



LIFE-Trialkyl

Dissemination Plan

D. 1 Dissemination

**Description of the planned dissemination events and materials
for the LIFE-Trialkyl project**



With the contribution of the LIFE Programme of the European Union under
grant agreement LIFE14/ENV/IT/000346

Document description

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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Contents

1. Introduction
 - 1.1 Project outline
 - 1.2 Project Partnership
2. Strategic Overview
3. Target groups/audiences
 - 3.1 Main relevant target groups/audiences
4. Objectives
 - 4.1 Project objectives
 - 4.2 Communication objectives
 - 4.3 Role of the Partner's communication manager/officer
5. Messages
 - 5.1 Content of messages
 - 5.2 Desired messages attributes
 - 5.3 Key messages examples and slogans
6. Dissemination tools
 - 6.1 Logo and corporative image
 - 6.1.1 Logo options
 - 6.1.2 LIFE Programme Logo
 - 6.1.3 Power point presentation
 - 6.1.4 Project Signature
 - 6.2 Project website
 - 6.3 Project brochure and flyers
 - 6.4 Notice boards and posters
 - 6.5 Press release and articles
 - 6.6 Roadmap document
 - 6.7 Layman's Report
 - 6.8 Social media presence
7. Dissemination activities
 - 7.1 Events
 - 7.2 Workshops
 - 7.3 Links with other projects and networks
8. Indicators and Planning
9. After LIFE
10. Conclusion and Contacts
11. Annexes

1. Introduction

This dissemination plan for the LIFE-Trialkyl Project outlines the dissemination activities carried out by the Project Partners. It is produced in the first months of the Project according to the description of Work and it will be updated during the Project.

The deliverable describes the concepts and activities for collecting, structuring and presenting the information and results of LIFE-Trialkyl. An overview is given of all dissemination opportunities identified through traditional communication channels such as Project publications (e.g. brochures, flyers, press releases, articles), Project presentations (e.g. to local stakeholders) and event attendance (e.g. conferences, seminars, workshops etc.). These activities will be complemented also by online activities based around the Project website, and through the main social platforms (e.g. Twitter, LinkedIn).

The dissemination activities have been designed to target the target audiences and stakeholders.

Dissemination activities including but not restricted to publications and presentations will be governed by the Coordinating Beneficiary to defend the existing know how and any potential relevant new result whose uncontrolled dissemination could compromise the success of the Project.

For this reason, this document will contain the list of initiatives to be conducted during the Project and a table on dissemination and communication activities that will be regularly updated. This document will be also the base for the after-LIFE communication.

1.1 Project outline

Background

Chemicals are an essential part of European Union citizens' daily lives, and the EU chemicals sector is also a major strategic sector for the EU. However chemicals can pose a severe threat to the environment and health. Toxic chemicals represent about 62% of total chemical production in the EU. Several specific Phosphorus derivatives are used in a wide range of applications, including pesticides, flame retardants, plastics, childcare products and pharmaceuticals. Although there is no conclusive data on their toxicity for human health and environment, their production can involve chemical intermediaries (such as specific amines) that need to be treated and recovered, or phenol derivatives, which are all categorised as highly toxic. Additionally, waste water produced in the process needs to be treated and neutralised.

Objectives

LIFE-Trialkyl will demonstrate a more sustainable and efficient process for the production of such Phosphorus based compounds. The new process will avoid the un-necessary use of dangerous chemicals and will not produce contaminated wastewater because water use is largely avoided. The new process also uses less energy, provides a high quality compounds in high yield (higher than 95%) and generates by-products, which are useful for other sectors such as agriculture.

Expected results

LIFE-Trialkyl will:

- set up an innovative, highly sustainable and efficient innovative industrial continuous process;
- avoid the production of hazardous intermediaries and by-products and the use of dangerous chemicals for waste water treatment;
- reduce energy consumption in the process by 20-30% as a result of the simplification of the industrial process, the 100% recovery of solvents and elimination of waste water treatment;
- reduce water consumption by up to 100% and waste water production by up to 100%, compared to the current production process;
- increase awareness about alternative sustainable and eco-friendly chemical processes in the chemical industry.

Expected applications of the LIFE-Trialkyl compounds

The Project will demonstrate a more sustainable and efficient process for the production of additives used in a wide range of applications, including agriculture, plastics, childcare products, toys and pharmaceutical-food packaging. It will also generate by-products useful for agriculture.

1.2 Project Partnership

The Project Partnership is composed by 3 Partners, based in Italy and in Sweden.

- Italmatch Chemicals S.p.A.: it is a Global Specialty Chemical Group, with leadership in Lubricant, Water & Oil, Detergents, Plastics Additives, Markets and Technology leadership in Phosphorus Derivatives (both Organic and Inorganic), Polymers, Esters and Chlorides, from Synthetic to fully natural products. It has five manufacturing plants mainly located in Europe (Italy, Spain, Germany and UK). It has a long term view and approach in relation to both Customers and Suppliers, and has its strength in commitment and capability to deliver the most demanding technical or logistic tasks, often in conjunction with its major Partners.
- SC Sviluppo chimica S.p.A.: it is a service company totally owned by Federchimica, the Italian Federation of the Chemical Industry, that is a member of Confindustria, the General Confederation of the Italian Industry, and CEFIC, the European Chemical Industry Council. SC aims at supporting on a commercial basis the competitiveness of the whole Chemical Industry, fostering the improvement of the “operational excellence” of the Companies with particular focus to Energy, Innovation, R&D and environmental performance.
- RISE Research Institutes of Sweden AB is the national institute for technical evaluation, research, testing, certification, metrology and calibration and is working closely with large and small companies, universities, institutes of technology and other organisations. RISE’s activities cover a wide technical range, with about 30 technology areas organized in different inter-working technical divisions. They are some 2200 co-workers who base our services on competence, impartiality and international acceptance. RISE’s headquarters are located in Gothenburg on the West Coast of Sweden.

