D9.6 – First report on MOLOKO dissemination and communication activities

Project Information

Grant Agreement Number	780839
Project Full Title	Multiplex phOtonic sensor for pLasmonic-based Online detection of contaminants in milK
Project Acronym	MOLOKO
Funding scheme	IA
Start date of the project	January 1 st , 2018
Duration	42 months
Project Coordinator	Stefano TOFFANIN (CNR)
Project Website	http://www.moloko-project.eu

Deliverable Information

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Deliverable title	First report on MOLOKO dissemination and communication activities		
WP no. WP9			
WP Leader	QCL		
Contributing Partners	BEWARRANT (BeWG)		
Nature	Report		
Authors	Stefania Melandri (BeWG), Lisa Bregoli (BeWG)		
Contributors	Mark Whatton (QCL)		
Reviewers	Stefano Toffanin (CNR)		
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Delivery date to EC	17-07-2019		

Dissemination Level

PU	Public	Х
РР	Restricted to other programme participants (incl. Commission Services)	
RE	Restricted to a group specified by the consortium (incl. Commission Services)	
СО	Confidential, only for the members of the consortium (incl. Commission Services)	



07/2019





Document Log

Version	Date	Author	Description of Change
1.0	10/07/2019	Stefania Melandri	First draft
2.0	11/07/2019	Mark Whatton	WP Leader revision
3.0	15/07/2019	Stefano Toffanin	General overview and revision of the document for submission







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1 Executive Summary

Deliverable 9.6 is the first report about dissemination and communication activities carried out in the first 18 months of the MOLOKO project. Within this period, MOLOKO project submitted to the EC, on May 9th 2018, the initial Plan for Exploitation and Dissemination of Results (PEDR) in the deliverable "D9.1 PEDR", based on the draft described in the DoA.

The initial PEDR is divided into two sections, where section A is focused to the description of the dissemination plan (including an outline of the dissemination strategy and the Project Communication Plan), while section B described the initial exploitation plan (including also a chapter on IPR management).

In relation to the submitted version of the PEDR, we present below the updates about dissemination and communication activities up to Month 18.





2 MOLOKO website

MOLOKO website has been set up and descried in Deliverable 9.3. It can be considered as one of the most relevant dissemination tools to be used by the project consortium in order to reach a wide public and communicate project progress and results.

The website includes also a direct link to the MOLOKO Collaborative Platform, a private area to which only project partners have access.

The project website has been updated as required by the Project Officer during the 1st technical review made at M10. Partners' profile with related roles' in the project and pictures have been added in the dedicated section, and for each of them the main investigator has been indicated.

In addition, young students like researchers and PhDs working on the project have been added in their related organization page.

Three new sections have been added to the website during the first 18 months of the project:

- VIDEO: the project presentation video in English and Italian was published followed by interviews made by project partners at the M15 Internal Meeting where they explain their role in the project;
- FORESEEN IMPACTS: in this section details are given concerning the 5 points of the milk supply chain where MOLOKO sensor is expected to operate and how MOLOKO technology intend to solve the identified related problems;
- PUBLICATIONS: in this section project publications and press releases are constantly updated and listed.

MOLOKO presence on social media has been highlighted in the Homepage by adding the Facebook and Twitter feeds.

The website can be found in the following URL: <u>http://www.moloko-project.eu</u>









Figure 1 Video section









Figure 2 Foreseen Impacts' section









Figure 3 Publications' section



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Figure 4 Facebook and Twitter feeds







3 MOLOKO Social Media

Three social media accounts have been created for MOLOKO: Facebook, Twitter and YouTube.

The website has direct access to these social networks by clicking over the icons situated on the bar at the beginning of the homepage or at the bottom. Therefore, it is easy for every user to participate in social events/updates/discussions when the website is visited.

3.1 Facebook

A Facebook page has been created to reach the general public and share project progress status.



Figure 5 Facebook page







3.2 Twitter

A <u>Twitter account</u> has been created as further and more instant dissemination instrument for reaching the general public. Twitter is the tool used by the Dissemination Manager to provide real-time information on the activities of individual partners in conferences, meetings, and other dissemination activities. Moreover, Twitter is used to share interesting news related to the Photonics and Electronics fields as well as news from official Twitter accounts of the European Commission (i.e. @Photonics21, @DigitalSingleMarket, @Electonicspec, etc..)



