CHRONOGRAM

		2012			2013				2014				2015			
	Duration	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	N
A.1	Expected															
	Current															
B.1	Expected															
	Current															
B.2	Expected															
	Current															
B.3	Expected															
	Current															
C.1	Expected															
	Current															
D	Expected															
	Current															
E.1	Expected															
	Current															
E.2	Expected															
	Current															

Summarizing, current situation of WATOP Project (to date **31st December 2013**), is the following:

Action A1: TECHNICAL REQUIREMENTS FOR IN SITU IMPLEMENTATION OF THE PURIFICATION EQUIPMENT (**COMPLETED WITH SUCCESS**)

<u>The targeted objectives have been achieved:</u>
They have been studied the different processes, facilities and lay out of the Waste Water Treatment Plant (WWTP) of Estella, managed by SMSA, in order to establish the specific technical requirements of the new filtering device to be developed. At the same time, it has been carried out a study of the wastewater parameters at the filtering inlet and outlet conditions, to define the system in terms of these parameters. Finally, the electrical consumption and flow rates of the WWTP of Estella have been studied with the aim of acquiring more knowledge of the current plant.

WWTP of Estella

Action B.1: DEVELOPMENT OF THE PURIFICATION DEVICE AT PILOT SCALE. (**COMPLETED WITH SUCCESS**)

<u>The targeted objectives have been achieved:</u>
Different nano-resins PAA/CD have been synthesized at pilot scale, which capacity to capture organic micro-pollutants. The obtained nano-resins have different crosslinking degree and are able to work at different pH.

Nano-resin PAA/CD

On the other side, a prototype of the filtering device has been designed and developed, basically a casing which contains different removable plates, where the nano-resins or filtering material will be placed. The system is able to modify the number of modules in order to optimize the quantity of nano-resin to be added.

Laboratory scale prototype filter

Action B.2: PILOT SCALE TESTS OF THE PURIFICATION CAPACITY OF PPCPs REMOVAL AND PARAMETERS ADJUSTMENT **(ON GOING)**
Although this task was initially planned to be finished in December 2013, it has been elongated until June 2014.

In this action, they have been carried out the following steps and progress:
The behavior of the filter material in static and in continuous tests has been studied at laboratory scale, as well as the purification and the regeneration capacity of the nano-resins.

Currently, we are conducting more tests to improve the results obtained in terms of saturation and regenerative capacity of the filter (the number of purification cycles that the filter resists before saturation).

Laboratory testing in continuous with filter prototype

Action B.3: PROTOTYPE IMPLEMENTATION IN WATER PURIFICATION PLANT **(ON GOING)**

Currently, they are performing filter definition and dimensioning tasks, in order to scale the prototype and construct it in SMSA facilities.

Regarding the following tasks, they are being carried out from the beginning of the project and will be done during all the project:

- Action C.1: MONITORING OF THE PROJECT IMPACT
- Action D: COMMUNICATION AND DISSEMINATION ACTIONS
- Action E.1: PROJECT MANAGEMENT
- Action E.2: NETWORKING WITH OTHER PROJECTS.