| | |
|--------------------------------|------------------------------------------------|
| Lead Partner (LP) | Italmatch Chemicals S.p.A. (IT) |
| Project Partner 2 (PP2) | SC Sviluppo chimica S.p.A. (IT) |
| Project Partner 3 (PP3) | RISE Swedish Research Institute AB (SE) |

Associated institutions supporting the project

Several Associated and Public Institutions have shown their interest towards the results of this project, so that it is worthy to mention them in perspective of potential future synergies within the second and final phase of the Project and in the after- LIFE session. In fact the Project meets the 7th Environmental Action Programme (EAP) within the:

- Chemicals in products;
- Circular Economy;
- Plants Protection Products regulations;
- CLP.

Today we recognize the interest on the results of the Project by:

| | |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| ECHA | www.echa.europa.eu |
| CLM (Centre of Agriculture and Environment) | www.clm.nl |
| ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale) | www.isprambiente.gov.it |

2. Strategic Overview

The Dissemination Plan gives a clear and structured guidance for the Project Partner cooperating within the LIFE-Trialkyl Project to plan and organize communication and dissemination activities and measures staying in line with the specific policy in Confidentiality and Protection of data revealed in the Partnership Agreement.

The main aim of dissemination activities within LIFE-Trialkyl Project is to spread the results of the Project towards the Public Institutions and the players in market in a selective way with reference to the many expected results by the Project, to get in touch with the selected key target groups and to inform them about the state of the art and about the benefits provided by the Project by adopting the most efficient tool according to each of the defined targets.

The additional benefit of the present Dissemination Plan is to help the staff in each Project Partner's organization finding the most effective way to transfer the goals and results of LIFE-Trialkyl Project to the representatives of each target group.

The Dissemination Plan is also a good tool to define the right way and the right times to spread the results. Project activities are covered by a confidentiality agreement, as the final product could be patented. For this reason, during the first time of the Project, dissemination activities will be very general and will be distributed in specific moments. So the major part of dissemination activities will be focused in the last months of the Project.

As we need extra sensitivity towards Confidentiality and Protection of Data, in line with the feedback received by EASME during the International kick off meeting held in Brussels on the 27th October 2015, we will develop a specific policy together with the monitoring team in the first phase of the Project that fits with the specific needs and with the LIFE Programme as well. It is clear from above that communicating the goals and the outputs of LIFE-Trialkyl has to deal with several challenges:

| Strengths | Weaknesses |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The successful completion of the Project would:</p> <ul style="list-style-type: none">• generate the resolution of key industrial existent general issues;• create immediate interest by many stakeholders in adopting the solution;• meet many key targets of the 7th EAP;• meet many key targets of the more general Horizon 2020 program giving origin to fruitful synergies | <ul style="list-style-type: none">• The high level of innovation oblige us to work in strict confidentiality that means need for long times to approve the various steps of the project. We expect the monitoring team to understand considering the Strengths and the opportunities of the LIFE-Trialkyl;• the risk for improper communication out of the protected area is high. |
| Opportunities | Threats |
| <ul style="list-style-type: none">• Re-open this chemical chapter in Europe;• Europe to become the leader in this specific technology. | <ul style="list-style-type: none">• Keeping high the commitment in front of a disruptive innovation project like this;• changed or delayed results;• to develop a strong dissemination and communication in such a sensitive field. |

3. Target groups/audiences

Target groups embrace Industry, Professionals and Academy, Local Authorities and Policy Makers.

3.1 Main relevant target groups/audiences

Target groups embrace Industry, Professionals and Academy, Local Authorities and Policy Makers, all to be involved in different time during and after the LIFE Project, according to the status of the art of the Project and the type of results achieved.

Within the up mentioned sectors:

Industry: Plastic industry (plastics additives producers, resins producers, extrusion and packaging transformers); agrochemical players. All these actors come from SMEs to Large Enterprises.

Professionals and Academy: Acknowledgement entities specialized in P (Phosphorus) chemistry at Research and Health and Environmental level to support the dissemination of the relevant contents in relation to the Environment related plus of the Project.

Local Authorities: limited inclusion for those information needed to get the due authorizations for the relevant Projects activities. In addition, ISPRA the National Institute for Environmental Protection, already deeply involved in the Water JPI European Agenda definition, will be involved, once the status of the art will allow it.

Policy Makers: as already mentioned several Associated and Public Institutions have shown interest towards the results of this Project, therefore will be within the second and final phase of the Project and in the after-LIFE session. In fact the Project meets the 7th Environmental Action Programme (EAP) within the:

- Chemicals in products;
- Circular Economy;
- Plants Protection Products regulations;
- CLP.

Therefore the EU ECHA (European Chemical and Health agency), the WSSTP (the European water platform) and other Policy Makers that could arise as a result from the other dissemination activities will be involved according to our Partnership Agreement guidelines, during or after the Project end when subjects will be ready for dissemination and communication, according to the communication objectives.

4. Objectives

Beside the contents reported in Chapter 1 - Project outline session of this document-here below the "Dissemination and Communication oriented" objectives of the LIFE-Trialkyl Project.

