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**PHC-26-2014**

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UMOR, SAS, UNIP, YOURDATA

**Reviewer(s):** SAS

## VERSION HISTORY

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1.9	SAS	Section 1, Section 2, Section 3 (update)	7 December 2017
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1.19	APPART	Section 1, Section 3	20 March 2018
1.20	UNIPi	Section 2, Section 3	20 March 2018
1.21	SAS	Section 1, Section 2, Section 3 (update)	21 March 2018
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1.24	CSIC	Section 1, Section 2, Section 3 (update)	22 March 2018
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1.26	FORTH	Section 1, Section 2, Section 3 (update)	26 March 2018
1.27	SAS	Pre-final version review	21 March 2018
1.28	LIP	Final version submitted to EC	4 April 2018

## TABLE OF CONTENTS

INTRODUCTION.....	6
1. Dissemination activities targeting multi-disciplinary audiences.....	7
1.1 Overview of the HEARTEN dissemination tools.....	7
1.1.1 HEARTEN logo .....	7
1.1.2 HEARTEN website.....	8
1.1.3 Project reports .....	10
1.1.4 Conference and journal publications.....	11
1.1.4.1 Journal publications .....	11
1.1.4.2 Conference publications .....	14
1.1.5 Poster presentations.....	16
1.1.6 Project presentations.....	20
1.1.7 Flyers .....	29
1.1.8 Short-films.....	34
1.1.9 Social media .....	34
1.1.10 Other dissemination activities .....	34
1.1.11 Clustering with other projects .....	37
1.1.12 Dissemination activities performed by each partner .....	39
2. Dissemination activities targeting HF patients .....	41
3. Summary of dissemination activities .....	43
3.1 Overview of the dissemination activities conducted by each partner .....	43
REFERENCES.....	47

## List of Figures

Figure 1: HEARTEN logo. ....	8
Figure 2: Overview of the 1 <sup>st</sup> version of HEARTEN website. ....	8
Figure 3: Overview of the 2 <sup>nd</sup> version (final) of HEARTEN website.....	9
Figure 4: Connections to HEARTEN website (Period: 23/09/2016 till 30/03/2018). ....	10
Figure 5: Categories of HEARTEN visitors. ....	10
Figure 6: Overview of the 1 <sup>st</sup> flyer of HEARTEN project (page 1).....	30
Figure 7: Overview of the 1 <sup>st</sup> flyer of HEARTEN project (page 2).....	30
Figure 8: Overview of the 2 <sup>nd</sup> flyer of HEARTEN project (page 1).....	31
Figure 9: Overview of the 2nd flyer of HEARTEN project (page 2). ....	31

## List of Tables

Table 1: Overview of planned vs actual dissemination activities. ....	7
Table 2: HEARTEN website statistics.....	10
Table 3: Journal publications per partner (M1-M39). ....	11
Table 4: Conference publications per partner (M1-M39).....	14
Table 5: Poster presentations per partner (M1-M39). ....	17
Table 6: Project presentations per partner (M1-M39). ....	20
Table 7: Flyer distribution per partner (M1-M39). ....	31
Table 8: Other dissemination activities per partner (M1-M39).....	34
Table 9: Overview of dissemination activities conducted by each partner (M1-M39). ....	39

## INTRODUCTION

This deliverable presents an overview of the dissemination activities that have been performed by the HEARTEN partners from M1-M39 towards communicating the HEARTEN vision, objectives, progress and final results. The deliverable is structured as follows:

**Section 1** presents the dissemination tools targeting multi-disciplinary audiences. In this section, an overview of the dissemination tools that were used is presented, including the creation of the HEARTEN logo, the project website, the project reports, the conference and journal publications, the poster presentations, the project presentations, the flyers creation and distribution in several events and conferences, the presence in the social media, as well as other dissemination activities (press releases, newsletters, interviews, etc) and clustering with other projects.

