
	COD	ARPAV	2010 - 2012	Monthly	LIM
	Escherichia Coli	ARPAV	2010 - 2012	Monthly	LIM
	Nutrients	ARPAV	2010 - 2012	Monthly	LIM – LIMeco
	N ₂	ARPAV	2010 - 2012	Monthly	LIM – LIMeco
	P	ARPAV	2010 - 2012	Monthly	LIM – LIMeco
	O ₂	ARPAV	2010 - 2012	Monthly	LIM – LIMeco
Pollutants	ARPAV	2010 - 2012	Monthly	RQE	
Environment	Macrobenthos	ARPAV	2010 - 2012	Twice a year	IBE

Environment	Macrobenthos	ARPAV	2010 - 2012	Twice a year	MacrOper
	Fish Fauna	ARPAV	2010 - 2012	Twice a year	ISECI
	Fish Fauna	ARPAV	2010 - 2012	Twice a year	Quantitative analysis
	Macrophytes	ARPAV	2010 - 2012	Twice a year	IBMR
	IFF	ARPAV	2010 - 2012	Yearly	IQM

The chemical & environmental data were recovered (Fig. 1), in the 2011 field surveys, downstream Leda dam and downstream the restitution point of Bessè HP (Fig. 2 and 3):

- ST_01 – 150 m downstream Leda dam (300 m a.s.l.).
- ST_02 – 250 m downstream the restitution point of Bessè HP (300 m a.s.l.).

Figure 1: chemical and biotic field surveys along the Astico river downstream the Leda dam



Figure 1: Astico river downstream Leda dam; chemical & environmental field data surveys of 2011

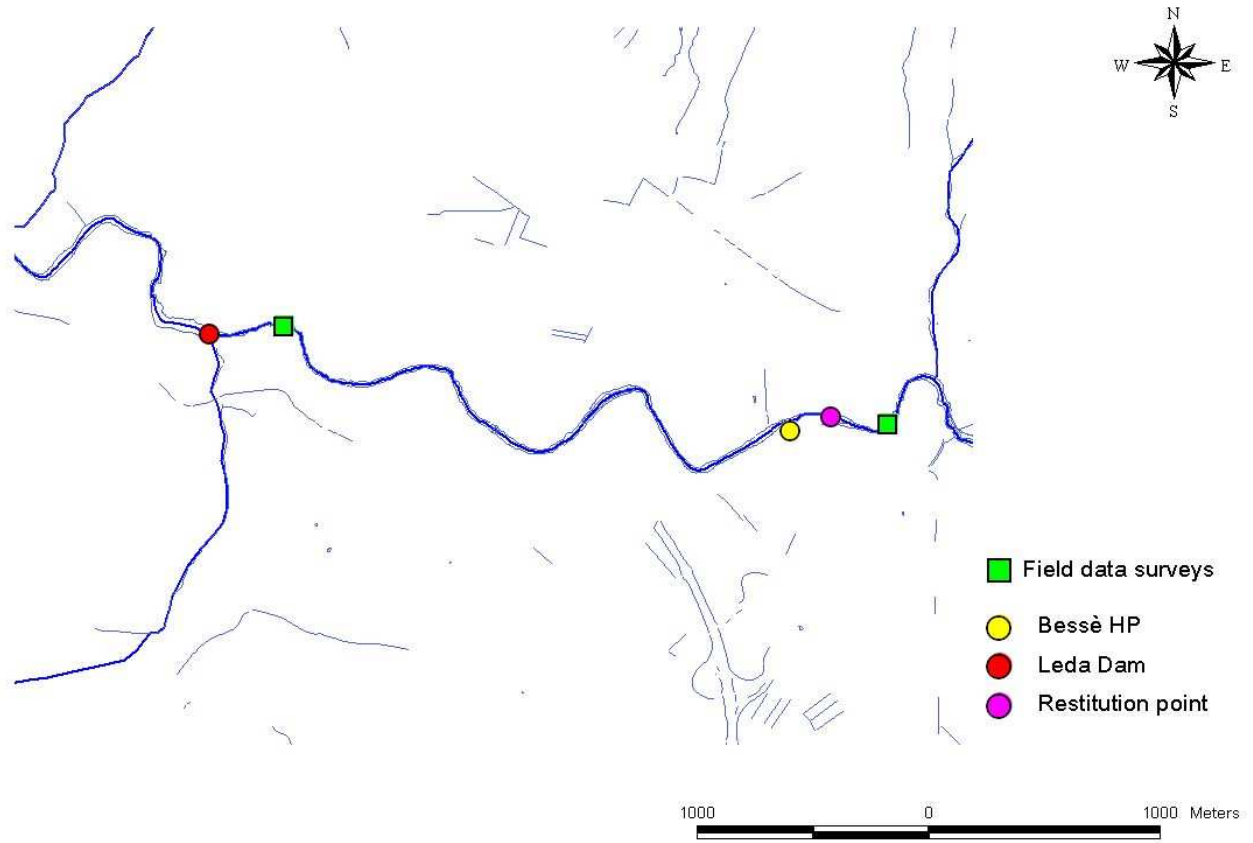


Figure 2: Astico river downstream Leda dam; chemical & environmental field data surveys of 2011 from aerial photograph view