4.1 Project objectives

- High environmental sustainability in:
 - a) water management: 100%water consumption saving (640.000l/yr) and 100% waste water saving (320.000l/yr);
 - b) reduction in energy consumption: 20-30% energy reduction (29.6tCO₂eq./yr);
 - c) eco-sustainable typology of intermediates and by-products in the industrial process;
 - d) high purity and high yield production of the Trialkyl compounds versus the actual known technologies.
- Socio-economic aspects:
 - a) generation of a social care chemical industrial product. Phenol free products (avoiding 160.000 t/yr globally of toxic chemicals and at least 786t/yr in Italmatch chemicals); VOCs < 5ppm;
 - b) EU regained leadership in the segment to serve EU and extra EU Enterprises;
 - c) enhancement of the circular economy in the chemical industry: agrochemical usage extension.

4.2 Communication strategy objectives

The main objectives of LIFE-Trialkyl communication strategy are:

- to create awareness of the importance of confidentiality within disruptive innovative projects dealing with strategic projects within the Monitoring team and the EASME community;
- to create awareness of the EU founded development programs importance, especially with regard to highly strategic projects for European leadership;
- to develop cooperation with specifically selected key target groups, each of them requiring a specific tailored approach in communication activities and contents;
- to create awareness about the opportunity and the possibility for an eco-sustainable development of chemistry even within the most challenging sectors.

4.3 Role of the Partner's communication manager/officer

The Dissemination Plan will be provided by SC Sviluppo chimica S.p.A, under the control and with the collaboration of the LP and in collaboration with PP3. The LIFE-Trialkyl Project Manager will monitor the dissemination campaign supported by a dissemination assistant.

The PP3 is responsible for preparation of his own local communication plans, but under the control of PP2 and LP.

5. Messages

5.1 Content of messages

We must distinguish two types of messages and related contents according to the sensitivity of the data to be communicated, especially in the first two phases of the Project.

- Messages that shall provide clear and comprehensive set of information regarding the benefits deriving from the successful completion of the Project in terms of Environmental sustainability and socio economic impact, without entering the details of the Project activity. This kind of message will be useful to reach a wide range of potential stakeholders.
- Messages that shall provide deep information about the technical properties of the developed compounds under NDAs to selective potential market partners in the above mentioned industrial sectors.

Once the protection policy to be adopted by the LP is completed, (it could happen only in the last phase of the Project) changes in the content of messages can be allowed.

5.2 Desired messages attributes

Besides the usual good practice based approach (Distinctive, Clear, Concise, Consistent, Interesting, Relevant, Discrete) the main attribute has to be: Customization, Tailor made style, according to each specific target audience.

5.3 Key messages examples and slogans

- "Life-Trialkyl Project aims at fostering the innovative technologies to develop eco-sustainable chemicals";
- "Life-Trialkyl aims at enhancing the role of Europe as leading in the global Innovative Chemistry";
- "Life-Trialkyl aims at developing social care high tech products".

6. Dissemination tools

Dissemination will be supported by a range of tools and activities, through offline and online channels and in cooperation with the Project Partners. From the beginning it is important to give the LIFE-Trialkyl Project "presence" through a visual identity and credibility. By creating a LIFE-Trialkyl identity, the Project will be more visible and noticeable.

Any dissemination activities and publications will acknowledge the European LIFE Programme. The use of the text "With the contribution of the LIFE Programme of the European Union under

grant agreement LIFE14/ENV/IT/000346” and the LIFE emblem emphasize the contribution of the European funds and creates better visibility and credibility.

6.1 Logo and corporate image

A Project logo and general corporate image of the Project will appear in all Project communication materials. Furthermore it is stated that the Project name will always be written: LIFE-Trialkyl.

There are 2 different versions of the logo, to be used depending on the situation. These two versions are the result of a complete studio that gave origin to various possibilities, some of them to be cancelled in order to protect the strategic content of the Project related to the exact name of the molecule to be synthesized via the new process. Here below the previous versions and the draft of the final one.

1st version:



2nd version:



3rd version:



4th version:



5th version:



Draft of the final version:



6.1.1 Logo Options

Normal logo:



Black and White logo: it will be used in exceptional cases (for instance on a fax cover or for newspaper ads).



6.1.2 LIFE Programme logo

All information and publicity measures shall include the LIFE Programme logo in the form made available explicitly as download for project promoters on the website <http://ec.europa.eu/environment/life/toolkit/comtools/resources/logos.htm>.

The Programme logo needs to be placed on the first page (or equally prominent place such as the front of event display, power point presentation or a conference bag). The size of the Programme logo should not be smaller than the size of other logos displayed on the same page or surface (e.g. Project logo, logo of the Project Partner Institution) and the text "With the contribution of the LIFE financial instrument of the European Community under grant agreement LIFE14ENV/IT/000346 should be clearly readable.

The exact location of the LIFE logo is left to good judgment.

The LIFE-Trialkyl mentioning has to be reported on all the developed tangible assets generated by the funded project LIFE/ENV/IT/000346.

6.1.3 Power point presentation

The corporate identity will also be implemented in a corporate power point template for all the presentations to be used by the Partners. The template will include information on the Project, its main objectives and expected results.

6.1.4 Project Signature

The corporate identity will also be implemented in a project signature. It could be used by the Partners under their company standard signature. The use of this banner is not compulsory but it could be decided by each Partner, following company communication policy.

The main aim of the signature is to promote the project and in particularly the website.

Following the three signature proposed.