**Section 2** presents the performed dissemination activities targeting the patient associations towards informing them about the existence of HEARTEN mHealth platform and the benefits for improving their disease management at home, empowering them and improving their quality of life. Among the organisations that HEARTEN partners approached are the Hellenic Society of Cardiology and Medical Association of Athens, the Hellenic organization of HF patients, the Hospital of the University of Cagliari and the Local Healthcare Organization of Sanluri in Sardinia, patients' associations and hospitals in Lanusei, Cagliari, Pisa and Dublin, Andalusian and Spanish associations, as well as the HF patients at the University of Pisa Hospital (Italy) and the Cardiology Department of the University Hospital of Ioannina (UHI). In addition, the participation in the HEALTHIO event enabled HEARTEN partners to approach the HF patients, and communicate them the innovation of HEARTEN platform through leaflets and TV material.

**Section 3** presents an overview of the dissemination activities conducted by each partner.

# 1. Dissemination activities targeting multi-disciplinary audiences

## 1.1 Overview of the HEARTEN dissemination tools

HEARTEN project has followed a well-designed dissemination strategy in order to allow the wide penetration and communication of the project scope, objectives, outcomes and results in the target audience and the related actors. An overview of the performed activities versus the planned activities as described in the DoW is presented in Table 1.

**Table 1:** Overview of planned vs actual dissemination activities.

Type	Planned	Achieved	Involved partners
Project website	1	1	FORTH, LIP
Journal publications	10	31	UCBL, EVERIS, FORTH, CSIC, UMOR, UNIPI, SAS
Conferences	20 (attendance)	32 (publications)	UCBL, FORTH, CSIC, UMOR, UNIPI, SAS
Poster presentations	10	39	UCBL, EVERIS, FORTH, CSIC, UNIPI, SAS, YOURDATA
Project presentations (including conferences and workshops)	16	185	UCBL, EVERIS, APPART, FORTH, CSIC, UMOR, UNIPI, SAS, YOURDATA, CAREDOME, SESA
Flyers distribution	7	31	EVERIS, APPART, FORTH, CSIC, UMOR, UNIPI, SAS, YOURDATA
Other	N/A	41	UCBL, LIP, EVERIS, FORTH, CSIC, UNIPI, SAS, CAREDOME, SESA, SITAL
Social media	4	5	All partners
<b>Total</b>		<b>365</b>	

The aforementioned activities are additional to the activities that are targeting the patients and are presented in section 2.

### 1.1.1 HEARTEN logo

HEARTEN logo was inspired by the drawing of a human heart. This is the heart of the heart failure patient who is empowered and assisted in his/her disease management through the utilization of the smartphone, the breath/saliva biosensors and the mobile application. The logo has been included in all HEARTEN documents (deliverables, reports, etc) and communication materials (electronic, traditional).



Figure 1: HEARTEN logo.

