



“Single molecule bio-electronic smart system array for clinical testing”

Grant Agreement n° 824946

Deliverable 7.3 communication, dissemination and outreach activities

December 31st, 2019

with contributions from: Efficient Innovation, CSGI

Releases history

Release	Date	Author	Description
1	30/11/19	CSGI	
2	12/12/19	EI	

DELIVERABLE CONTENT

One of the principal objectives of SIMBIT outreach activities is the effective, sustainable and broad dissemination of the SIMBIT main activities, progress, achievements and outcomes, among and beyond the members of the project’s consortium, to the wider European scientific community and the general public.

Consequently, in an attempt to firstly identify and gain as many SIMBIT “followers” as possible, as well as create and maintain public awareness, public interest and societal acceptance about this project, a plethora of dedicated dissemination and communication activities have been designed and performed.

This deliverable 7.3 – “report on dissemination, communications and exploitation activities” has objective to present the first-year activities concerning the global communication for the SiMBiT project. This document will present the actions and decisions made during 2019 on the outreach activities.

DISSEMINATION AND OUTREACH ACTIVITIES

ONLINE COMMUNICATION SUPPORTS

Early on in the project a SIMBIT public website (simbit-h2020.eu) and social media profile on LinkedIn (<https://www.linkedin.com/company/36020918>) has been developed and has been continuously updated throughout the entire year, based on the activities and progress of the latter, as well as with latest news upon events. As previously noted, it is critical for the SIMBIT project to raise and maintain the public interest and societal acceptance through the efficient communication of gained knowledge. The design and main functionalities of the SIMBIT public website are thoroughly analysed in D7.1.

For the first year the News & Events section has been updated five times with information about performed SIMBIT-related publications, upcoming relevant Events, meetings and Workshops. Also, the Dissemination section of the website has been updated with the latest communication and dissemination materials created and released during the year.



The screenshot shows the SIMBIT website's 'NEWS & EVENTS' section. At the top, there is a navigation menu with links for Home, The project, Partners, Publications, News & events, and Contact us. The main heading is 'NEWS & EVENTS' with a sub-link 'Home > News & events'. Below this, a featured article is displayed with the title 'PARTICIPATION TO EUROPEAN COMMISSION WORKSHOP “SMART BIOELECTRONIC AND WEARABLE SYSTEMS” HELD IN BRUSSELS ON OCTOBER 22ND AND 23RD 2019'. To the left of the article is a graphic titled 'Smart Bioelectronic & Wearable Systems' which lists technologies for Health & Care, Food & Agriculture, Environment, and Safety & Security. To the right of the graphic, the article text states: 'This European workshop presents breakthroughs and innovations in smart bioelectronics and flexible & wearable systems with the presence of market leaders, innovators, researchers, professional and user organisations. The goal is to raise the importance of electronics and in particular smart integrated sensor systems using heterogeneous technologies, new materials and fabrication processes. Professor Luisa Torsi and her team (CSGI @ Università degli Studi di Bari Aldo Moro) will attend to both days workshop and will present the SIMBIT project on the second day (October 23rd) at 14:50. Find further information and the complete programme here : <https://ec.europa.eu/digital-single-market/en/news/workshop-smart-bioelectronic-and-wearable-systems>

Figure 1 : example of news on the SiMBiT website

To follow the activity on SiMBiT website we installed in July Google analytics. This tool is performant to analyse and detect only “real” users of the website to avoid counting twice people who are coming several times and automatic connexion. **From the 1st of July 2019 and the 9th of December, 194 persons have visited the website. 43% of them are in Italy or France.** The third country most represented is the US.



Figure 2 : Analysis of SiMBiT's website users from the 01/07/19 - 09/12/19

PHYSICAL COMMUNICATION SUPPORTS

SiMBiT team is taking part of dissemination activities as trade exhibitions, conferences, etc. To support communication, leaflets and posters will be distributed or displayed during relevant events. As already reported in the previous SiMBiT yearly own dissemination activities deliverable (D7.2), early on in the project, in the frame of establishing a consistent and high-quality impression SiMBiT “visual identity”, the project’s official logo was designed along with the SiMBiT official deliverable and presentation templates.