Figure 6 Twitter account







3.3 YouTube

A <u>YouTube channel</u> has been created as it gives MOLOKO project a powerful medium to produce and distribute video contents and engage a massive audience. The video that are uploaded to YouTube channel will be shared across MOLOKO other social channels as well and embed into the project website.

Firstly, in the YouTube channel the introductory video was published to highlight MOLOKO general overview. Secondly, some interviews have been recorded and published in the occasion of the M15 Internal Meeting where partners explained their role in the project in a more detailed way.



Figure 7 YouTube channel





4 MOLOKO Communication KIT

Deliverable 9.4 describes in detail the MOLOKO logo, brochure and flyer developed at the beginning of the project and available to all partners for dissemination and communication activities.

4.1 Logo

The logo was designed to help the external audience to easily identify MOLOKO project and contributes to the project visibility by providing a corporate identity from the very beginning of the project. Several versions of the logo were designed by BEWG and they were presented at the kick-off meeting. Each partner had the opportunity to choose the favourite one before the final approval.



Figure 8 MOLOKO logo official version



Figure 9 MOLOKO symbol official version



Figure 10 MOLOKO logo white version



Figure 11 MOLOKO symbol white version







4.2 Brochure

The MOLOKO brochure was designed to capture the attention of the different target groups and increase the awareness of the project. It was improved by Project Coordinator (CNR) and WP9 leader (QCL). The scientific and technological contents reported in the brochure are generated, shared and validated by the entire Consortium, with attention paid to the intellectual property protection.

More than 200 copies have been printed and distributed to conferences, events and fairs (i.e ICT2018 in December 2018 in Wien) by BEWG, MILKLINE, PARMALAT, QCL, CNR and other project partners.

First release:











The MOLOKO brochure has been updated in May 2019 in order to give more technical details to interested stakeholders and companies about MOLOKO technological development and the type of analytes to be detected by MOLOKO sensor. The imprinting of this second brochure is more commercial-oriented and in this view the Exploitation Manager's contact has been indicated.

PARTNERS	FC	OR MORE INFO:		
CORRISMN A CSEM	STEFANO TOFFANIN stoffanin@bo.ismn.cnr.it	Project Coordinator t		MOLOKO
(parmatat) Fraunhofer	ISELLA VICINI Dissemi iseila.vicini@warrantgro	ination Manager up.it		Multiplex phOtonic sensor
MADENINGEN DEDIN OCL MILKLINE	MARK WHATTON Ex mark.whatton@qclscien	pioitation Manager stiffc.com		for pLasmonic-based Online detection
PROJECT DETAILS	www.	.moloko-project.eu	-	of contaminants in milK
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Figure 13 MOLOKO brochure - update May 2019







4.3 Poster

The MOLOKO poster was produced at the beginning of the project in 70x100 cm² format to introduce the project at conferences, meetings and thematic exhibitions. The poster reflects the main MOLOKO design concept to keep the project branding consistent and to make the project easily recognizable.



Figure 14 MOLOKO poster







4.4 Roll-up

The first release of the Roll-up, designed by BEWG, aims to give general details about the project, and it is mainly branding-oriented.

It has been exhibited in events such as the ICT2018 in December 2018 in Wien.



Figure 15 First Roll-up version







The second release of the Roll-up, designed by BEWG, is mainly information-oriented and aims to give details about the application fields of MOLOKO technology. It has been exhibited in events such as EuroTier 2018 in November 2018 in Hannover and IDF/ISO Analytical Week 2019 in June 2019 in Prague.



Figure 16 Second Roll-up version







4.5 Totem

The MOLOKO totem has been realized by BEWG for the EuroTier 2018 in November 2018 in Hannover to which MILKLINE participated. It describes the project concept, its objectives and technology development.

Project title, social media accounts, website, partners' logo and disclaimer are shown in every panel of the totem.



Figure 17 Totem









Figure 18 Totem at EuroTier 2018







5 MOLOKO first presentation video

Deliverable 9.5 describes in detail the MOLOKO first presentation video. The video has been developed by BEWARRANT, with the support of the Project Coordinator Stefano Toffanin (CNR) and project partners to promote the scope and the findings of MOLOKO project. In particular, end-users within the consortium such as PARMALAT and MILKLINE S.R.L. collaborate extensively in the development of the script of the video.

