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A CANcer Development mOnitor

Specific Targeted Research Project

Information Society Technologies

Deliverable D6.4: Elaboration of roadmap for use and dissemination of foreground. Section A (Public)

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

1 Document History

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2 Executive Summary

The purpose of the document is report on how the knowledge generated during the project lifetime, or foreground has been used both through dissemination, and use, or exploitation. In this way the EC and its review team can see the progress being made in the impact of the project and provide recommendations as appropriate, principally so that new technologies and/or products with Freedom To Operate (FTO) and Unique Selling Points (USP) may be identified and then commercialised shortly after the project's end.

The report is laid out according to the tasks defined in WP6 as follows: T6.3: Elaboration of roadmap for use and dissemination of foreground. It consists of two parts:

Section A: describing the dissemination measures, including any scientific publications relating to foreground. **Its content can be made available in the public domain** thus demonstrating the added-value and positive impact of the project on the European Community.

Section B: This section specifies the exploitable foreground and provides the plans for exploitation. **This section must be kept confidential** and must be treated as such by the Commission. This section is also gathered as a section in D6.5, in order to provide a logical structure that facilitates the review team their tasks.

Within the first part we include, amongst others, plans for disseminating scientific and technological information and identifies a priori potential users' forum. This plan will be implemented and commented upon throughout the project lifetime, which will be described in Deliverables D6.11 (M26) and D6.16 (M38). Dissemination of project results is carried out by consortium members. This include participation in workshops, conferences, EC related events, standardisation bodies, etc. CanDo members will participate and share information and resources with on-going R&D activities or entities, such as NoEs, IPs or any other horizontal network.

The second part is described in Section B in a separate document

3 Deliverable structure

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4 Section A – Dissemination (for public knowledge)

This section includes a list of both planned and realised dissemination activities (publications, conferences, workshops, web, press releases, flyers, etc) in free text format. In addition, a list of scientific (peer reviewed) publications is provided.

4.1 Setup of CanDo website

The initial interactive webpage, <http://www.fp7cando.eu>, that was designed and published by M5 (D6.1) and following criticism in the M9 review broken links were repaired and key images restored. It was then re-designed and its content updated by M14 with the new CanDo logo included:



4.2 Creation of promotional material

During the project we aim to publicize the project and its results through the creation and distribution of promotional material available for broader distribution at key events and through a newsletter to a regularly updated database of contacts (= the user forum, see section 4.2.4).

The first set of promotional material created by M6 (D6.2) was updated in M14 (D6.8). Further updates are to follow in M26 (D6.13) and M38 (D6.18). The promotional material consists of a project leaflet, a poster, a short presentation and a newsletter (to the CIG). All of the updated promotional material following M11 include the new CanDo logo as do the deliverables, reports and the website. UVEG leads this work, with active assistance of all partners.

4.2.1 Project leaflet

The first project leaflet, created and professionally printed (400) by M6, contained just general information about the project, its objectives and its partners. Two errors were identified at the M9 review and have been corrected. The updated version in M14 (550 professionally printed) focusses on achievements over the first 14 months as well as a featurette on the GILUPI CellCollector^(R). The leaflets are also available for download via the CanDo website.

4.2.2 Poster

A first poster was created, printed and used by the partners as of M6. The first poster contains general information about the project, its objectives and its partners. The 'stock' poster now includes the new logo design.

4.2.3 A short presentation

A first short presentation of 7 pages was created and serves as a basis for CanDo oral dissemination events for incorporation into more detailed presentations or for use ad hoc at opportunities where the partners can present their on-going work. The 'stock' presentation now includes the new logo design.

4.2.4 A newsletter

The M6 newsletter created and distributed to the CanDo User Group via email was followed up by an updated version in M14 with highlights of technical results to date in the project and a feature on GILUPI and the GILUPI CellCollector[®]. All of the above promotional material is available for

download via the CanDo website. Further newsletters will be created and distributed to the CIG in months M26 and M38, see also section 2.4.2.