This year the following supports have been created:

- Roll-up
- Leaflets
- Poster of general presentation of the work packages
- Banner with the logo



Figure 3 : leaflet middle pages

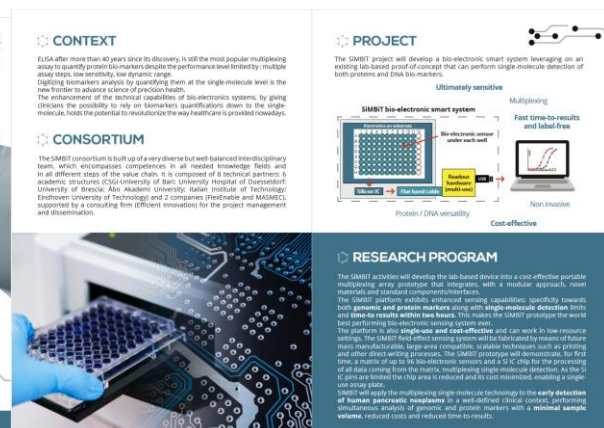


Figure 4 : leaflet front and back

Figure 5 : Roll-up

Figure 6 : work packages presentation poster

EVENTS

To ensure the communication on SiMBiT project, members of the project are attending relevant events as congresses, conferences, workshops, professional trades etc. In April 2019, CSGI and Abo organised a workshop in Finland on the Cooperation of Italy and Finland in the field of Organic Bioelectronics. Three entities of SiMBiT were attending to the workshop. The following table summarizes the 2019 events:

Event	Topic	Date	Entity
EBS 2019, Florence – Italy	European Biosensor Symposium	18 th -21 st February 2019	CSGI
JBL Symposium, Beijing – China	-	22 nd -23 rd March 2019	CSGI
conference DATE 2019, Florence, Italy	Circuit Design and Design Automation for Printed Electronics	26 th March 2019	Tue
United in innovation, in Turku, Finland	Cooperation between Italy and Finland in the field of Organic Bioelectronics	15 th April 2019	UNIBS, Abo, CSGI
E-MRS in Nice, France	European Materials Research Society congress	28 th – 30 th May 2019	CSGI, UNIBS, Abo

Bunsentagung 2019, Jena, Germany	118th General Assembly of the German Bunsen Society for Physical Chemistry	30 th -31 st May 2019	CSGI
14th International Symposium on Fp14, Berlin, Germany	Functional p-Electron Systems	2nd-7 th June 2019	CSGI
8th IEEE IWASI, Otranto, Italy	International Workshop on Advances in Sensors and Interfaces	13 th -14 th June 2019	CSGI, UNIBS, Tue
IPOE 2019, Cergy, France	2nd conference on Interface Properties in Organic and hybrid Electronics	8 th -11 th July 2019	CSGI
CECAM-IT-SIMUL, Lecco, Italy	Fabrication processes and molecular organisation in organic thin films: theory and simulation meet experiments	17 th -20 th July 2019	IIT
ECME 2019, Linköping, Sweden	15th European Conference on Molecular Electronics	27 th -30 th August 2019	CSGI
EUROANALYSIS 2019, Istanbul – Turkey	Europe's Analytical Chemistry Meeting	1 st -5 th September 2019	CSGI
SISPAD in Udine, Italy	International Conference on Simulation of Semiconductor Processes and Devices	4 th -6 th September 2019	UNIBS
European Congress of Pathology	-	8 th -11 th September 2019	UDUS
BIONAM 2019, MSC Orchestra – Genoa – Italy	International Conference on Bio and Nanomaterials	29 th -3 rd October 2019	CSGI
Orbitaly 2019, Naples – Italy	International conference Organic Bioelectronics Italy	21 st -23 rd October 2019	CSGI, IIT
EC workshop in Brussels, Belgium	European commission workshop "smart bioelectronic and wearable systems"	22 nd – 23 rd October 2019	CSGI, UNIBS
Organic and Biodegradable Electronics workshop at Åbo Akademi University	Workshop in Abo Akademi University jointly with Institute of Physics and Royal Society of Chemistry	25 th October 2019	Abo
IEEE NMDC 2019 – Stockholm - Sweden	14 th IEEE nanotechnology Materials and Devices Conference	27 th -30 th October 2019	CSGI
MRS Fall Meeting, Boston – USA	Materials Research Society	1 st -6 th December 2019	CSGI

EPFL, Lausanne – Switzerland	IMX Seminar Series - Ultimately sensitive organic bioelectronic transistor sensors	15 th -17 th December 2019	CSGI
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SCIENTIFIC PUBLICATIONS – PUBLICATIONS AND ARTICLES

