



LIFE Project Number  
**LIFE12 ENV/IT/000442**

**Inception Report**  
**Covering the project activities from 01/01/2014 to 30/09/2014**

Reporting Date  
**30/09/2014**

LIFE+ PROJECT NAME or Acronym  
**SEKRET**

Data Project

<b>Project location</b>	Italy – Netherlands
<b>Project start date:</b>	01/01/2014
<b>Project end date:</b>	31/12/2016
<b>Total budget</b>	1,820,203
<b>EC contribution:</b>	908,661
<b>(%) of eligible costs</b>	50.00%

Data Beneficiary

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## 2. List of abbreviation

EC	European Commission
EK	Electrokinetics
EKR	Electrokinetic Remediation

### 3. Executive summary

This report presents the activities carried out within the project LIFE+ “Sediment ElectroKinetic REmediation Technology for heavy metal pollution removal - SEKRET” (LIFE12 ENV/IT/000442) in the period between 01/01/2014 and 30/09/2014.

The aim of this Life+ project is to demonstrate, through several dedicated actions, that sediment dredged from harbours, characterized by heavy metal and hydrocarbon concentrations over acceptable standards, can be treated in a specifically equipped Confined Disposal Facility by means of electrokinetic remediation (EKR) in order to reach the compliance with such standards. The environmental and economic benefits of this solution in comparison to mere landfill disposal will be demonstrated as well.

The main SEKRET action will be the demonstration of the EKR technology by way of a demonstrative plant to be built in a dedicated area of the Port of Livorno to treat an approximate amount of 150 m<sup>3</sup> of purposely dredged sediment. The plant will be made up of a basin (effective volume 150 m<sup>3</sup>; depth 1.5 m) contained within prefab reinforced concrete walls and sealed by a waterproof liner, completely removable at the end of the project.

#### 3.1 General progress

The SEKRET project started as foreseen and no significant technical problems have emerged. Most actions are going on as planned, three actions present a slight delay which will be absorbed in the backup time considered in the timetable, and will not affect either other actions or the project itself.

The following preparatory and implementation actions were completed: Preliminary assessment of working environment. (Action A1) and Design of demonstration plant. (Action B1).

The following implementation actions have been started: Construction and validation of demonstration plant components (Action B2) and Construction and validation of the demonstrative plant (Action B3).

The results of the first laboratory tests performed within Action A1 were quite controversial. Therefore, more tests became necessary - and were performed - than what originally foreseen. As a consequence, although Action A1 was completed on time, a delay was caused to Action B1, which was completed 2.5 months later than the timetable, due to design data uncertainty. In turn, the delay of Action B1 affected Action B2 which is now later at least 2 months than the scheduled activity plan. To avoid further delays, the Coordinator called an urgent meeting with the beneficiary responsible of Action B2, and an update of the program of activities was agreed (including a better coordination between Actions B2 and B3) so as to avoid any impacts over Action B4, which will start on time in the first quarter of the second year.

Table 1 resumes the progress achieved in the project tasks from the beginning (January 1<sup>st</sup>, 2014) until September 30<sup>th</sup> 2014.

Table 1. Progress from January 1<sup>st</sup>, 2014 to September 30<sup>th</sup> 2014.

<i>Action number</i>	<i>Action description</i>	<i>% Finished</i>	<i>% Foreseen</i>
<b>A.1</b>	Preliminary assessment of working environment.	<b>100</b>	<b>100</b>
<b>B.1</b>	Design of demonstration plant.	<b>100</b>	<b>100</b>
<b>B.2</b>	Construction and validation of demonstration plant components	<b>15</b>	<b>70</b>
<b>B.3</b>	Construction and validation of the demonstrative plant	<b>5</b>	<b>50</b>
<b>B.4</b>	Demonstration of the SEKRET technology	<b>0</b>	<b>0</b>
<b>B.5</b>	Development of policy-oriented recommendations	<b>0</b>	<b>0</b>
<b>C.1</b>	Monitoring and characterization of treated sediments	<b>0</b>	<b>0</b>
<b>C.2</b>	Validation of the demonstrated technology with 6 more	<b>0</b>	<b>0</b>