The video lasts 2:52 minutes with the aim to disseminate the objectives of the project to policy makers and to the general public. The video was uploaded on MOLOKO project website at the following link: http://www.moloko-project.eu/video/

The video was displayed to the several exhibitions which MOLOKO partners participated at and where the project had a booth or stand. In particular, at ICT2018 in December 2018 in Wien and at IDF/ISO Analytical Week in June 2019 in Prague.



Figure 19 MOLOKO video frame







6 List of dissemination activities performed

6.1 Scientific publications on peer-reviewed international journals

- Koopman, Muccini, Toffanin "High-Resolution Photoluminescence Electro-Modulation Microscopy by Scanning Lock-In" Article in Zenodo repository <u>https://zenodo.org/record/2650290</u> Green Open Access
- Prosa, Benvenuti, Pasini, Giovanella, Bolognesi, Meazza, Galeotti, Muccini, Toffanin, "Organic Light-Emitting Transistors with Simultaneous Enhancement of Optical Power and External Quantum Efficiency via Conjugated Polar Polymer Interlayers" ACS Appl. Mater. Interfaces 25580, 10, 2018 DOI: <u>https://doi.org/10.1021/acsami.8b06466</u> Golden Open Access
- Koopman, Natali, Bettini, Melucci, Muccini, Toffanin, "Contact Resistance in Ambipolar Organic Fieldeffect Transistors measured by Confocal Photoluminescence Electro-Modulation Microscopy" ACS Appl. Mater. Interfaces, <u>https://doi.org/10.1021/acsami.8b05518</u> Golden Open Access





6.2 Press releases

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6.2.1 First Press Release "Europe invests funds on MOLOKO, the H2020 project on online detection of contaminant in milk"
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http://www.moloko-project.eu/wp-content/uploads/2018/07/MOLOKO-official-press-release.pdf









Europe invests funds on MOLOKO, the H2020 project on online detection of contaminant in milk

MOLOKO (Multiplex photonix sensor for pLasonic-based Online detection of contaminants in milk) is an ambitious project - started in January 2018 and spanning a three years and a half period - funded by the European Union under the Horizon 2020 Programme with about 5,5 million Euro. The National Research Council of Italy (CNR) coordinates the project consortium composed by 12 partners from 8 different countries. The consortium includes European R&D centres (CSEM, RIKILT, Fraunhofer and VTT), SME's (Plasmore and QCL), large multinational industries involved in milk production and processing (Mikilne and Parmalat), European food safety regulatory bodies (ISS and NEBIH) and consulting services (beWarrant).

The main objective of the project is the **manufacturing**, **implementation** and **validation** of a selfmanaging and automatic miniaturized integrated photonic sensor to be used as process analytical instrumentation for fastresponse on-site monitoring of interest analytes for security and quality within **milk supply chain**. In particular, the project aims at realizing multiplexing quantitative detection of up to 10 analytes among which food safety parameters, e.g. antibiotics (i.e. penicillin, ampicillin, cephalonium) and toxins (i.e. mycotoxins and bacterial toxins) and food quality parameters e.g. lactoferrin and caseins by implementing a highly-integrated optoplasmonic-microfluidic sensor in the strategic checkpoints along the entire supply and value chain of milk.

The MOLOKO miniaturized integrated photonic sensor is specifically designed according to **milk primary** production, processing and distribution end-users in order to enable and guarantee self-monitoring safety and quality standards by the use of a reliable, highly sensitive and specific, low-cost innovative self-screening photonic technology. The effectiveness and market-placement of the engineered functional prototype is quantitatively evaluated by direct comparison with respect to standard analytical methods and commercially available optical blocensors.

This project is funded by one of the ICT Programme Calls under the Photonics Public Private Partnership (PPP).