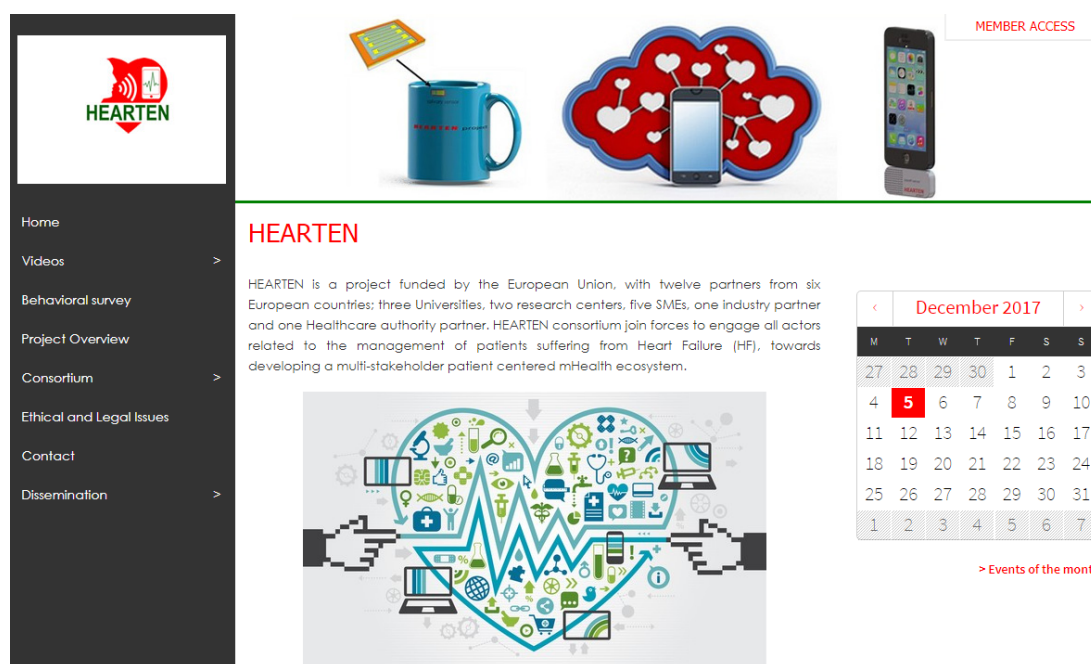
### 1.1.2 HEARTEN website

The HEARTEN Website [1] has been created and is online from the beginning of the project. During the project lifetime, two versions for the project website were available.



Figure 2: Overview of the 1<sup>st</sup> version of HEARTEN website.





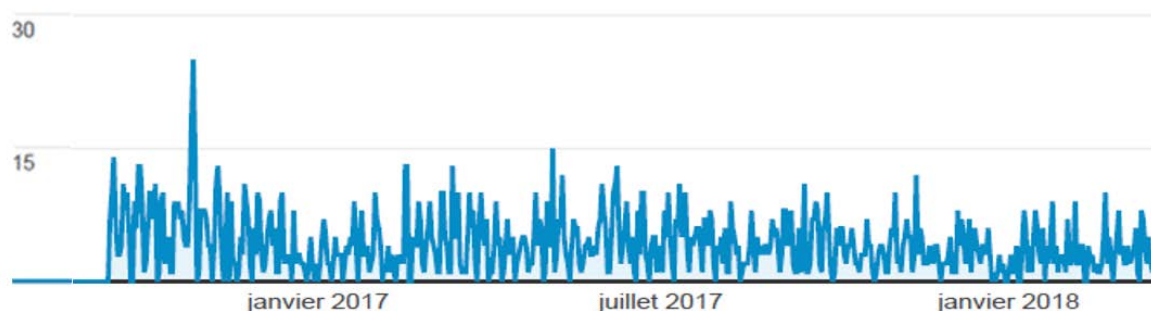
**Figure 3:** Overview of the 2<sup>nd</sup> version (final) of HEARTEN website.

The objective of the HEARTEN Website is to promote and effectively communicate the project activities, progress and results (public area). The structure of the final website is as follows:

- Home page; the summary of the project is provided, including the overall objective of the project and the overall strategy to be followed.
- Project overview section; the key components and the overall impact of HEARTEN platform are provided.
- Consortium section; including details and information for the HEARTEN partners.
- Dissemination section
- Publications
- Presentations
- Media
- Newsletters
- Follow us; including the links of the project social media accounts (Facebook [2], YouTube [3], Twitter [4], LinkedIn [5]).
- Videos;
- Ethical and legal issues section; the Ethical and Legal Aspects within HEARTEN are presented.
- Behavioral survey section; to collect statistical evidences of the HEARTEN platform adoption potential.

In addition, a private area is also available, in which deliverables, meeting presentations and other project related documents are available.

The connections to the HEARTEN website from 23/09/2016 till 30/03/2018 are presented below:



**Figure 4:** Connections to HEARTEN website (Period: 23/09/2016 till 30/03/2018).

More specifically, the statistics of the project website are presented in Table 2.

**Table 2:** HEARTEN website statistics.

HEARTEN website statistics	
Number of connections	2359
Users	1654
Pages seen	6381
Pages per connection	2.70
Average of time per connection	2.06

An overview of the category in which the HEARTEN visitors exist is presented below.

**Figure 5:** Categories of HEARTEN visitors.

### 1.1.3 Project reports

HEARTEN results are disseminated, among other means, through the project deliverables. The project has delivered in total 12 public deliverables, which can be reached by the general audience. More specifically:

- 1 public deliverable in WP1 (D1.1 Quality Assurance plan).
- 9 public deliverable in WP2 (D2.1 Project website, press release, lay summary and twitter account, D2.2 HEARTEN Presentations and Promotional Material 1, D2.3 HEARTEN Presentations and Promotional Material 2, D2.4 HEARTEN Presentations and Promotional Material 3, D2.5 HEARTEN Presentations and Promotional Material 4, D2.9 Dissemination plan and activities 1, D2.10 Dissemination plan and activities 2, D2.11 Dissemination plan and activities 3, D2.12 Final press release, blog post and project related short film).