	types of polluted port sediments		
<b>C.3</b>	Assessment of technical and economic part - Technical guidelines for the use of SEKRET technology	<b>0</b>	<b>0</b>
<b>D.1</b>	Project website	<b>70</b>	<b>70</b>
<b>D.2</b>	LIFE+ Notice boards	<b>100</b>	<b>100</b>
<b>D.3</b>	Layman's report	<b>0</b>	<b>0</b>
<b>D.4</b>	Articles and press releases	<b>0</b>	<b>0</b>
<b>D.5</b>	Networking	<b>25</b>	<b>25</b>
<b>D.6</b>	SEKRET sediment treatment manual and technical guidelines for the use of SEKRET technology	<b>0</b>	<b>0</b>
<b>D.7</b>	Demonstration workshop, seminars, conferences and other events	<b>0</b>	<b>0</b>
<b>D.8</b>	Dissemination to Institutions and policy makers	<b>25</b>	<b>25</b>
<b>D.9</b>	International fairs and other events	<b>25</b>	<b>25</b>
<b>D.10</b>	Digital supports for international diffusion	<b>25</b>	<b>25</b>
<b>D.11</b>	After-LIFE Communication Plan	<b>0</b>	<b>0</b>
<b>E.1</b>	Project management	<b>25</b>	<b>25</b>
<b>E.2</b>	Monitoring	<b>25</b>	<b>25</b>
<b>E.3</b>	Audit	<b>0</b>	<b>0</b>

Among the actions started, dissemination activities and material are fundamental in order to show the role of Life+ projects, in general, and the importance of SEKRET project, in particular, to people working in the remediation field. In addition, contacts with different local and national Institutions have been made. SEKRET has also been presented in different events, national and international conferences, in a specific web site, in notice boards, in a rollup and in brochures. In particular, the SEKRET dissemination Actions (Actions D.1 to D.10) have been performed in this project period detailing the type of product, as defined in the following table.

### DISSEMINATION PRODUCTS

Number of the Action	Name of the Action	Deadline	Expected results	Results at month 9
Action D.1	Project website	3 months	Project web site	Project web site and continuous updating
Action D.2	Notice boards	3 months	13 notice boards	13 notice boards displayed in beneficiary public places
Action D.3	Layman's report	24 months	Layman's report	-
Action D.4	Articles and press releases	24 months	30 articles	-
Action D.5	Networking	24 months	Clusters with 10 projects	Clusters with 4 projects
Action D.6	SEKRET technology manual	24 months	SEKRET manual	-
Action D.7	Demonstration workshop, seminars, conferences and other events	24 months	6 events	Contribution to 2 national and 1 international conference
Action D.8	Dissemination to Institutions and policy makers	24 months	Successful communications	Started to create contacts
Action D.9	International fairs and other events	24 months	4 fairs	-

Action D.10	Digital supports for international diffusion	24 months	100 copies of 1 project video in English, Italian and Netherland	-
Action D.11	After-LIFE Communication Plan	24 months	After-LIFE Communication Plan	-

A formal management structure has been also established and a monitoring protocol which defines duties and rules for the internal exchange of documents has been edited.

### 3.2 Assessment as to whether the project objectives and work plan are still viable

The project aims, objectives and work plan foreseen are still valid according to those indicated in the proposal description. The demonstration of electrokinetic treatment of contaminated dredged sediments, the actions proposed to get these goals and the timing of the project as a whole, as well as the project milestones developed up to the present time, are not changed and are still viable.

The project activities are in progress, just as scheduled in the project baseline. The problems encountered in the course of the work-planning of action B1 were solved. The slight delays to action B2 are being solved and should not compromise the aims and objectives of the project. However, Action B3 gained a slight delay as well, but a revision of the schedule with a better coordination between Actions B2 and B3 will allow Action B4 to start on time. Hence, the slight delays gained so far will neither compromise the successful demonstration of the technology, nor affect the timetable of the project as a whole.

The activities carried out in the first 9 month of the project show that the project objectives are still viable.

