

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

**Desertification 2012-2013**

Report No 2

(01/04/2014 – 30/06/2014)

**PAWA**

Pilot Arno Water Accounts

## 1. General Information

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- Name of beneficiary of grant agreement: **ISPRA – Italian National Institute for Environmental Protection**
- Official legal form: **Research public body**
- Official registration No: **NA**
- Official address: **Via Vitaliano Brancati, 48 – 00144 Rome, Italy**
- Name and title of the Project Coordinator: **Dr. Stefano Mariani**
- Name of partners in the pilot initiative
  1. **ARBA – Arno River Basin Authority** (contact person: **Lucia Fiumi**)
  2. **EMWIS TU – Technical Unit of Euro-Mediterranean Information System on know how in the Water Sector** (contact person: **Eric Mino**)
- Title of the pilot initiative: **PAWA – Pilot Arno Water Accounts**
- Grant agreement number: **07.0329/2013/671279/SUB/ENV.C.1**
- Start date and end date of the *reporting period*: **01/04/2014 – 30/06/2014**
- Target country/river basin: **Italy/Arno**

## 2. Activities undertaken and problems encountered

This chapter provides an overview of activities carried out in the reporting period, including a brief description and an assessment of their status. The activities and also numbering of activities shall correspond to activities listed in the application and hence in the grant agreement. Furthermore, problems encountered or foreseen that have or will impact an activity (and maybe a related deliverable) should be listed in this chapter, along with the proposed solution. It consists of two tables, namely [Table 1](#) and [Table 2](#) as presented below.

**Table 1 - Status of the planned Activities, period: <01/04/2014 – 30/06/2014>, <PAWA>**

Title	Brief description of activity undertaken within the reporting period	Partners/Stakeholders involved	Status <sup>1</sup> (C, P, NS)
1. Setting the scene	<p>A) The inception workshop and training was successfully organized in Florence on March 20<sup>th</sup>– 21<sup>st</sup> 2014. The workshop was introduced by the representatives of local public institutions, namely the Secretary General of the Arno River Basin Authority and the Councillor for Environment of the Municipality of Florence. The two-days workshop saw the participation and active involvement of a considerable number of local and national stakeholders (around 35 people per day) who participated to the project’s illustration and to a half day of specific training on the SEEA-Water tables. Presentations, pressbook, pictures and video of the event are available in the PAWA website: <a href="http://www.emwis.net/initiatives/pawa/meetings/Inception">http://www.emwis.net/initiatives/pawa/meetings/Inception</a></p> <p>B) Inventory and description of data sources was achieved thanks to the use of a metadata Geonetwork catalogue compliant with INSPIRE directives rules. This catalogue is described in the deliverable D1.1.</p> <p>C) Identification of three sub-basins (Chiana valley, Bisenzio valley and Prato plain, and Pisa area) within the Arno river basin where water accounts will have the best potential; these are described in the deliverable D1.2.</p>	All PAWA partners; local stakeholders and data providers/data producers, water networks operators and planners, water user associations, local government bodies, NGOs, public administrations, water licensing authorities (see list on the <a href="#">inception meeting web page</a> )	C
2. Data collection	Initial data collection has started together with the metadata collection within the Geonetwork catalogue; a data inventory table matching the SEEA-Water main elements with existing data has been prepared and has been filled in. The necessary datasets are shared on the PAWA ftp repository, with private and public access, analysis and validation of the collected data to identify gaps and possible alternative sources for data gaps; testing the use of the Hydrologic Modeling System (HEC-HMS), version 4.0; results of this activity are	All PAWA partners; data providers/data producer	P

<sup>1</sup> C=Completed, P=In Progress, NS=Not Started (for results already achieved reference may be made to previous reports).

Title	Brief description of activity undertaken within the reporting period	Partners/Stakeholders involved	Status <sup>1</sup> (C, P, NS)
	summarised in the deliverables 2.1 and 2.2.. The data collection activities will be formally closed at the end of July		
3. Building water accounts	Prototype MS-Excel and VBA application to test water account calculation and potential indicators; drafting a preliminary list of potential indicators, which was reviewed during the 2 <sup>nd</sup> Stakeholder Workshop.	All PAWA partners	P
4. Optimisation of measures			NS
5. Assessment and reporting			NS
6. Dissemination	A series of initiatives has been carried on to promote and disseminate the project aims and results; an official web page has been created and hosted in the EMWIS web site: <a href="http://pawa.emwis.net">http://pawa.emwis.net</a> ; in addition, ISPRA and ARBA hosted two pages (in Italian) dedicated to the project in their web sites: <a href="http://www.isprambiente.gov.it/it/progetti/pawa">http://www.isprambiente.gov.it/it/progetti/pawa</a> and <a href="http://www.adbarno.it/adb/">http://www.adbarno.it/adb/</a> ; in addition, information on PAWA can be addressed to the official email address ( <a href="mailto:pawa@isprambiente.it">pawa@isprambiente.it</a> ); an official Facebook page has been also created ( <a href="https://www.facebook.com/pages/Pilot-Arno-Water-Accounts/767559079938950">https://www.facebook.com/pages/Pilot-Arno-Water-Accounts/767559079938950</a> ); the PAWA project and the relevant events were announced in different press agencies and newsletters, on EMWIS electronic news flash, and in the ISPRA and ARBA websites; an updated list of the dissemination activities is available in the second interim version of deliverable 6.3	All PAWA partners	P