6.2 Project Website

The project website is available at <http://www.life-trialkyl.eu> and it will be used as one of the key instruments for communicating the Project. It will be implemented at the beginning of the Project and permanently updated with relevant public allowed results or project activities. To overcome the confidentiality issue, a Reserved Area limited to the Partners of the Project is created within the website where all the Project activity can be released in respect of the sensitivity of the data.

The website is structured into the following pages: Home, About, Results, LIFE, Events, Download, Contacts, Links, Reserved Area, Privacy Policy. The website is in English and it has been translated in Italian and Swedish.

A link to LIFE-Trialkyl will be added on Project Partners website, in which a page dedicated to the Project will be available.

Hyperlinks to LIFE Programme and other related websites will be included in the website.

Google Analytics is used to continually measure the performance and activity of visitors so impact can be easily assessed.

6.3 Project brochures and flyers

The Project brochure outlines the environmental advantages of the LIFE-Trialkyl solutions. Used as a first hand-out to inform about the Project, the brochure will be something tangible to leave with prospects, to distribute at events or send out to various parties. Brochures and flyers will be distributed at events, workshops, conferences and sent to National Authorities, to Private Companies and European Associations in the chemical sector.

6.4 Notice boards and posters

Notice boards and posters will be designed according to the style that will be defined for the LIFE-Trialkyl Project. They can be utilized for press conferences, seminars, workshops and other similar events.

The notice boards with the name of the Project will be produced and installed at participating beneficiaries sites to improve the visibility of the Project. The boards will be updated to include the Project updates.

A poster in English will be prepared for the final conference to showcase the activities and the results of the Project.

6.5 Press release and articles

Press release and editorial articles will be published targeting various media to inform the achievements of the Project. Partners existing media contacts will be widely used. The press releases and articles will be prepared and selected following the Partnership Agreement rules and the final authorization by the LP and the other Partners is needed before any publication.

6.6 Roadmap document

This document will be based on the result presented during the mid-term workshop. The main aim of the Roadmap document is to show to industrial stakeholders the approaches and methods and/or solutions provided by LIFE-Trialkyl.

6.7 Layman's Report

This document will be the final Project report. It will describe the results of the Project, their utility, the Project objectives and activities, and the beneficiaries in about 10 pages, including images and synthetic interviews to the key people involved in the Project plus a special focus on the environmental and health point of view.

The Layman's Report will be produced in 3 languages (English, Italian, Swedish) at the end of the Project, in paper and electronic version. The latter version will be published in the Project website.

This document will be addressed to non – specialist audiences.

6.8 Social media presence

LIFE-Trialkyl social media accounts (Twitter, LinkedIn and Facebook) will be set up in order to enable a two way communication with the active web community. Successful distribution of

messages and absorption by the community will be shown by the number of citations and retweets of messages. Also the hashtag #LIFEprogramme will be used on twitter to emphasize the international collaboration. At the end of the Project, the consortium could create a Wikipedia page.

7. Dissemination Activities

During the Project, the state of the art and the results obtained will be spread in different moments, with a time focus on the last months of the Project.

7.1 Events

Through a variety of events, the Partners are able to transmit information directly according to the guidelines listed in the Partnership Agreement. At the start of the Project a kick-off meeting was organized to coordinate the Project activities. Italmatch Chemicals attended as well the International Kick off meeting held in Brussels on the 27th October 2015, according to EASME instructions, and the contents presented during this event have been published and shared in the Project website reserved Area, once made available.

The final conference will be organized in Arese (Milan, Italy). During this conference the Consortium of Partners in the LIFE-Trialkyl Project will show the tests' results to the selected end users and direct industrial players. Between the selected end users there could be some stakeholders interested in applying the Project results in their already existing applications or in innovative new projects: the use of Projects results could give a technical and economic added value to their applications. The choice of these ideas will be done on a not discriminatory basis with the aim to cover as many sectors as possible within the target industry. Only the best ideas, with the widest impact and replication potential will be invited to the final conference.

LP will also present the results of the roadmap study. Policy Makers and Public Authorities will be invited to attend the final conference. Also, representative from past or on-going EU projects (e.g. RESALTTECH, VOCFREE, FP7-ChemWater, FP7-E4Water) will be invited in order to maximize synergies with existing projects related to project issues. The Project will be among these examples for presentation of the final evaluation of the demonstration. Within the conference, a specific session will be dedicated to showcase the results of the environmental impact analysis and full LCA analysis, in order to create a debate aiming at increasing awareness around the main environmental aspects related to the Project and its positive impacts. For this reason ECHA officers will be invited as well to take part in this final conference

The LIFE-Trialkyl Consortium will also seek a presence at major events related to Chemistry and Sustainable Chemistry.

7.2 Workshops

During the Project a mid – term and a final demonstrative workshop will be organized.

During the 1 day mid-term workshop in Arese (Milan, Italy) the Consortium will explain the implications of the implementing measures in the water, energy efficiency, VOCs emissions and toxic chemicals. Policy Makers and Public Authorities, strictly selected according to the communication strategy will also be invited. The mid-term workshop will also present the preliminary evaluation of LIFE-Trialkyl demonstration.

During the final demonstrative workshop, a showcase of the TPMi production technology will be provided and visitors will have access to data reflecting the environmental performance of the LIFE-Trialkyl technology.

In addition, a round table with Ministry of the Environment and Protection of the Territory and the Sea will be organized.

7.3 Links with other projects and results

LIFE-Trialkyl will actively seek links and interaction with other European initiatives and network as:

- WSSTP Water Platform;
- Phosphorus Platform;
- ECHA;
- SusChem Italy;
- Agriculture network.