### 3.3 Problems encountered

The following problems were encountered in the first period of the SEKRET project:

- Action A1: since the results of the first tests were quite controversial, an extra set of tests was performed. However the Action was concluded on time, but a slight delay was caused to Action B1 due to design uncertainty.
- Action B1 was concluded two months later than the scheduled activity plan, due to data uncertainties during the sediment testing activity.
- These technical problems lead also to a delay of Action B2, which is ongoing.
- Furthermore, the selection of some crucial components of the plant requested more time than expected: after an evaluation of the possibility of renting, rather than buying such components, West Systems (in charge of the construction of plant components) formally communicated to the Coordinator the final decision to give up the rental option and proceed to buy all the components of the prototype plant during an urgent meeting this morning.
- To avoid any caused delays to the beginning of Activity B4, a better coordination between activities B2 (construction of plant components) and B3 (plant construction) was agreed. The new schedule foresees that the plant components will be assembled during a sequence of three steps, with all the parts necessary to allow the construction of the basin, the dredging of sediments and the filling of the basin, to be completed first. Following this adapted schedule, Activity B4 will begin on time in the first quarter of the second year, without any implication on the timetable of the project as a whole.

As requested in the EC letter of 05/06/2014 related to the first monitoring visit, we confirm the definition of the following issues:

- The project website is continuously updated

- The follow-up indicators for monitoring action progress, as foreseen in Action E.2 are defined in the following Deliverable attached as annex to this Inception Report: Deliverable related to Actions E.2: Report on monitoring indicators
- The project beneficiaries are respecting every aspect of the Common Provisions, including the correct compilation and signature of the timesheets, letters of assignment and rules and regulations for the selection of subcontractors.

#### 4. Administrative part

##### 4.1 Description of project management

At all times, the SEKRET project has benefited from close collaboration between all beneficiaries and has maintained close contact with all through different media: emails, telephone, meetings, etc.

The management of the project is carried out in compliance with what was established in the proposal approved by the European Commission, with all beneficiaries acting in compliance with the Common Provisions and the Partnership Agreement. The Coordinator gathers a short monthly report of activities from all the beneficiaries and sends a monthly summary to the Monitor at the end of each month.

Beneficiaries have carried out different meetings in order to organize, coordinate and develop the project. The coordination meetings held during these first nine months of the project were:

- Kick-off meeting, 14<sup>th</sup> January 2014, at UNIPISA premises in Livorno- Italy.
- Progress and Coordination 6 month meeting, July 15<sup>th</sup> 2014, at UNIPISA premises in Livorno- Italy.

Monitoring meetings with LIFE's External Assistance Team:

- Monitoring meeting May 9<sup>th</sup> 2014 at the partner UNIPISA premises in Livorno- Italy: Ms Monica Marrucci.

In addition many meetings between some partners were organised in order to plan and monitor the project technical activities.

Additionally, as already mentioned, a report is submitted each month to the monitor of LIFE's External Assistance Team, which carries out the follow-up of the SEKRET project.

##### 4.2 Organization of the project team and the project management structure

The project management structure is very simple as only 5 beneficiaries, plus the EC and the LIFE external team:

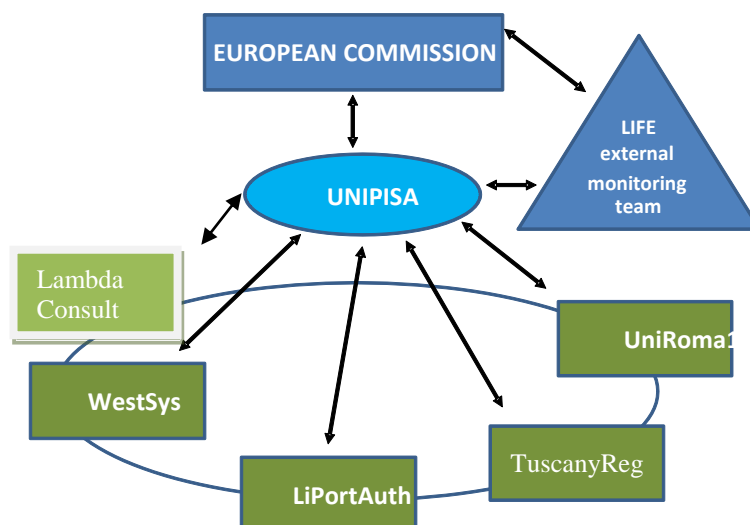


Figure 1. SEKRET management structure.