**Table 2 - Problems encountered or foreseen and suggested solution, period: <01/04/2014 – 30/06/2014>, <PAWA>**

<b>Problem encountered or foreseen:</b>	-
<b>Activity and/or Deliverable affected:</b>	-
<b>Planned/suggested solution:</b>	-

### 3. Deliverables

This chapter provides a comprehensive overview of the specific outputs of the project in the reporting period in terms deliverables (reports, databases, models, conferences, meetings, leaflets, newsletters, etc.) The progress in terms of deliverables is presented in the form of [Table 3](#), below. The table provides an overview of all project deliverables (even those not

started yet), specifying which ones have been completed and which ones are in progress, and the activities undertaken in relation to those deliverables. It highlights potential problems that may have occurred or other constraints, to enable timely corrective actions. The Deliverables shall correspond to the ones listed in the application and hence in the grant agreement.

**Table 3 - Deliverables, period: <01/04/2014 – 30/06/2014>, <PAWA>**

# Deliverable	Name of Deliverable	Status (C, P, NS)	Brief description of the activities implemented in relation to the Deliverable	Problems, Constraints, Comments
D2.1	Repository of data sets	C	<ul style="list-style-type: none"> <li>The metadata Geonetwork platform and an FTP repository (with both public and private access) have been created and progressively populated during also this second reporting period. All dataset used are available on the FTP repository. Additional datasets might be added during the phase of building the SEEA-W table for better detailed analysis</li> <li>The deliverable is available in the project website<sup>2</sup> and in the public ftp repository</li> </ul>	-
D2.2	Assessment of data availability	P	<ul style="list-style-type: none"> <li>Data collected for building the water account tables have been analysed and validated in order to identify gaps, alternative and/or additional data sources</li> <li>The deliverable is available in the project website<sup>3</sup> and in the public ftp repository</li> </ul>	<ul style="list-style-type: none"> <li>Water abstraction data is mainly based on permits (i.e. maximum and constant values)</li> </ul>
D6.3	Detailed list of dissemination activities, including project presentations during events	P	<ul style="list-style-type: none"> <li>This deliverable will be completed, as foreseen in the grant, at the end of the project (T0+15)</li> <li>An updated interim version is online<sup>4</sup> to provide the status of the dissemination and concertation actions implemented during the first two activity periods (T0+6)</li> <li>An updated version will be available at T0+9, and T0+15</li> <li>The deliverable is available in the project website and in the public ftp repository</li> <li>The deliverable contains either hyperlinks to the actions or indication where to find further information</li> </ul>	-

<sup>2</sup> <http://www.emwis.net/initiatives/pawa/deliverables/d2.1-repository-data-sets>.

<sup>3</sup> <http://www.emwis.net/initiatives/pawa/deliverables/d2.2-assessment-data-availability>.

<sup>4</sup> <http://www.emwis.net/initiatives/pawa/deliverables/d6.3-detailed-list-dissemination-activities-including-project-presentations>.

#### 4. Meetings

This chapter provides an overview of the meetings that took place in the reporting period, including a brief description of their purpose. It consists of one table, namely [Table 4](#) as presented below.