4.3 Dissemination among other FP7 RTD projects

In M6 a cooperation agreement was signed between the FP7 Miracle and FP7 CanDo consortia for the exchange of know-how (D6.19). In this way a critical mass of know-how could be built up in these key areas, allowing FP7 CanDo to avoid the same mistakes from FP7 Miracle and in general allow greater advances for the same given resources. In M8, initial information exchange events took place on a limited basis. Since then CanDo had been awaiting an executive summary of the exploitation report of FP7 Miracle, which was requested as a starting point for the exploitation plan of CanDo (T6.4) as according to page 104 of the current CANDO DoW. Upon consultation with both Bayer and Gilupi the Project Committee Meeting convened in M12 in Jena decided that no advantage would be gained from receiving information from Miracle and so the collaboration has been terminated.

Communications were also opened with other synergetic projects: FP7 CTCTrap, Scalpel, IMI RAPP-ID, IMI ONCOTRACK and SAFE-T amongst others, with initiation via the 1st Newsletter as all projects are represented in the CIG.

Table: Dissemination events to other FP7 RTD projects

Date	Event	Responsible CanDo partner
M9	ICT Proposers day	UVEG
M10	EC MNBS Concertation meeting	UVEG
M15 planned.	Presentation of the project to the FP7 project Savvy	MCFS
2015, planned.	Joint workshop between CanDo and FP7 CareMore	SU
Planned	Presentation of the project to the FP7 project Hemospec	IPHT

4.4 General publicity of the project

Further publicity will take place through the *dissemination of CanDo research results to the non-scientific/technical media at large* (eg. newspapers, magazines, TV, periodicals) and raising of public awareness for the project and interest in photonic technologies at "student days", "open days", "girls days".

4.4.1 Press releases

Whenever a good opportunity presents itself, CanDo will disseminate its results via the larger press. These opportunities will either be pursued actively, e.g. when critical results are being obtained, or will occur ad-hoc when the partners are contacted by the press in conjunction with the general research activities.

✓ Several press releases have been made:

Date	Press release content	Responsible partner
M3	Project start: http://www.ikerlan.es/en/news/press-notice/labonachip-to-detect-spread-of-pancreatic-cancer-in-5-hours	Ikerlan
M6	Project start: http://www.ipht-jena.de/en/news/read-more/back/2/newsdate/2014/06/12/analyse-labor-in-chip-groesse-zur-krebsfrueherkennung.html	IPHT
M7	Project start: http://www.pcu.es/es/news-room/noticias-destacadas/2014/Nano-biotecnolog-as http://www.uv.es/uvweb/universitat/ca/llista-noticies/universitat-valencia-	UVEG

	lidera-proyecto-europeo-deteccion-precoc-cancer-pancreas-1285846070123/Noticia.html?id=1285914820053	
M9	http://www.gilupi.com/de/pdf/VistapreviadeDraftPresseleaseCanDo_pancreaticcancerDay_2014_11_12_FINAL.pdf	GILUPI

- ✓ The CanDo newsletters and press releases have triggered a number of reactions from industry and other EU projects they include:

Follow up 1	Follow up 2	Follow up 3	Follow up 4	Followup 5
http://www.elcorreo.com/salud/investigacion/20140402/microtecnologia-deteccion-metastasis-cancer-201404021814-rc.html	http://guk.es/sala-de-prensa/un-laboratorio-concentrado-en-un-chip-para-detectar-el-avance-del-cancer-de-pancreas-en-5-horas/	http://www.tulankide.com/es/rosa-iglesias-define-los-detalles-del-proyecto-cando-en-el-que-participa-ik4-ikerlan	http://www.basque-research.com/berriak/irakurri.asp?Berriri_Kod=5003&hizk=G#.U42kGuCWvEC	http://pharmaceuticalintelligence.com/2014/04/10/consortium-of-european-research-institutions-and-private-partners-will-develop-a-microfluidics-based-lab-on-a-chip-device-to-identify-pancreatic-cancer-circulating-tumor-cells-ctc-in-blood/
http://www.ingenieur.de/Fachbereiche/Medizintechnik/Ein-Minilabor-Bauspeicheldruesenkrebs-in-drei-Stunden-erkennen	http://www.laborpraxis.vogel.de/analytik/bioanalytik/zellanalyse/articles/456130/?cmp=http://www.laborpraxis.vogel.de/analytik/bioanalytik/zellanalyse/articles/456130/?cmp=beleg-mail			
http://www.europapress.es/buscador.aspx?buscar=daniel+hill&orden=2&fechaini=03/11/2013&fechafin=31/07/2014&pag=1	http://www.redaccionmedica.com/secciones/avances/las-celulas-tumorales-en-sangre-llave-que-abre-la-puerta-hacia-la-deteccion-precoc-del-cancer-de-pancreas-4184&previo=9853029185	-	-	