In particular, the SEKRET beneficiaries defined the following two management structures:

- **Technical Committee:**
  - UNIPISA: Renato Iannelli
  - Lambda Consult: Reinout Lageman
  - LiPortAuth: Lisa Oliviero
  - TuscanyReg: Gilda Ruberti
  - UniRoma1: Alessandra Poletti
  - WestSys: Simone Neri
- **Administrative Committee:**
  - UNIPISA: Giovanna Carcea
  - Lambda Consult: Reinout Lageman
  - LiPortAuth: Lisa Oliviero
  - TuscanyReg: Maurizio Petrucciani
  - UniRoma1: Raffaella Pomi
  - WestSys: Federica Mattei

The SEKRET Partnership agreement was drawn up and signed by the members of the project in May 2014, according to the general recommendations of LIFE+. The SEKRET Partnership agreement defines also that the associated beneficiaries hereby shall provide to the coordinating beneficiary all the project timesheets every each month and the project technical and financial documents each three months.

The original documents of the SEKRET Partnership agreement are attached as Annex.

## **5. Technical part**

### **5.1 Actions**

#### **Action A.1. Preliminary assessment of working environment**

Action A.1 started on 1-1-2014 as scheduled in the project and it is going to be completed, as planned, on 30-09-2014. During this period (January-September 2014), UNIPISA carried out the collection of available data on sediments to identify the most polluted spots in the Port of Livorno (see Deliverable A1.1). All the required permission for building the plant were obtained (see Other Annexes 1 and 2) and samplings of the sediments from the most polluted area were performed. The physicochemical characterization of the sediment was carried out, as reported in Deliverable A1.2. The evaluation of operating condition for the electrokinetic treatment (Action A1.3) was finished (Deliverable A1.3) with some extra tests as described below.

Finally, Action A.1 was completed by 30-09-2014 as scheduled.

#### **Action B.1 Design of demonstration plant**

Action B.1 started on 1-1-2014 and was completed in September 2014, even if it should have finished by the end of June 2014. The delays are due to the uncertainties on data from the laboratory experiments (Action A1.3) as explained below.

This action has been completed by 100% and the results are reported in Deliverable Action B.1. "Design and specification of demonstration plant". All technical details are given in the documents included in the deliverable, consisting of 3 reports and 8 drawings.

#### **Action B.2 Construction and validation of demonstration plant components**

This action started in April 2014 and due to the delays encountered in Action B.1, it will continue up to the first quarter of year 2015 (even though planned December 2014), with an



agreed change of the schedule in order to improve the coordination with Action B.3 to avoid any consequent delay to Action B4 as already explained. Currently, this action is completed by 15 %.

### **Action B.3 Construction and validation of demonstrative plant**

This action started only for the connection to the electric power grid, due to the delays in Action B.1 and B.2 and is expected to be finished by the first quarter of year 2015, with a better coordination with Action B.2 (even though planned December 2014), as already explained.

### **Action D.1 Project website**

During February 2014 the web site [www.LIFESEKRET.com](http://www.LIFESEKRET.com) was published and it is network-accessible. The site is periodically updated and it contains, in its public or reserved areas, all the documents produced during the project's activities:

- project description;
- objectives;
- actions;
- progress;
- results.

UNIPISA was the responsible of the creation of the SEKRET web site. The web site created was clearly and visibly marked with Life logo.

The results of the activities carried out in Action D.1 are defined in the following project Deliverable foreseen at the end of Month 3 and attached as annex to this Inception Report:

- Deliverable Action D1: Project website

### **Action D.2 LIFE+ information boards**

During the first period of the SEKRET project UNIPISA created the structure of the project Notice board and produced 13 SEKRET Notice boards, which were sent to all the partners and displayed in visible spots and accessible places to the public on the partners' premises.

The results of the activities carried out in Action D.2 are defined in the following project Deliverable foreseen at the end of Month 3 and attached as annex to this Inception Report:

- Deliverable Action D2: Notice boards

### **Action D.5 Networking**

During this period, UNIPISA was responsible of the following networking activities:

- Networking contacts and activities with CLEANSED, BIOREM, ReSoil, GREEN SITE, IPNOA, SOILPRO, RESAFE (LIFE 09-10-11-12 projects).
- SEKRET presentation at the CNR LIFE event at Pisa on 25<sup>th</sup> March 2014

The Dissemination Annex shows evidences of this action.