FOR FURTHER INFORMATION:

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Isella Vicini DISSEMINATION MANAGER beWarrant (Belgium) E-MAIL: isella.vicini@warrantgroup.it

PROJECT WEBSITE: http://www.moloko-project.eu

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 700839



P-OTONCS2





6.2.2 QCL website press release "QCL joins the Horizon 2020 MOLOKO project for quality control of milk supply chain"

http://www.qclscientific.com/pdfs/Misc/QCL%20Press%20Release%20Moloko%2018 02 09.pdf







6.2.3 Science business: Photonics to help dairy industry with new 5-minute scan https://sciencebusiness.net/network-news/photonics-help-dairy-industry-new-5-minute-scan



6.2.4 Milkline, Italian Newspaper "La Libertà". Article Title: "Progetto Moloko, Ecco Un Sensore Per Garantire La Sanita' Del Latte"

Progetto Moloko, ecco un sensore per garantire la sanità del latte

Economicità e velocità tra i pregi del dispositivo

Tra le peculiarità anche la possibilità di rilevare molte informazioni in modo semplice

Il sensore ottico - che sarà mes so a punto integrando diverse tecnologie avanzate - permette-rà di rilevare molte informazio-ni in modo semplice, veloce ed economico con notevoli vantag-gi rispetto ai test di laboratorio. Il gl rispento ai test contra di effet-dispositivo consentirà di effet-tuare le misurazioni direttamen-te sul campo e in tutti i punti del-la filiera, senza dover inviare i campioni nei laboratori attrezza-ti

Mediante il sensore sarà possibi le ottenere informazioni in tutti i punti di controllo strategici del-la catena di produzione e distri-buzione del latte, rilevando la presenza fino a 10 sostanze con temporaneamente tra cui anti-biotici e micotossine, indicator di sicurezza alimentare, parame-tri legati alla qualità del latte come la k-caseina e alla salute dell'animale come la lattoferri-

otevoli vantaggi anche per i tempi di misurazione e analisi, che saranno significativamente ridotti (tipicamente 5 minuti), di versamente da quanto accade nel laboratori di analisi. Questo, grazie alla capacità della tecno-logia di effettuare contempora-neamente misure multiple e se-minunti tato di casto della utitative di sostanze diffe míqua renti. Mol.

Tra i protagonisti anche un'azienda piacentina all'avanguardia nel settore lattiero-caseario, la Milkline di Podenzano

Claudia Molinari

Che la tecnologia sia entrata nel-Che alternologia satenizan iter-ia filiera lattero - casearia lo sape-vamoda tempo. Così come sapeva-mo che a Piacenza ci sono aziende veramente all'avanguardia. Un'ul-teriore dimostrazione, che certa-mente non guasta arriva dal proga-di i sienze Melche. de fe sente to di ricerca Moloko - che fa parte to di ficerca Motoko - che la parte del programma Horizon 2020 dell'Unione europea -, in dettaglio "MultiplexphOtonic sensor for pLa-smonic-based Online detection of contaminants in milk", condinato dal CNR, ha per obiettivo la progettuzione, la realizzazione e la valida-zione di un sensore ottico miniatu-ritzata, automatico e portallo peri i controllo in situ di parametri per la sicurezza alimentare, lungo la filie-ra di produzione, lavorazione e di-stribuzione de latte. Dotto di un fi-nanziamento di 6 milioni di euro. Moloko è iniziato nel gennaio 2018 e ha una durata di 42 mesis sono co involti 12 partner di 8 nazioni. Oltre al Chri di Bolgana, coordinatore del tazione, la realizzazione e la validaal Cnr di Bologna, coordinatore del rogetto, sono protagonisti centri di

....

PHOTONICS²¹





I partecipanti al meeting davanti alla Milkline di Podenzano e durante l'incontro sul progetto Moloko

programmare quella futura nei gior-ni scorsi alla Milldine si è svolto un meeting, al quale hanno preso par-te i partner del progetto: il prossimo FRIGERIO (MILKLINE) «La sicurezza alimentare nostra priorità» appuntamento per il gruppo è fissa-to per il mese di settembre in Comto per a mese a sectentare ai com-missione europea, dove verranno anche esposti i primi risultati della-voro di ricerca. Durante le giornate piacentine, i ricercatori hanno ma-Abbiamo accolto con placere la pro

nifestato molto interesse per la visi-

posta del Cni Ismin di partecipare al pro-getta, con loro avevamo gli partecipa-to a un altro bando regionale con un ot-timo punteggia, ma non sufficiente per timo punteggia ma non sumorme per risultare fra i vincitori. Il progetto punta alla sicurezza alimentare quindi una prio-rità assoluta per il contesto in cui operia-mo». Così Elio Frigerio, direttore genera-le Mikline, commenta l'esperienza che Evanineto di unastructo avatti, actitoti l'azienda sta portando avanti, sottolineando anche di averospitato con gran-