8. Indicators and Planning

Following the list of quantitative indicators form measuring dissemination results:

| Measure | Number (min.) | Indicator | Target size |
|----------------------------------------------------------------|--------------------|--------------------------------------------|---------------|
| Project Website | 1 | No. of visits | 80,000 |
| Press release and articles | 4 | No. of visits | 40,000 |
| Scientific and technical papers referring to proposed solution | 3 | No. of requests for additional information | 200 |
| Brochures | 1 | No. of copies | 2,000 |
| Flyers | 1 | No. of copies | 1,000 |
| Notice boards | 6 | No. | 3 (2 per PPs) |
| Newsletter | 6 (2 times a year) | No. of receivers | > 1,400 |
| Events | 2 | No. of stakeholders invited | 12-20 |

The following table shows the different project phases and dissemination objectives and activities:

| Period | Project phase | Dissemination objectives | Period |
|------------------|--------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| M1 – M5 | Project initiation | Achieve visibility, creating awareness | Dissemination plan (M2), logo creation, launch of website (M5), establish social media presence |
| M5 - M12 | Impact Evaluation | Active networking with the European institution ECHA | EU policy implications document creation (M12) |
| M12 – M34 | Future Prospects | Selection of stakeholders and evaluation of potential synergies | Notice boards (M 24), posters(M24), strict event (M30) |
| M34 – M36 | Wrap up | Preparing for continuation | Final conference |

After the first phase closure at the end of January 2016, with the successful conclusion of the Pilot plant layout and design set up, all the specification parameters will be clear and defined. Therefore a preliminary check of the expected emissions, yield, purity grade will be available to approach ECHA in a consistent way.

- Planned action 1: meeting with ECHA (within May 2016) and EU Policy implications document creation within August 2016.
After the first production samples, within phase III of the Project, stakeholders will be involved via dedicated bilateral meeting under confidentiality agreements to evaluate their interest in the product and/or in the derived preparations. Strategic end users will be involved as well to properly apply a Push&Pull marketing action. This interim event will group attendants per segment and per theme .
- Planned action 2: dedicated restricted meetings within end of month 34.
Once defined the type of synergy with the selected stakeholders the final conference will be organized including the stakeholders in the audience or not according to the type of agreement achieved. This event will be opened to the scientific society as well and to the other EU interfaced projects, in case of any.
- Planned Action 3: final conference within end of month 36 + 3 months buffer.

Beside these actions, attendance to international conferences organized by institutional partners and/or universities will be selected with the support of SC Sviluppo chimica to widen the knowledge about the Project and the impact on the European environmental policy

The successful conclusion of the activities A (A1 and A2) and B (B1 and B2) is the necessary condition to start this collateral dissemination action.

- Planned Action 4: interim events after March 2017 (from Month 20 on).

Regarding the agricultural implementation, in the section Annex it is attached the letter of intent already received by Gijs Kuneman, Director CLM - Centre for Agriculture and Environment (Annex 1)

9. After LIFE Communication Plan

In 2019 the LIFE-Trialkyl Project will come to its closure but it doesn't mean that all communication efforts will stop.

- The Project closure event (final conference) will be the occasion to assemble stakeholders. The Project results will be presented and discussed with all stakeholders.
- The LIFE-Trialkyl website (and Partners' platforms) will continue for the next five years.

10. Conclusions and Contacts

This deliverable (D.1) presents the dissemination strategy of the LIFE-Trialkyl Project. As always, the strategy is a flexible and living plan which can easily be adapted to circumstances. To date [December 2015] the dissemination activities have been focused on developing a Project identity and preparing the platform through which the Consortium will disseminate Project outputs.

Dissemination activities will increase as LIFE-Trialkyl' aims and objectives will be realised. Publications of the Project results, their dissemination through the LIFE-Trialkyl website and other relevant media along with presentations and visits to event will help to reach a wide audience and to spread the Project results.

For more information:

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11. Annexes

Annex 1 - Letter of intent already received by CLM - Centre for Agriculture and Environment



To Dr. Maria Cristina Pasi
Italmatchgroup SpA
Italy

Letter of intent
Culemborg, October 5th, 2014

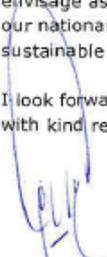
Dear Dr. Monti,

With this letter I would like to confirm our intention to cooperate with you in the framework of the project LIFE-TRIALKYL.

CLM is an SME committed to stimulating sustainable agriculture in Europe. We do that by carrying out research and providing advice to governments, companies and farmers' and environmental organizations. Clients range from the European Commission and ministries, via companies like Ahold, Heineken en McCain, to Friends of the Earth and WWF. We have a network covering the international food and input industry, some research institutions and NGOs, and a good reach to farmers in the Netherlands.

Putting a side-product from new (sustainable) chemical processes to good use in agriculture is in line with our mission. Therefore, we hereby express our interest in cooperating in this project. I envisage as CLM's role to share the results once the project is successfully completed, employing our national and international networks. We may also be able to use the LCA data in tools for sustainable agriculture.