- 1 public deliverable in WP3 (D3.1 Ecosystem actors needs and use cases of the HEARTEN environment).
- 1 public deliverable in WP8 (D8.2 Final integrated Dynamic patient communication protocol and ICT cooperative environment).

### 1.1.4 Conference and journal publications

In order to transfer the scientific/technological progress and outcomes of HEARTEN project in a wide audience, such as biosensor and biochemistry experts, biomedical and software engineers, healthcare professionals, public or private companies interested in commercially uptaking HEARTEN results, HEARTEN Consortium has made several publications in multidisciplinary fields of expertise. These publications have been realized through the participation in well-known conferences and in journal articles. These publications are related to WP3 – WP9 progress and activities and have been performed by UCBL, FORTH, UNIP, UMOR, CSIC, SAS and EVERIS partners.

#### 1.1.4.1 Journal publications

The publications that have been accepted in journals from M1-M39 are presented in Table 3.

**Table 3:** Journal publications per partner (M1-M39).

Partner	Title
<b>UCBL</b>	
UCBL	B. Saini, J. Gallardo Gonzalez, A. Baraket, I. Fuentes, C. Viñas, N. Zine, J. Bausells, F. Teixidor, A. Errachid, A Novel Potentiometric Microsensor for Real-Time Detection of Irgarol Using the Ion-Pair Complex [Irgarol-H] <sup>+</sup> [Co(C2B9H11)2] <sup>-</sup> , Sensors and Actuators B 2018, accepted with minor correction. (Joint with CSIC)
UCBL	J.Gonzalez, A. Saini, A. Baraket, S. Boudjaoui, A. Alcacer, A. Streklas, F. Teixidor, N. Zine, J. Bausells, A. Errachid, A highly selective potentiometric amphetamine microsensor based on all-solid-state membrane using a new Ion-Pair Complex, [3,3'-Co(1,2- closo-C2B9H11)2]- [C9H13NH] <sup>+</sup> , Sensors and Actuators B 2018, accepted with minor correction (Joint with CSIC)
UCBL	L. Barhoumi, A. Baraket, F. Bellagambi, G. Karanasiou, M. Ben Ali, D. Fotiadis, J. Bausells, N. Zine, M. Sigaud, A. Errachid, A novel chronoamperometric immunosensor for rapid detection of TNF-α in human saliva, Sensors and Actuators B XX (2018) (Joint with CSIC, FORTH, UNIP)
UCBL	N. Messaoud, A. Baraket, C. Dridi, N. Nooredeen, M. Nooredeen Abbas, J. Bausells, A. Streklas, A. Elaissari, A. Errachid, Development of a Perchlorate Chemical Sensor Based on Magnetic Nanoparticles and Silicon Nitride Capacitive Transducer, Electroanalysis 30(2018) 1 – 10 (Joint with CSIC)
UCBL	A. Moya, X. illa, G. Gimenez, Y. Lazo-Fernandez, R. Villa, A. Errachid, G. Gabriela, Miniaturized multiparametric flexible platform for the simultaneous monitoring of ionic: Application in real urine, Sensors and Actuators B: Chemical 255(2018) 2861-2870
UCBL	F. Nessark, A. Zouaoui, A. Garcia-Cruz, A. Bonhomme, M. Lee, B. Nessark, N. Zine, P. Marote, J. Bausells, A. Baraket, A. Errachid, Fabrication of new polypyrrole/silicon nitride hybrid materials for potential applications in electrochemical sensors: Synthesis and characterization, Journal of Macromolecular Science, Part A Pure and Applied Chemistry 54(2017) 827-834