4.4.2 The user forum

CanDo identified a user forum, the CanDo Interest Group (CIG) that contains key players and experts from throughout the value chain: Industry (most of them from European companies), governmental

agencies and academia. The user group currently consists of >150 entities. The first newsletter was distributed to this group at M6 and the second in M14.

4.4.3 "Student days" and "Open days"

All partners will identify a suitable event in which they will disseminate the CanDo project and its results to the broader public.

Date	Event	Responsible CanDo partner
M5	Expociencia 2014, Universidad de Valencia	UVEG
Planned	To be defined	SLL_KU
Planned	To be defined	Bayer
Planned	To be defined	IK4-Ikerlan
Planned	To be defined	KTH
Spring 2015	SciLifeLab day	SU
M19	Summer School	MFCS
Planned	To be defined	IPHT
Planned	To be defined	IMEC
Planned	To be defined	Gilupi

4.4.4 Other dissemination events

Date	Event	Responsible CanDo partner
M2	Photonics West 2014	UVEG
M3	Seminar series at Biomedical Physics, Royal Institute of Technology	SU
M3	Seminar series - DNA club, Science for Life Laboratory	SU
M4	Eurotrode XII	UVEG
M6	Open seminar at Karolinska (Circulating tumor cells, a source of tumor cells for clinical use and research), with invited international speakers M.Toner (Boston), T. Gorges (Hamburg), K. Lücke (Berlin) and C. Ericson (Stockholm). Responsible persons and chairmen Lennart Eriksson and Aman Russom.	SLL-KU
M10	Oral communication at μ Tas 2014	SU
M11	Pancreatic Cancer Awareness Day: bit.ly/1oP5KvU . #WPCD2014 #WPCD2014. http://bit.ly/1pTNz9o	UVEG
M11	IEEE Sensors	UVEG
M12	Conference on Sample Treatment	UVEG
M12	ICNM	UVEG
M14	BiOS 2015	MCFS
M15	PhotOptics	UVEG
M18	Laser World of Photonics 2015	IPHT
M21	LoC WC	MCFS
M33	LoC WC	MCFS

4.5 Communications to scientific journals and conferences/workshops

The project research results obtained will be either protected by patenting and/or published at international conferences, EU-workshops and refereed journals, such that dissemination activities to the scientific community and the European Diagnostics industry as follows:

4.5.1 Scientific Publications

ID	Title	Authors	Date	Journal
1	Polarimetric plasmonic sensing with bowtie nanoantenna arrays	J. Calderon, J. Álvarez, J. Martinez Pastor, D. Hill	Published	Plasmonics 2014, doi: 10.1016/j.memsci.2014.11.015
2	Dean flow coupled separation of nucleated cells from whole blood	KTH	Submitted	Journal of Biomicrofluidics
3	Site-specific introduction of functional groups from an aluminium oxide template	imec	Preparation	
4	Implementation of surface gratings for reduced coupling noise in silicon-on-insulator circuits	S. Werquin, D. Vermeulen, P. Bienstman	Published	IEEE Photonics Technology Letters, vol. 26, no. 16, pp. 1589-1592, 2014