**Table 4 - Meetings, <01/04/2014 – 30/06/2014>, <PAWA>**

Meeting name	Purpose of the meeting	Partners/Stakeholders involved	Location	Dates
CIS WG "Water Accounts" – 1 <sup>st</sup> Meeting	Defining objectives and future activities of the CIS WG "Water Accounts"	ISPRA, delegates of the EU Member States, DG ENV	Brussels	04 APR 2014
Sub-DG on E-flows guidance	Refining contents of the E-flow guidance	ISPRA, delegates of the EU Member States, DG ENV	Brussels	28 APR 2014
3 <sup>rd</sup> Meeting of the OECD Water Governance Initiative (28–29 APR 2014)	Presenting and sharing projects, lessons and good practices in support of better governance in the water sector; the PAWA project was presented during the working group session on "Basin Governance" where water accounts were discussed as a tool for good water governance.	ARBA, international delegates of the OECD Water Governance Initiative	Madrid	28–29 APR 2014
3 <sup>rd</sup> Team Working Meeting	Overview of the activities performed; check and updating of the activities planned till the end of June 2016 (T0+6); discussion on topics for the upcoming 2 <sup>nd</sup> Stakeholder Workshop (JUL 2014)	All PAWA partners	via Skype	6 MAY 2014
1 <sup>st</sup> National SEEA-Water Meeting	Coordination of the Spanish projects funded per Desertification Call 2013 and concertation with the Spanish River Basin Authorities, the Spanish Environment Ministry, and the Spanish National Institute of Statistics; concertation with the project PAWA and DG ENV	ARBA, ISPRA, representatives of the Spanish projects funded by the Desertification Call 2013, Spanish River Basin Authorities, Spanish Environment Ministry, Spanish National Institute of Statistics, DG ENV	Madrid	11 JUN 2014

#### 5. Other issues

This chapter provides a summary of additional important information.

- Since 1 July 2014, Ms Tania Luti (w. a temporary position) is part of the ISPRA staff involved in the project. She replaces Mr Saverio Venturelli. Ms Luti has a significant experience with GIS, which is required by the activities planned in the second part of the project (from Activity 3). Ms Francesca Piva (researcher senior and GIS expert) and Dr Carlo Percopo (researcher and expert on statistics on water budget) will continue however to support occasionally the PAWA action.
- Since July 1<sup>st</sup>, Mr Stefano Bartalesi is part of the ARBA staff involved in the project. He has a significant experience on the water balances of the analysed areas.

- In view of the upcoming 2<sup>nd</sup> Stakeholder Workshop (2 July 2014, Florence, IT), it has been decided to extend the Activity 2 “Data Collection” by one month (until July 2014) in order to take in account any possible feedback and suggestions on data coming from the local stakeholders and data providers that will be present. This extension has no effect on the overall project workflow since the Activity 3 “Building SEEAW”, which is based on the data collected for three selected Arno sub-basins, started as planned in June 2014.

## 6. Updated Work Plan

This chapter provides an updated outlook of the work plan ([Table 5](#)) regarding the whole period of implementation. If the work plan is unchanged, you may simply refer to the previous report or to the application work plan.

**Table 5 - Work plan, <01/01/2014 – 31/03/2015>, <PAWA>**

Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Activities</b>															
1. Setting the scene															
2. Data collection															
3. Building SEEAW															
4. Optimisation of measures															
5. Assessment and reporting															
6. Dissemination and concertation															
<b>Meetings<sup>5</sup></b>															
PAWA Kick-off Meeting (1 <sup>st</sup> Team Working Meeting; 28 JAN 2014)	X														
Programme Kick-off Meeting (1 <sup>st</sup> EU Concertation Meeting; 05 FEB 2014)		X													
1 <sup>st</sup> Stakeholder Workshop and Training Session + 2 <sup>nd</sup> Team Working Meeting (20–21 MAR 2014)			X												
CIS WG "Water Accounts" – 1 <sup>st</sup> Meeting (4 APR 2014)				X											
Sub-DG on E-flows guidance (28 APR 2014)				X											
3 <sup>rd</sup> Meeting of the OECD Water Governance Initiative (28–29 APR 2014)				X											
3 <sup>rd</sup> Team Working Meeting via Skype (6 MAY 2014)					X										
1 <sup>st</sup> National SEEA-Water Meeting (11 JUN 2014)						X									
2 <sup>nd</sup> Stakeholder Workshop + 4 <sup>th</sup> Team Working Meeting (1–3 JUL 2014)							X								
Conference “La ricarica della falda: l’esperienza italiana nel contesto Europeo” (3 OCT 2014)									X						

<sup>5</sup> The meeting list does not contain the EU Concertation Meetings (dates tbc by DG ENV) and other dissemination meeting at national, European and international levels not yet defined/selected.

Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
34 <sup>th</sup> Italian Conference of Hydraulics and Hydraulic Construction (IDRA14; 8–10 SEP 2014)									X						
EMWIS Steering Committee (9 SEP 2014)									X						
CIS WG "Water Accounts" – 2 <sup>nd</sup> Meeting (30 OCT 2014)										X					
3 <sup>rd</sup> Stakeholder Workshop + 5 <sup>th</sup> Team Working Meeting (NOV, dates tbc)											X				
OECD 4 <sup>th</sup> Meeting of the OECD Water Governance Initiative											X				
Euro-INBO (12–15 NOV 2014)											X				
Mediterranean Water Forum (26–27 NOV 2014)											X				
PAWA Final Meeting (dates tbc)														X	