de piacere il gruppo di lavoro del proget-to Moloko. « Nei tre giorni di lavoro nel-la nostra sode i riceratori di tutta Euro-pa che partocipano al progetto hannovi-sitato e conosciuto una realtà azientale del settore della mungitara come Mildi-ne ed un allevamento da latte della pia-nura padana. L'esperienza concentria si curamente di dare un utteriore valore ag-giunto all'attività che stanno conducer-do, affinchi tinsultato della ricera posdo, affinché il risultato della ricerca possa trovare piena applicazione». Mol.

naestao mono narevesse per al visi-ta in stalla, dove sarà integrato il sen-sore, direttamente nella linea di pro-duzione del latte. Questo lavoro di integrazione del dispositivo e di sua validazione sarà appunto svolto da Mildine, in quanto leader nel setto-re de la menzione ri sono sempre più sensibili. Proprio per fare il punto sull'attività svolta e re della mungitura.

780839 — MOLOKO

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6.2.5 Photonics 21

https://www.photonics21.org/ppp-projects/workgroup-3/Moloko.php

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6.3 Non-scientific and non-peer-reviewed publication (popularised publication)

1. Optics

- Milk sensor tipped to cut contaminants http://optics.org/news/9/8/48
- 2. New Electronics

Photonics to help dairy industry with new 5-minute scan <u>http://www.newelectronics.co.uk/electronics-news/photonics-to-help-dairy-industry-with-new-5-minute-scan/182413/</u>

3. The Latest

Photonics to help dairy industry with new 5-minute scan https://thelatest.com/story/help-scan-photonics-industry-8139552

4. Electronics 360

Photonics to Help Dairy Industry with New Five-Minute Scan <u>https://electronics360.globalspec.com/article/12684/photonics-to-help-dairy-industry-with-new-five-minute-scan</u>

5. Laser Focus World

Five-minute dairy milk scan is goal of surface plasmon resonance sensor <u>https://www.laserfocusworld.com/articles/2018/08/five-minute-dairy-milk-scan-goal-of-surface-plasmon-resonance-sensor.html</u>

 Electronics and Engineering Design IT The dairy industry gets a helping hand with a new five-minute scan <u>https://www.eedesignit.com/the-dairy-industry-get-a-helping-hand-with-a-new-five-minute-scan/</u>

7. Electronic Specifier

Photonics to help dairy industry with new five-minute scan <u>https://www.electronicspecifier.com/sensors/photonics-to-help-dairy-industry-with-new-five-minute-scan-1</u>

8. Tech Mezine

Photonics to help dairy industry with new 5-minute scan <u>https://www.techmezine.com/top-10-news/photonics-help-dairy-industry-new-5-minute-scan/</u>

9. Novus Light Tech

Scanning Dairy Cows with Photonic Technology https://www.novuslight.com/canny-dairy-cows-with-photonic-technology_N8380.html

10. AZO Optics

Photonics to Help Dairy Industry with New 5-Minute Scan https://www.azooptics.com/News.aspx?newsID=23921







 Informatore Zootecnico, the italian magazine specific for zootechnical sector Un Sensore Ottico Per La Qualità Del Latte <u>http://www.moloko-project.eu/wp-content/uploads/2018/11/MOLOKO-article-on-Informatore-Zootecnico.pdf</u>





6.4 Conferences

1. PIC International Conference,

10-11 April 2018, Brussels (Belgium), Oral Presentation, Adding the 'tech' to biotech opportunities for photonic integrated circuits Reached people: Over 400 delegates at the event and around 200 at the talk (Participating partner: ENAS)

2. European Photonics Roadshow

16 May 2018, Florence (Italy), Invited contribution: Multiplex phOtonic sensor for pLasmonic-based Online detection of contaminants in milK – MOLOKO Reached people: About 50-70 people (participating partner: CNR)

3. ASSET2018

28-31 May 2018, Belfast (Northern Ireland), Belfast Summit on global food integrity 2018, Poster presented entitled "Innovative multiplex organic photonic sensor for plasmonic-based detection of contaminants in milk: the MOLOKO project" Reached people: Over 600 delegates from 47 countries participated to the event (participating partner: QCL)