### **Action D.8 Dissemination to Institutions and policy makers**

Since the start of the project, all beneficiaries began to have some contacts with different Institutions and policy makers in order to organise specific project meetings and dissemination events. The following preliminary contacts with institutions have been taken:

- Councillor for the Environment of Pisa City - Italy
- Environmental Department of Pisa Area - Italy

### **Action D.9 Internationals fairs and other events**

Some beneficiaries disseminated the SEKRET project participating in the following international fairs and events:

- SiCon 2014 event in February 6-7, 2014 at Brescia
- LIFE CNR event in CNR premises on 25 March 2014
- EREM 2014, 13th Electrokinetic Remediation Symposium, Malaga (E), 7-10 of September 2014

The Dissemination Annex shows evidences of all these actions.

### **Action D.10 Digital supports for international diffusion**

During this period, UNIPISA started to have some contacts with different external companies expert in video making in order to select the final one for the SEKRET video production.

During this period, all beneficiaries started to define the specific structure of the video of each specific partner.

### **Action E.1 Project management**

The project coordination actions need daily work to maintain a permanent flow of action with the aim of achieving the objectives set. The actions carried out were:

- Preparation of the Partnership Agreement
- Coordination and monitoring meetings:
  - Project kick-off meeting (14<sup>th</sup> January 2014, Livorno- Italy)
  - 6 month progress and coordination meeting (15 July 2014, Livorno- Italy).
  - Monitoring meeting (9<sup>th</sup> May 2014, Livorno- Italy)
- Organisation of different meetings between some partners in order to plan and monitor the project technical activities
- Continuous contact between all project partners for monitoring project activities
- Preparation of material for meetings.
- General actions and activities for the coordination of the project.
- Management of the financial aspects of the project.
- Monthly reports to the LIFE external team monitor on the evolution of the project.

During this period, the 5 beneficiaries associated, Lambda Consult, LiPortAuth, TuscanyReg, UnRoma1 and WestSys participated in project management activities, keeping in smooth contact with the project coordinator. In this sense, they prepared and attended the project management meetings and collaborated with the project coordinator (UNIPISA) in the preparation of the Inception Report, as set out in the project proposal.

### **Action E.2 Monitoring**

During the first nine months of execution, monitoring tasks have been carried out for each action, reflecting the general indicators obtained in table 1 at the start of this report (Table 1. Progress from 1st January 2014 to 30th September 2014). In particular:

- UNIPISA, as project coordinator, has continuous contact with all project partners for monitoring project activities
- UNIPISA, as project coordinator, gathers a short monthly report from all beneficiaries aimed at evaluating the proper flow of activities as scheduled
- UNIPISA, as project coordinator, prepares and sends a monthly summary of the project activities carried out to the external monitoring team.

The results of the activities carried out in Action E.2 are defined in the following Deliverable attached as annex to this Inception Report:

- Deliverable related to Actions E.2: Follow-up indicators of monitoring indicators

## **5.2 Availability of appropriate licences and authorisations**

The permit for the construction and operation of the plant was obtained as planned and is attached as Annex.

### 5.3 Envisaged progress until next report.

Number/name of action	2014				2015				2016			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
Action A.1 Preliminary assessment of working environment.	/	/	/									
Action B.1 Design of demonstration plant.	/	/	/									
Action B.2 Construction and validation of demonstration plant components		/	/		X							
Action B.3 Construction and validation of the demonstrative plant			/		X							
Action B.4 Demonstration of the SEKRET technology					X	X						
Action B.5 Development of policy-oriented recommendations												
Action C.1. Monitoring and characterization of treated sediments												
Action C.2. Validation of the demonstrated technology with 6 more types of polluted port sediments				X	X	X						
Action C.3. Assessment of technical and economic part - Technical guidelines for the use of SEKRET technology												
Action D.1. Project website	/	/	/	X	X	X						
Action D.2. LIFE+ Notice boards	/											
Action D.3. Layman's report												
Action D.4. Articles and press releases												
Action D.5. Networking	/	/	/	X	X	X						
Action D.6. SEKRET												

sediment treatment manual and technical guidelines for the use of SEKRET technology													
Action D.7. Demonstration workshop, seminars, conferences and other events													
Action D.8. Dissemination to Institutions and policy makers	/	/	/										
Action D.9. International fairs and other events	/	/	/										
Action D.10. Digital supports for international diffusion	/	/	/										
Action D.11. After-LIFE Communication Plan				X	X	X							
Action E.1. Project management	/	/	/										
Action E.2. Monitoring	/	/	/										
Action E.3. Audit													

Task foreseen in the proposal  Tasks performed so far  Updated task duration 

Next actions to midterm report

In particular the following activities of the following Actions will be carried out during next months until the midterm report foreseen at 30/06/2015.