Title	Publication	Date publication	Entity	Authors
<i>“Physical-based modeling of single-molecule label-free electrolyte-gated organic transistors”</i>	IUMRS Symposium K, Organic bioelectronics. Art. K.6.8.	2019	CSGI, UNIBS	F. Torricelli, E. Macchia, K. Manoli, C. Di Franco, Z. M. Kovacs-Vajna, G. Palazzo, G. Scamarcio, L. Torsi
<i>“Circuit Design and Design Automation for Printed Electronics”</i>	DATE conference, published in IEEE	2019	Tue, UNIBS	M. Fattori, J.A. Fijn, L. Hu, E. Cantatore F. Torricelli M.Charbonneau
<i>“Current-driven organic electrochemical transistor for bioelectronics applications”</i>	Conference presentation “United in innovation”	2019	UNIBS	F. Torricelli
<i>“Selective Single-Molecule Detection of clinically relevant biomarkers with an Organic Transistor”</i>	IUMRS Symposium K, Organic bioelectronics. Art. K.6.2.	2019	UNIBS, Abo, CSGI	E. Macchia, R. A. Picca, N. Cioffi, C. Di Franco, G. Scamarcio, G. Palazzo, F. Torricelli, Ronald Österbacka, L. Torsi
<i>“Printed Smart Sensing Surfaces: technology, design and applications.”</i>	IEEE 8th International Workshop (IWASI)	2019	Tue	Marco Fattori ; Joost A. Fijn ; Enrico Genco ; Eugenio Cantatore
<i>” Analysis of Label-Free Single-Molecule Biosensors based on Gate-Biofunctionalized Organic Transistors”</i>	IEEE 8th International Workshop (IWASI) 70-74	2019	UNIBS, CSGI	F. Torricelli, E. Macchia, K. Manoli, C. Di Franco, Zs. M. Kovács-Vajna, G. Palazzo, G. Scamarcio, L. Torsi
<i>“A label-free immunosensor based on a graphene water-gated field-effect transistor”</i>	IEEE 8th International Workshop (IWASI) 136 – 138	2019	CSGI	R. A. Picca, D. Blasi, E. Macchia, K. Manoli, C. Di Franco, G. Scamarcio, F. Torricelli, A. Zurutuza, I. Napal, A. Centeno, L. Torsi
<i>“Single molecule detection of markers with a label-free bio-electronic sensor”</i>	IEEE 8th International Workshop (IWASI), 1	2019	CSGI	L.Torsi
<i>“Effect of the ionic strength of the gating</i>	IEEE 8th International	2019	CSGI, UNIBS	E. Macchia, K. Manoli, B. Holzer, C. Di Franco, F. Torricelli, R. A. Picca, G.

solution on the SiMoT response”	Workshop (IWASI), 221-223			Palazzo, G. Scamarcio, L. Torsi
“Ion buffering and interface charge enable high performance electronics with organic electrochemical transistors”	Nature Communications, Vol. 10, no. 3044, pp. 1-11	2019	UNIBS	P. Romele, M. Ghittorelli, Zs. M. Kovács-Vajna, F. Torricelli
“Organic Bioelectronic Transistors: From Fundamental Investigation of Bio-Interfaces to Highly Performing Biosensors”	Organic Bioelectronics for Life Science and Healthcare 56, 1-70	2019	CSGI	E. Macchia, R. A. Picca, A. Tricase, C. Di Franco, A. Mallardi, N. Cioffi, G. Scamarcio, G. Palazzo, L. Torsi
“Investigation and Modelling of Single-Molecule Organic Transistors”	2019 conference SISPAD, 1-4	2019	UNIBS, CSGI	F. Torricelli, E. Macchia, P. Romele, K. Manoli, C. Di Franco, Z. M. Kovacs-Vajna, G. Palazzo, G. Scamarcio, L. Torsi
“Selective single-molecule analytical detection of C-reactive protein in saliva with an organic transistor” -	Analytical and bioanalytical chemistry, 1 – 10	2019	CSGI	E. Macchia, K. Manoli, B. Holzer, C. Di Franco, R. A. Picca, N. Cioffi, G. Scamarcio, G. Palazzo, L. Torsi
“A study on the stability of water-gated organic field-effect-transistors based on a commercial p-type polymer”	Frontiers in chemistry, 7, 667	2019	CSGI	R.A. Picca, K. Manoli, E. Macchia, A. Tricase, C. Di Franco, G. Scamarcio, N. Cioffi, L. Torsi
“Ultimately Sensitive Organic Bioelectronic Transistor Sensors by Materials and Device Structures' Design”	Advanced Functional Materials, 1904513	2019	Abo, CSGI, UNIBS	R. A. Picca, K. Manoli, E. Macchia, L. Sarcina, C. Di Franco, N. Cioffi, D. Blasi, R. Österbacka, F. Torricelli, G. Scamarcio, L. Torsi
” About the amplification factors in organic bioelectronic sensors”	Materials Horizon (press)	2019	Abo, CSGI, UNIBS	E. Macchia, R. Anna Picca, K. Manoli, C. Di Franco, D. Blasi, L. Sarcina, N. Ditaranto, N. Cioffi, R. Österbacka, G. Scamarcio, F. Torricelli, L. Torsi