4. CIMTEC 2018,

June 10-14, 2018, Perugia (Italy) Invited contribution: Simultaneous Tenfold Brightness Enhancement and Emitted-light Spectral Tunability in Transparent AmbipolarOrganic Light-emitting Transistor by Integration of High-k Photonic Crystal Reached people: 150-200 people (participating partner: CNR)

5. CIMTEC 2018

June 10-14, 2018, Perugia (Italy) Oral contribution: Enhancing the electroluminescence of organic light-emitting transistors by modifying the metal/organic interface with conjugated polar polymers (participating partner: CNR)

6. E-MRS 2018,

18-22 June, 2018, Strasbourg (France)
Oral contribution: Enhanced electroluminescence in hybrid organic light-emitting transistors through a conjugated polar polymer interlayer
Reached people: 200-250
(participating partner: CNR)

7. SPIE Optics and Photonics 2018,

19-23 August, 2018, San Diego (USA) Contribution: An innovative multiplex organic photonic sensor for plasmonic-based detection of contaminants in milk: the MOLOKO project Reached people: 400 (participating partner: CNR)







8. Materials.it

22-26 October 2018, Bologna (Italy) Materials.it is one of the main Italian National Conference on Materials Science and Technology. Presentation of MOLOKO project. Reached people: 250-300 (participating partner: CNR)

9. OE-A 44th Working Group Meeting

23,24 October 2018, Aix-en-Provence (France) Poster presentation and mini-talk about MOLOKO project Reached people: 50-70 (participating partner: CNR)

10. Materials Research Society (MRS)

Fall meeting 2018, 25-30 November 2018, Boston (USA) MOLOKO poster presentation Reached people: 400-500 (participating partner: CNR)

11. LOPEC conference

19-21 March 2019, Munich (Germany) Poster presentation to companies and stakeholders in the field of flexible and printed electronics, together with academic institutions Reached people: 2,700 participants from 44 countries, 163 exhibitors from 19 countries participated in the trade show (participating partner: CNR)

12. Analytica

21-22 March 2019, Rome (Italy) The conference is addressed to farmers, lab technicians and managers, production managers. Reached people: Around 60 people (participating partner: CNR)

13. XVII Congress National Mastitis Council 2019 annual meeting

8-9 March 2019, Reggio Emilia (Italy) Oral presentation "New technologies for cattle health and milk quality" Reached people: Around 100 people (participating partner: PARMALAT)

14. IDF Mastitis Conference 2019

14-16 May 2019, Copenhagen (Denmark) Poster presentation and oral presentation Reached people: Around 400 people (participating partner: PARMALAT)

15. E-MRS Spring

27-31 May 2019, Nice (France) Oral presentation Reached people: 250-300







(participating partner: CNR)

16. Nanotexnology

29 June - 6 July 2019, Thessaloniky (Greece) This conference is a world-class International event in Nanosciences and Nanotechnologies (N&N) that focuses on the latest advances on N&N and promotes profound scientific discussions between scientists, researchers from different disciplines and market leaders Reached people: Around 200 people (participating partner: CNR)

6.5 Exhibitions

 Eurotier 2018 – dairy cattle and zootechncial exhibition on the 13th- 16th November 2018 in Hannover (Germany)

A project totem and brochures of the MOLOKO Project were present In the Milkline's stand. Reached people: About 160,000 attended the conference (participating partner: MILKLINE)

2. ICT 2018: Imagine Digital - Connect Europe

In this event organized in Vienna in December 2018 by the European Commission and Austria, in occasion of the Austrian presidency of the EU, the project MOLOKO was invited to exhibit. MOLOKO was present with a booth with totem, brochures and flyers. Demonstrators of the single-device components of the MOLOKO sensor were shown.

