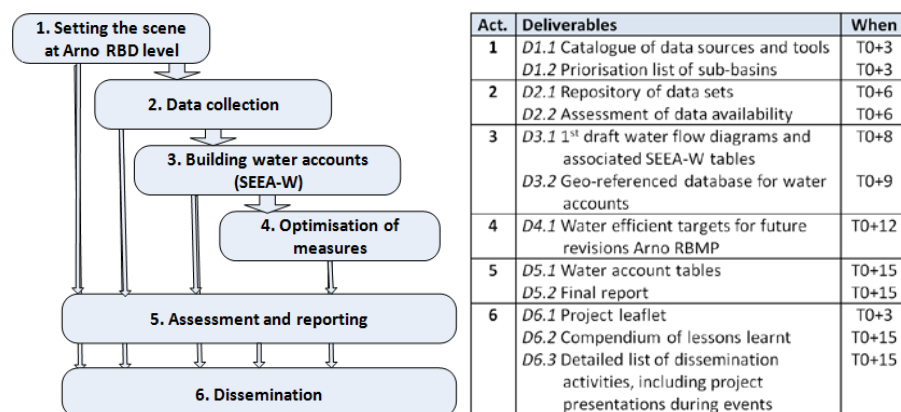


- at the EuroMed level, by EMWIS in particular in the framework of the extension of the Shared Environmental Information System to South EU neighborhood countries for structuring water information systems;
- at the EU level, by the EEA and DG ENV feeding into the Common Implementation Strategy (CIS) for the EU Water Framework Directive (WFD 2000/60/EC) to improve the EU wide water accounts and to provide examples of quantitative water resources management measures and related targets that could be added to RBMP as a response to the outcomes of the "Blueprint to safeguard Europe's waters".



PAWA activities & expected deliverables



Starting date: **1st January 2015** – End date: **31st March 2015**

Duration: **15 months**

Project coordinator: **Dr. Stefano Mariani – ISPRA**

For any further details, please visit the PAWA official web page:

❖ <http://www.emwis.org/initiatives/pawa>

and the web pages in Italian:

❖ <http://www.isprambiente.gov.it/it/progetti/pawa>

❖ <http://www.adbarno.it/adb/>

or send an email to: pawa@isprambiente.it.

THE "PILOT ARNO WATER ACCOUNTS (PAWA)" PROJECT

JAN. 2014 – MAR. 2015

Grant Agreement

No. 07.0329/2013/671279/SUB/ENV.C.1

Funded by

the EC Directorate-General Environment

Directorate D – Water, Marine Environment & Chemicals

ENV.D.1 – Protection of Water Resources

under the 2013 Call for Proposals

"Preparatory Action on development of prevention activities to halt desertification in Europe"

Partners



The **PAWA** project started in January 2014 as part of the funding call launched by the Directorate-General Environment (**DG ENV**) of the European Commission with the aim of promoting preventive actions against desertification through a sustainable management of water resources.

The call focused on those river basins that were seriously affected in the last years by water scarcity, droughts and/or desertification. **Seven pilot projects** were selected for funding under this call,

namely **ASSET**, **DURERO**, **GuaSEAW+**, **PAWA**, **PROTAGUS**, **SYWAG**, and **WAMCD**. These projects include as target areas three transnational river basins (*Duero*, *Guadiana*, and *Tagus* – located between Spain and Portugal), several Spanish river basins (*Guadalquivir*, *Segura*, and the *Andalusian Mediterranean basins*), and one Italian river basin (**Arno**).

The **PAWA** project involves the participation of the Italian Institute for Environmental Protection and Research (**ISPRA** – leading partner), the Arno River Basin Authority (**ARBA**) and the International Organization **SEMIDE/EMWIS**, which is an initiative of the Euro-Mediterranean Partnership (**EuroMed**) to provide a strategic tool for exchanging information and knowledge in the water sector between and within the EuroMed countries. The general objective of the **PAWA** action is thus **to improve knowledge on water resources available** in the **Arno River basin** and **their use** within or outside the basin and **to assess the potential impact of management, technological and economical measures to reduce the vulnerability** of the territory **against water scarcity and drought**.

By the end of project (March 2015), the **PAWA** partnership aims at:

- **preparing physical water accounts** following the framework provided by the **SEEA-W – System of Environmental-Economic Accounting for Water**, using the best available data coming from field measurements or resulting from models when necessary. These



water accounts will be calculated with a monthly resolution for several past years (**1999–2013**) in order to identify trends. The quality of each dataset will be assessed using a simple scorecard based on the estimated accuracy of the data source;

- **preparing visualization products** (e.g., graphs and maps) based on the water accounts for decision making and concertation with local stakeholders in the basin, according to international standards applied to spatial data infrastructures;
- **using water accounts to assess the potential impact of combining various measures** related to water resource efficiency in the most vulnerable sub-basins and test their acceptability during workshops with stakeholders;
- **preparing water efficiency targets** for potential future integration into Arno River Basin Management Plan (**RBMP**);
- **disseminating the project results** and **sharing experiences** with other basin organizations and water authorities **in Italy** and **in the European and EuroMed areas**.



By providing the water balance tables and the related datasets, **the project will contribute in improving the implementation of water accounts at EU**

level by a better calibration of the computation used by the European Environmental Agency (**EEA**). The **PAWA** project **will also provide the EEA with water balances data at sub-basin level for an area where quality data scoring is rather low**, today.

The results of **PAWA** will be then used at several levels:

- **at Arno river basin level, by ARBA and local stakeholders to improve decision making** related to quantitative water resources management;
- **at the Italian level, by ISPRA for coherent developments in other river basins** in order to face water scarcity, droughts and/or desertification in the future;