I look forward to cooperation,
with kind regards,



Gijs Kunieman MSc
Director CLM (Centre for Agriculture and Environment)

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**Werken aan duurzame
landbouw en een
aantrekkelijk platteland**

Annex 2 - List Of Policy Makers, Stakeholders And Events

| POLICY MAKERS LOCAL | | POLICY MAKERS INTERNATIONAL | | STAKEHOLDERS | | EVENTS | |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| DENOMINATION | ACTIVITIES | DENOMINATION | ACTIVITIES | DENOMINATION | ACTIVITIES | DENOMINATION | ACTIVITIES |
| ARESE MUNICIPALITY | Project presentation to the mayor and to the environment deputy of mayor; project presentation to the local high school's students Contact: enrico.ioli@com.une.aresse.mi.it | SUSCHEM –CEFIC: Henk Pool – Innovation Manager | Evaluation of the environmental impact within the EU policy | AGROCHEMICALS: -Monsanto -Bayer Crop Science -Dow agrochemicals - Syngenta -Arista Life Science | Invitation to the exhibitions booth to discuss about the project; editorials and brochures with invitation for a deeper 1to1 discussion by appointment | WIE Congress-Water Innovation Europe Congress 21-24 June 2016 | Exploitation of the Water European Platform to disseminate the Project content |
| REGIONE LOMBARDIA – SETTORE AGRICOLTURA | Project presentation and definition of activities Contact: Donatella Parma-Direzione Generale Agricoltura | EUROPEAN SUSTAINABLE PHOSPHORUS PLATFORM | Project presentation by Italmatch chemicals, member of the Association, and synergic actions with other relevant projects within the Platform | PVC Forum Italia-National Association of PVC players | Dissemination activity through conferences and workshops | K Plastics & Rubber Exhibition – 19-26 October-Dusseldorf | Presentation of the Poster, Brochure and 1to 1 invitations of stakeholders |
| ISPRA - | Project presentation Contact: Giuseppina Pacenti; Carlo Percopo | ECHA | Project presentation aimed at underline the positive impact on the specific new environmental EU guidelines and directives. Contact: to be found | PLASTICS INDUSTRY: -CRYOVAC -BASF | Invitation to the exhibitions booth to discuss about the project; invitation for a deeper 1to1 discussion by appointment | Phosphorus platform 2017 | Speech and Project presentation at the 3 Rd European Sustainable Phosphorus Conference (ESPC3) in 2017 |
| SUSCHEM ITALY – | Project presentation during the 1st december 2016 annual conference – short speech Contact : SC Sviluppo Chimica & Federchimica | CLM – Centre for Agriculture and environment | Project presentation and dissemination within the agro community. Contact: Gijs Kuneman | PVC PRODUCERS AND TRASFORMERS (see below list) | 1 to 1 invitations after dissemination of the Brochure | Suschem Italy-December 2016 | Short speech |
| FEDERAZIONE GOMMA PLASTICA www.federazione gommoplastica.it | Dissemination of the project's results | WSSTP- European Water Platform | Project presentation within the section of the chemical SMART technologies embracing the SIRA 2030 document of the Water management community. Contacts: Anna Mazzetto: Members&Events officer WSSTPanna.mazzetto@wsstp.eu Maria Mirachtsi: Communication manager WSSTP Maria.Mirachtsi@wsstp.eu : | | | | |

List of PVC producers potentially interested in the project's results

COMPOUNDING

| COMPANY | DENOMINATION | ADDRESS | CONTACT | WEB |
|-------------------------------------------------------------------------------------|----------------------|----------------------------------------------|-----------------|----------------------------------------------------|
|  | FA.IN. Plast Srl | Zi Campolungo II Fase 63100 Ascoli Piceno | +39 0736 403605 | fainplast.com |
|  | Finproject SpA | Zi Campolungo 63100 Ascoli Piceno | +39 0736 813913 | finproject.com |
|  | Benvic Europe Spa | Via G. Marconi, 73 44100 Ferrara | +39 0532 789411 | benvic.com |
|  | Sovere Spa | via della Metallurgia 24 37139 Verona | +39 045 8187511 | sovere.it |

| COMPANY | DENOMINATION | ADDRESS | CONTACT | WEB |
|------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------|------------------|------------------------------------------------------|
|  | Stir Compounds Srl | Via Trani, 177 76121 Barletta BT | +39 0883 3418111 | stir.it |
|  | TPV Compound Srl | via L.Da Vinci, 5 44011 Argenta FE | +39 0532 315600 | tpvcompound.com |
|  | Vinilchimica Srl | Via Sonna, 6 24030 Caprino Bergamasco BG | +39 035 781123 | vinilchimica.it |
|  | VI.PA. Srl | via della Bonifica Km 13.400 64010 Ancarano TE | +39 0861 870079 | vipa.it |

FILM POLIMERICI E CALANDRATURE

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|-------------------------|----------------------------------------------------------------|-------------------------------------------------|---------------|
| INOVYN Italia Spa | www.inovyn.com | Via G. Marconi, 73 - 44122 Ferrara | 0532/789411 |
| Vinnolit Italia Srl | www.vinnolit.com | Via Trento, 7/A - 22077 Lomazzo CO | 02/96773104 |
| VYNOVA International NV | www.vynova-group.com | Heilig Hartlaan 21 - 3980 Tessenderlo Belgio | +3213612300 |
| ECVM | www.pvc.org | Av. E. van Nieuwenhuyse, 4/4 - B-1160 Bruxelles | +32/2/6767441 |

SPECIALTY CHEMICALS AND ADDITIVES

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|----------------------|----------------------------------------------------------------------------|---------------------------------------------------|------------|
| Altair Chimica Spa | www.altairchimica.com | via Moie Vecchie 13 - 56048 Saline di Volterra PI | 058/898176 |
| Barlocher Italia Spa | www.baerlocher.com | Via San Colombano 62/A - 26900 Lodi LO | 0371/4511 |
| BASF Italia Spa | www.basf.com | Via Marconato 8 - 20811 Cesano Maderno MB | |
| Pietro Carini Spa | www.carini.it | Via Santa Marta 23 - 20123 Milano | 02/725601 |
| Esso Italiana Spa | www.exxonmobilchemical.com | Via Lepetit 8/10 - 20124 Milano | 02/8803280 |