### **Action B.2 Construction and validation of demonstration plant components**

The construction and validation of plant components was delayed but will be completed within the first quarter of second year with improved coordination with Action B.3 so as to avoid delays of the startup of Activity B.4.

The action B.2 is expected to finish within the first quarter of 2015 instead of December 2014.

### **Action B.3 Construction and validation of demonstrative plant**

The construction and validation of the demonstrative plant is strictly related to the previous action (B.2). This action is delayed and will be better coordinated with Action B.2 to avoid delays of the start of Activity B.4.. It is expected to be completed by the first quarter of 2015.

### **Action B.4 Demonstration of the SEKRET technology**

The action B.4 will start in January 2015. The dredging of 150 m<sup>3</sup> of sediments will be carried out and they will be first stored in a temporary storage tank and then moved to the treatment basin. This action will start before the Action B.3 will be completed. After filling the treatment basin, the plant will be able to operate and the decontamination will start. The first step in the action B.4 does not depend on the previous actions so it will start in January, as scheduled.

### **Action C.2 Validation of the demonstrated technology with 6 more types of polluted port sediments**

The action C.2 will be carried out by UniRoma1 to evaluate the applicability of the process for the treatment of polluted sediments dredged in different harbours. The task is expected to start without delays on 1/10/2014, as scheduled, and will last 27 months.

### **Action D.1 Project website**

UNIPISA, with the support of all the beneficiaries, will update the SEKRET project website in relation with the progress of the project activities.

### **Action D.5 Networking**

All the SEKRET beneficiaries will be responsible for the organisation of networking activities in relation with the progress of the project activities.

### **Action D.8 Dissemination to Institutions and policy makers**

All the SEKRET beneficiaries will be responsible for the organisation of specific communication activities in order to disseminate the project actions and results to Institutions and policy makers.

### **Action D.9 International fairs and other events**

All the SEKRET beneficiaries will be responsible for the participation to some public fairs, conferences, events externally organized where Beneficiaries can present and disseminate the SEKRET project in relation with the progress of the project activities.

### **Action D.10 Digital supports for international diffusion**

All the SEKRET beneficiaries will start to organise, define and prepare the specific video related to each beneficiary project activity in order to collect all the material and produce the final general SEKRET video.

### **Action E.1 Project management**

UNIPISA, with the support of all the partners, will continue with daily work of project management in order to maintain a permanent flow of actions with the aim of achieving the objectives set. In particular:

- Organisation of 3<sup>rd</sup> Coordination meeting in Italy in January 2015
- Organisation of different meetings between some partners in order to plan and monitor the project technical activities
- Management of the financial aspects of the project.
- Monthly reports to the LIFE external team monitor on the evolution of the project.

### **Action E.2 Monitoring**

UNIPISA, with the support of all the partners, will continue to monitor the execution of project activities in order to verify the status of actions compared to the expected timing of the project. In particular:

- UNIPISA, as project coordinator, will have continuous contacts with all project partners for monitoring project activities
- UNIPISA, as project coordinator, will continue to prepare and send a monthly indication of operative activities to be done to all the partners
- UNIPISA, as project coordinator, will continue to prepare and send a monthly summary of the project activities carried out to monitoring representant and to all the partners

## 6. Financial part

The Inception Report describes technical and financial activities carried out until 30 September 2014.

### 6.1. Putting in place of the accounting system.

Each beneficiary has a specific payment responsible

- UNIPISA: Renato Iannelli selects the project cost formally approved by department director or UNIPISA council
- Lambda Consult: Reinout Lageman as managing director selects and decides
- LiPortAuth: Lisa Oliviero selects the project cost formally approved by administrative council
- TuscanyReg: Gilda Ruberti selects the project cost formally approved by administrative council
- UniRoma1: Alessandra Poletini selects the project cost formally approved by department director
- WestSys: Giorgio Virgili as managing director selects and decides, Sandro Mori, as CEO, approves