4.5.2 Conference communications

ID	Plan - ned / actual dates	Type: Conference	Type of audience	Venue	Size of audience	Partner res - ponsible / involved	Pub - lication / Pres - entation	Website conference
1	M2	SPIE Photonics West	Researchers , commercial	San Francisco	50	UVEG	Oral	http://spie.org/x105834.xml
2	M2	Hanson Wade	Commercial, clinicians, researchers	Berlin	100	BPH & Gilupi	Oral (3)	http://circulate-europe.com/2014-speakers
3	M4	Europtrode XII	Researchers	Athens	15	UVEG	Poster	http://europtrode2014.eu/
4	M8	Gordon Conference		South Hadley, MA, US		KTH	Poster	
5	M8	SPEC2014.	Commercial, clinicians, researchers	Krakow, PL	250	IPHT	Poster	http://www.spec2014.com
6	M10	ACTC 2014		Crete		BPH	Poster	
7	M13	Tri-con molecular Med	Commercial, clinicians, researchers	San Francisco		KTH	Poster	www.triconference.com
8	M15	Biodetection & Biosensors Conference	Commercial, clinicians, researchers	Berlin	?	UVEG	Invited Talk	http://selectbiosciences.com/conferences/index.aspx?conf=BB2015

9	M17	Optical Wave and Waveguide Theory and Numerical Modelling Workshop	Researchers	London		UVEG	Poster	http://www.city.ac.uk/owtnm-2015
10	M17	2nd Bioanalytical Sensors Conference	Researcher, commercial	Berlin		UVEG	Invited Talk	https://www.gtc-bio.com/conferences/bioanalytical-sensors-overview

4.5.3 Peer reviewed scientific publications

LIST OF SCIENTIFIC (PEER REVIEWED) PUBLICATIONS, STARTING WITH THE MOST IMPORTANT ONES								
No.	Title	Main author	Title of the periodical or the series	No., date or frequency	Pub - lisher	Place of pub - lication	Year of pub - lication	Rel - evant pages
1	Polarimetric plasmonic sensing with bowtie nanoantenna arrays	Jonathan Calderon	Plasmonics	doi: 10.1016/j.msm.2014.11.015	Springer	--	2014	Under review
2	Dean flow coupled separation of nucleated cells from whole blood	KTH	Journal of Biomicrofluidics					Submitted
3	Site-specific introduction of functional groups from an aluminium oxide template	imec	In preparation					
4	Implementation of surface gratings for reduced coupling noise in silicon-on-insulator circuits	S. Werquin	IEEE Photonics Technology Letters,	26 (16)	IEEE	--	2014	1589-1592

4.6 Internal dissemination

We are conducting a series of 30-60 minute lectures to be held at each consortium meetings. The lectures contain a basic introduction in each of the many scientific and technical fields addressed within CanDo. The target audience will be the CanDo partners themselves AND interested researchers at the site of the meeting.

Date	Lecture title	CanDo partners
M3	Circulating Tumour cells in diagnostic pathology	Lennart Eriksson, SLL-KU
M6	Molecular tools for DNA and RNA analysis....	Mats Nilsson, SU
M24	Comparison of capture efficacy	BPH
M35	Comparison of clinical results	BPH
M38	To be defined	Rosa Iglesias, IK4-Ikerlan
TBA	Inertial separation	Harisha, KTH
Planned	To be defined	SU
Planned (M15)	Microfluidics technology and Fabrication methods	MFCS
Planned	Microfluidics product development strategies	MFCS
M12	Clinical diagnosis via Raman spectroscopic approaches	Juergen Popp, IPHT
Planned	To be defined	IMEC
Planned	To be defined	Gilupi

4.7 Contributions to standards

Throughout the project where necessary the consortium will contribute to national and/or international standards.

4.8 Contribution to policy developments

In the eventuality that the project would have significant impacts on research or research-based policy development at regional, national or European level such details and policy process shall be detailed in the dissemination section of the periodic reports.

4.9 Risk assessment and related communication strategy

Any potential risks (real or perceived) for society/citizens associated with the project and the communication strategy adopted in this regard will be identified during the project and communicated to the corresponding group through the appropriate means.

5 Conclusions

Dissemination of foreground suitable for public knowledge has been outlined and will be later updated at M26 and M38.