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|-----------------------|----------------------------------------------------------|-------------------------------------------------------|-------------|
| Europiren | www.europiren.com | Via Amendola 16 - 20900 Monza | 039/2023934 |
| Faci Spa | www.faci.it | Via Privata Devoto, 36 - 16042 Carasco GE | 0185/36141 |
| Lamberti Spa | www.lamberti.com | Via Marsala 38 D - 21013 Gallarate VA | 0331/715784 |
| Nuova Sima Srl | www.nuovasima.it | Fraz. Valtreara 83 - 60040 Genga AN | 0732/90162 |
| Omya Spa | www.omya.com | Via Cechov, 48 - 20151 Milano | 02/380831 |
| Quimialmel Italia spa | www.quimialmel.it | Via Ghiarola Vecchia, 101 - 41042 Fiorano Modenese MO | 0536/910393 |
| Reagens Spa | www.reagens.it | Via Codronchi,4 - 40016 S. Giorgio di Piano BO | 051/6639111 |
| Titanstuc spa | www.titanstuc.com | Strada Campo del Fiume, 96 - 47896 Faetano RSM | 0549/996355 |

COMPOUNDERS

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|----------------------|--------------------------------------------------------------|---------------------------------------------|-------------|
| Eurocompound Spa | www.eurocompound.it | Via Berettinazza 29 - 43100 Fontevivo PR | 0521/611125 |
| FA.IN. Plast Spa | www.fainplast.com | ZI Campolungo II Fase - 63100 Ascoli Piceno | 0736/403605 |

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|----------------------------|------------------------------------------------------------------------|-----------------------------------------------|--------------|
| Finproject | www.finproject.com | ZI Campolungo - 63100 Ascoli Piceno | 0736/813913 |
| I.C.P. SPA | www.icpspa.com | Via Bonazzi, 36 - 40013 Castel Maggiore BO | 0545/40182 |
| Industrie Generali Spa | www.industriegenerali.it | Via delle Orchidee, 12 - 20020 Vanzaghello MI | 0331/226220 |
| Inverplast srl | www.inverplast.it | Via Trecella 7 - 20060 Albignano d'Adda MI | 02/9583222 |
| Nuova Zama srl | www.nuovazama.it | Via Lipparini 1 - 40128 Bologna | 051/327546 |
| Resilia Srl | www.kemone.com | Via Milano, 201 - 21017 Samarate VA | 0331/226111 |
| Benvic Europe - Italia Spa | www.benvic.com | Via G. Marconi, 73 - 44100 Ferrara | 0532/789411 |
| SIDEF SpA | www.sidef.com | ZI Basso Marino - 63100 Ascoli Piceno | 0736/402080 |
| Sovere Spa | www.sovere.it | Via della Metallurgia 24 - 37139 Verona | 045/8187508 |
| STIR Compounds Srl | www.stir.it | Via Trani 177 - 70051 Barletta BA | 0883/3418111 |
| TPV Compound Srl | www.tpvcompound.com | Via L. Da Vinci, 5 - 44011 Argenta FE | 0532/315600 |
| Vinilchimica srl | www.vinilchimica.it | Via Sonna 6 - 24030 Caprino Bergamasco BG | 035/781123 |

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|----------------------|----------------------------------------------|-------------------------------------------------------|-------------|
| VI.PA. srl | www.vipa.it | Via della Bonifica, Km. 13,400 - 64010 Ancarano TE | 0861/870079 |

PLASTIC AND VYNIL FLOORING COATING

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|------------------------------|----------------------------------------------------------------|-------------------------------------------------|---------------|
| Alfatherm Spa | www.alfatherm.it | Via Marconi 25 - 21040 Venegono Superiore VA | 0331/854311 |
| Colombo Srl | www.colombo-spa.com | Via Grigna 32 - 20027 Rescaldina MI | 0331/576188 |
| Habasit Italiana Spa | www.habasit.it | Via Mazzetta Z.I.- 13856 Vigliano Biellese - BI | 015/8122006-8 |
| Resinflex Spa | www.resinflex.com | Via Reiss Romoli, 256 - 10148 Torino | 011/2280711 |
| Renolit Italia srl | www.renolit.com | Via Uruguay 85 - 35127 Padova | 049/0994700 |
| Vulcaflex Packaging srl | www.vulcaflex.com | Via Boncompagni, 3/A - 20139 Milano | 02/52531300 |
| Gruppo Fabbri Vignola S.p.A. | www.gruppofabbri.com | Via per Sassuolo, 1863 - 41058 Vignola MO | 059/772172 |
| Gerflor Spa | www.gerflor.com | V. dei Tulipani, 1 - 20090 Pieve Emanuele MI | 02/90786012 |
| Sogega Srl | www.sogega.com | Via Cascinetta, 11 - 28013 Gattico NO | 0322/838288 |