Reached people: 4,800 attended the conference. About 150 visited MOLOKO stand. (participating partners: CNR, BeWG, PLASMORE)

3. IDF/ISO Analytical Week 2019

21 – 25 June 2019, Prague (Czech Republic)

Exhibition stand with 2 MOLOKO brochure types (first and second release), Plasmore brochures, technology examples from Plasmore (plasmonic grating samples), CNR (2 non-encapsulated OLET samples and one encapsulated OLET with the plasmonic grating deposited on the bottom of the OLET) and FhG FEP and ENAS (three example samples showing the complete microfluidic module - PCB on bottom and top, the semi-complete version, which allows a view at the inside -injection moulded part + PCB- as well as the pure injection moulded substrate with all microfluidic channels and reservoirs), MOLOKO project poster and QCL promotional items. Reached people: Around 150 people

(participating partner: QCL)

4. BioChip Berlin

7-9 May 2019, Berlin (Germany) MOLOKO was present at the ENAS booth Reached people: Around 600 people (participating partner: Fraunhofer ENAS)







6.6 Fairs

1. Compamed/Medica

12-15 November 2018, Düsseldorf (Germany) MOLOKO was present at the ENAS booth Reached people: Around 120116 people (participating partner: Fraunhofer ENAS)

6.7 Workshops

WP3 Workshop Life Sciences and Health at Meeting Photonics21 - Photonics strategy process towards a new multiannual roadmap; Brussels, Belgium; March 8-9 2018. Invited contribution: Multiplex phOtonic sensor for pLasmonic-based Online detection of contaminants in milK – MOLOKO

6.8 Internal Training Event

- PARMALAT event 03 July 2018, Piana di Monte Verna (Italy) Project MOLOKO – progress status of the work @Parmalat Video/Film Ready Mid-September (PARMALAT)
- 2. Milkline's Internal dissemination event December 2018, Piacenza (MILKLINE)
- M15 Internal meeting MOLOKO with all the partners (WP10) April 8-9-10 2019, Piacenza (MILKLINE)

6.9 Networking with other EU-funded projects

MOLOKO has seek opportunities for exchange of scientific knowledge and dissemination activities with the following EU-funded projects:

ACRONYM, start-end	Website	Update from MOLOKO partners: please describe how we networked with the indicated project. Please add new projects if relevant!		
COBIOPHAD	https://www.co biophad.eu/	Meeting in May 2019 at CNR between the MOLOKO project Coordinator and the Director of Lumensia sensors (partner in		
2016-01-01 to 2019-07-31	olopiladioa	COBIOPHAD project) in order to present the different photonic platforms which are the major contents of the two projects and discuss about possible technology integration		
PHASMAFOOD	http://www.pha	Ongoing discussion between the Coordinators of MOLOKO and		
2017-01-01 to 2019-12-31	smafood.eu/	Ideas on the preparation and realization of joint workshop.		
ICT4WATER	https://www.ict	The MOLOKO project is currently active in the ICT4water cluster		
Cluster	4water.eu/	space-platform in futurium.		
MYCOKEY	http://www.my	Ongoing discussion between Plasmore partner and the Coordinator of		
2016-04-01 to cokey.eu/ the p		the project in order to assess possible implementation of the MOLOKO		
2020-03-31		and feed chains. Possible meeting between the MOLOKO representatives and MycoKey General Assembly in 2020.		







6.10 Stakeholders

1. Photonics21 Annual meeting of stakeholder's association

27-28 March 2019, Brussels (Belgium)

The European Technology Platform Photonics21 unites the majority of the leading photonics industries and relevant R&D stakeholders along the whole economic value chain throughout Europe. Today Photonics21 has more than 2500 members. At the meeting, more than 200 people were present. (participating partner: CNR)

6.11 Pictures selection

PIC International Conference









ASSET2018









LOPEC Conference









XVII Congress National Mastitis Council 2019 annual meeting



IDF Mastitis Conference 2019









ICT 2018: Imagine Digital - Connect Europe





7 Conclusions

MOLOKO project partners have been actively involved in dissemination and communication activities during the first 18 months of the project. MOLOKO project received wide interest while participating to conferences, exhibitions and fairs and partners used the communication material developed for communication and dissemination purposes.

The Exploitation and Innovation WorkGroup within the Consortium considers fruitful the activity performed up to M18 in order to highlight the impact of MOLOKO system and increase the visibility of MOLOKO approach and technology. In the next 6-8 months, a capitalization of the achieved results is expected for attracting the more industry- and dealing-related players. The finalization of first demonstrator of MOLOKO system (as expected by the Annex 1) will promote further the brand of MOLOKO project and increase the number of connections that may be relevant also for the Exploitation Plan.