All beneficiaries have an accounting system that allows them to follow up the LIFE-SEKRET project accounting. Lambda Consult and WestSys, as private companies, manage the LIFE-SEKRET project costs with separated administrative and financial records. UNIPISA, LiPortAuth, TuscanyReg and UniRoma1, as public entities, have defined the following internal specific code (*codice commessa*) which identify the project and all costs and income related to the project. In particular, UNIPISA, LiPortAuth, TuscanyReg and UniRoma1, as public entities, have an internal specific code (*codice commessa*) and defined the following "capitoli di spesa" (cost centers) opened for the project:

- UNIPISA: CUP:I48C13000490006 Code CIG: 5739631053
- LiPortAuth: CUP I48C13000490006
- TuscanyReg: CUP I48C13000490006
- UniRoma1: CUP I48C13000490006

### 6.2. Continued availability of co financing.

Project financing is ensured by partners' own funds.

### 6.3. Costs incurred (summary by cost category and relevant comments).

The budget is being spent within the foreseen limits.

Budget breakdown categories	Total cost in €	Costs incurred from the start date	% of total costs
-----------------------------	-----------------	------------------------------------	------------------

		to 30.09.2014 in €	
<b>1. Personnel</b>	1,092,813	378,885.60	34.67
<b>2. Travel and subsistence</b>	30,600	7,905.78	25.83
<b>3. External assistance</b>	363,800	42,754.70	11.75
<b>4. Durable goods</b>			
<b>Infrastructure</b>			
<b>Equipment</b>	1,920	514.07	26.77
<b>Prototype</b>	180,000	50.00	0.02
<b>5. Land purchase / long-term lease</b>			
<b>6. Consumables</b>	16,500	6,450.84	39.06
<b>7. Other Costs</b>	12,800	1,211.40	9.46
<b>8. Overheads</b>	118,890	31,196.71	26.23
<b>TOTAL</b>	1,817,323	476,864.03	26.23

- The budget is being spent within the foreseen limits and there is no significant discrepancy with regard to initial estimations. The discrepancies between activities carried out and incurred costs spent is lower than expected for External assistance and Prototype due to a shift (at maximum 90 days) for payments.
- The 30% threshold value of eligible costs is expected to be reached in November 2014.

The following table is based on the Form B of the proposal (costs excluding overheads):

Action number and name	Foreseen costs	Spent so far	Remaining	Projected final cost
Action A.1 Preliminary assessment of working environment.	120,715	120,715.00	0	120,715
Action B.1 Design of demonstration plant.	154,379	154,379.00	0	154,379
Action B.2 Construction and validation of demonstration plant components	229,874	40,977.79	188,896.21	229,874
Action B.3 Construction and validation of the demonstrative plant	180,421	40,000.00	140,421	180,421
Action B.4 Demonstration of the SEKRET technology	250,776	0	250,776	250,776
Action B.5 Development of policy-oriented recommendations	69,033	0	69,033	69,033
Action C.1. Monitoring and characterization of treated sediments	76,054	0	76,054	76,054
Action C.2. Validation of the demonstrated technology with 6 more types of polluted port sediments	86,160	0	86,160	86,160
Action C.3. Assessment of	146,622	0	146,622	146,622

technical and economic part - Technical guidelines for the use of SEKRET technology				
Action D.1. Project website	38,477	38,477	0	38,477
Action D.2. LIFE+ information boards	3,864	3,864	0	3,864
Action D.3. Layman's report	10,450	0	10,450	10,450
Action D.4. Articles and press releases	22,013	0	22,013	22,013
Action D.5. Networking	20,102	10,000	10,102	20,102
Action D.6 SEKRET sediment treatment manual and technical guidelines for the use of SEKRET technology	38,116	0	38,116	38,116
Action D.7. Demonstration workshop, seminars, conferences and other events	64,594	0	64,594	64,594
Action D.8. Dissemination to Institutions and policy makers	31,898	0	31,898	31,898
Action D.9. International fairs and other events	12,709	1,587.21	11,121.79	12,709
Action D.10. Digital supports for international diffusion	11,512	0	11,512	11,512
Action D.11. After-LIFE Communication Plan	0	0	0	0
Action E.1. Project management	101,351	30,667.32	70,683.68	101,351
Action E.2. Monitoring	22,173	5,000.00	17,173.00	22,173
Action E.3. Audit	10,000	0	10,000	10,000
<b>TOTAL</b>	<b>1,698,433</b>	<b>445,667.32</b>	<b>1,252,765.68</b>	<b>1,698,433</b>