FRAMES, JOINERS AND WIRES

| COMPANY DENOMINATION | WEB | ADDRESS | CONTACT |
|---------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------|--------------|
| Alphacan Spa | www.alphacan.it | Via Santa Caterina 60/C - 38062 Arco TN | 0464/587500 |
| Aluplast Italia Srl | www.aluplast.it | Via Trasvolatori Atlantici, 34H - 44124 Ferrara FE | 0532/901111 |
| Ardesi Serramenti Snc | www.ardesiserramenti.it | Via Garibaldi, 24 - 25060 Marcheno BS | 030/861359 |
| Bianconi Serramenti Srl | www.abser.it | Via Madonna delle Grazie, 184 - 28822 Cannobio VB | 0323/71467 |
| Bipielle Srl | www.bipiellebiella.it | Via Q. sella, 52 - 13852 Cerreto Castello BI | 015/882376 |
| Centro Finestre e Porte di Bassan & C | www.centrofinestreeporte.it | Via F. Foscari 3M - 36015 Thiene VI | 0445/386220 |
| Cooperativa Serramenti Coserplast | www.coserplast.it | Zona P.I.P. s. n. - 75010 Miglionico MT | 0835/559955 |
| Deceunink Italia Srl | www.deceuninck.it | Piazza della Concordia 6 - 56025 Pontedera PI | 0587/59920 |
| De Faveri Srl | www.defaveri.it | Via Casale 15/E - 31020 REFRONTOLO TV | 0438/840206 |
| Diquigiovanni Srl | www.diquigiovanni.it | Via Palazzetto, 1/a - 36070 Castelgomberto VI | 0445/941400 |
| Edilpiù srl | www.edilpiusrl.it | Via Piratello 58/2 - 48022 Lugo RA | 0545/27222 |
| Erco Srl | www.ercofinestre.it | Via Adda, 12 - 22070 Casnate con Bernate CO | 031/45.21.43 |

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|------------------------------------|------------------------------------------------------------------------|-------------------------------------------------|-------------|
| Euromix Srl | www.euromixsrl.it | Viale Lombardia, 22 - 20010 Parabiago MI | 0331/495107 |
| Euroserramenti Srl | www.euroserramenti.eu | Strada Campo del Fiume, 98 - 47896 Faetano RSM | 0549/996548 |
| FAIM di Citton Gianni & C. sas | www.faimserramenti.com | Via Chiesa 27 – 31030 Borso del Grappa TV | 0423/561161 |
| Finazzi Srl | www.finazziserramenti.it | Via Garibaldi, 52 - 21022 Azzate VA | 0332/945140 |
| Finstral Spa | www.finstral.com | Via Gasters, 1 - 39050 Auna di Sotto BZ | 0471/296611 |
| Fracchia Snc | www.fracchia1956.it | Corso Giulio Cesare 338/50A - 10154 Torino | 011/200890 |
| G. C. INFISSI PVC srl | www.gcinfissi.com | Strada Pollino 4 – 10011 Agliè TO | 0124/442667 |
| Gealan Fenster Systeme GmbH | www.gealan.de | Via Maso della Pieve 2D - 39100 Bolzano | 0471/051737 |
| I.C.S.A. srl | www.icsafinestre.it | Via Crispi, 66-64-62 r. - 17100 Savona | 019/812345 |
| Magaplast Sas | www.magaplast.com | Via Barozzo, s.n. - 22075 Lurate Caccivio CO | 031/390609 |
| Nurith Spa | www.nurith.it | Contrada Santa Maria D'Attoli – 74013 Ginosa TA | 099/8217111 |
| Profine Italia Srl | www.profineitalia.it | Via Nazionale, 601 - 45033 Bosaro RO | 0425/466811 |
| Rehau Spa | www.rehau.com | Via XXV Aprile, 54 - 20040 Cambiago MI | 02/959411 |
| Salamander Industrie Produkte GmbH | www.sip.de | Viale Cavour, 51 - 44100 Ferrara | 0532/247554 |

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|------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------|-------------|
| Schüco PWS Italia Srl | www.schueco.com | Località Amazona Z. I. 03018 Paliano FR | 06/94443250 |
| Serramenti Palotti srl | www.palotti.it | Via Nazionale 2/A - San Giacomo - 23036 Teglio SO | 0342/786073 |
| S. F. & A. srl | www.serramentisimonetto.it | Via Inveruno 103 – 20020 Busto Garolfo MI | 0331/569000 |
| Sol System Srl | www.solssystem.it | Via Zona Industriale 32/M - 45010 Villadose RO | 0425/405033 |
| Tutto Porte Sas | www.tuttoporte.com | Via Venaria 19 - 10040 Druento TO | 011/7495699 |
| Veka AG | www.veka.com | | |
| Villa dei Fiori di Rey Paolo | www.villadeifioriserramenti.it | Frazione La Remise, 27 - 11010 Sarre AO | 0165/258620 |
| Faraplan Srl | www.faraplan.it | Via Astico, 40 - Fara Vicentino VI | 0445/899500 |
| FIP Spa | www.fipnet.it | Pian di parata - 16015 Casella GE | 010/96.211 |
| LA.RE.TER Spa | www.lareter.it | Via Occhiobello 732 - 45024 Fiesso Umbertiano RO | 0425/745511 |
| Martoni Spa | www.martoni.it | Via Carnia, 2 - 33078 San Vito al Tagliamento PN | 0434/859911 |
| Picenum Plast Spa | www.picenumplast.com | Via E. Fermi 5/10 - 63832 Magliano di Tenna FM | 0734/639711 |
| Redi Spa | www.redi.it | Via Madonna dei Prati, 5/A - 40069 Zola Predosa BO | 051/6175111 |
| Resin Plast Ravenna Spa | www.resinplast.it | Via Faentina 186 - 48124 Ravenna | 0544/460258 |

Stabilplastic Spa

www.stabilplastic.it

Statale 341 n. 24 - 21015 Lonate
Pozzolo VA

0331/301733