	(Joint with CSIC)
UCBL	N. Hassani, A. Baraket, E. Taveira Tenório Neto, M. Lee, J.-P. Salvador, M.-P. Marco, J. Bausells, N. El Bari, B. Bouchikhi, A. Elaissari, A. Errachid, N. Zine. Novel strategy for sulfapyridine detection using a fully integrated electrochemical Bio-MEMS: Application to honey analysis. Biosensors and Bioelectronics 93 (2017) 282–288. (Joint with CSIC)
UCBL	A. Baraket, M. Lee, N. Zine, M. Sigaud, J. Bausells, A. Errachid. A fully integrated electrochemical biosensor platform fabrication process for cytokines detection. Biosensors and Bioelectronics 93 (2017) 170–175. (Joint with CSIC)
UCBL	L. Barhoumi, A. Baraket, N. Mohammed Nooredeen, M. Ben Ali, M. Nooredeen Abbas, J. Bausells, A. Errachid. Silicon nitride capacitive chemical sensor for phosphate ion detection based on copper phthalocyanine-acrylate-polymer. Electroanalysis 29 (2017) 1586–1595. (Joint with CSIC)
UCBL	R. Pruna, F. Palacio, A. Baraket, N. Zine, A. Streklas, J. Bausells, A. Errachid, M. López. A low-cost and miniaturized potentiostat for sensing of biomolecular species such as TNF- $\alpha$ by electrochemical impedance spectroscopy. Biosensors and Bioelectronics 100 (2018) 533–540. (Joint with CSIC)
UCBL	J. Gallardo-González, A. Baraket, A. Bonhomme, N. Zine, M. Sigaud, J. Bausells, A. Errachid. Sensitive potentiometric determination of amphetamine with an all-solid-state micro ion-selective-electrode. Analytical Letters, 51 (2018) 348–358. (Joint with CSIC)
<b>FORTH</b>	
FORTH	G. Karanasiou, E. Tripoliti, T. Papadopoulos, F. Kalatzis, Y. Goletsis, K. Naka, A. Bechlioulis, A. Errachid, D. Fotiadis, Predicting adherence profile of patients with heart failure through machine learning techniques, Healthcare Technology Letters (IET) Special Issue on Mobile Health, September 2016 (Joint with UCBL)
FORTH	E. Tripoliti, T. Papadopoulos, G. Karanasiou, K. Naka, D. Fotiadis, Heart Failure: Diagnosis, Severity Estimation and Prediction of Adverse Events Through Machine Learning Techniques, Computational and Structural Biotechnology Journal, November 2016.
FORTH	E. Tripoliti, G. Karanasiou, T. Kalatzis, K. Naka, D. Fotiadis, The Evolution of mHealth Solutions for Heart Failure Management, Advances in Experimental Medicine and Biology, October 2017.
<b>CSIC</b>	
CSIC	M. Bougrini, A. Baraket, T. Jamshaid, A. El aissari, J. Bausells, N. El Bari, B. Bouchikhi, N. Jaffrezic-Renault, A. Errachid, N. Zine. Development of a novel capacitance electrochemical biosensor based on silicon nitride for Ochratoxin A detection. Sensors and Actuators B, 234 (2016) 446–452. (Joint with UCBL)
CSIC	A. Baraket, M. Lee, N. Zine, N. Yaakoubi, J. Bausells, A. Errachid. A flexible electrochemical micro lab-on-chip: application to the detection of interleukin-10. Microchimica Acta, 183 (2016) 2155–2162. (Joint with UCBL)
CSIC	M. Tounsi, M. Ben Braiek, A. Baraket, M. Lee, N. Zine, M. Zabala, J. Bausells, F. Aloui, B. Ben Hassine, A. Maaref, A. Errachid. Electrochemical capacitive K <sup>+</sup> EMIS chemical sensor based on the dibromoaza[7]helicene as an ionophore for potassium ions detection. Electroanalysis, 28 (2016) 2892–2899.

	(Joint with UCBL)
<b>CSIC</b>	N. Messaoud, A. Baraket, C. Dridi, N.M. Nooredeen, M. Nooredeen Abbas, J. Bausells, A. Streklas, A. Elaissari, A. Errachid. Development of a perchlorate chemical sensor based on magnetic nanoparticles and silicon nitride capacitive transducer. Electroanalysis, accepted (DOI: 10.1002/elan.201700824). (Joint with UCBL)
<b>UMOR</b>	
<b>UMOR</b>	P. Sukul, P. Trefz, S. Kamysek, J. Schubert, W. Miekisch, Instant effects of changing body positions on compositions of exhaled breath. J Breath Res. 2015 Nov. 19;9(4):047105.
<b>UMOR</b>	P. Sukul, J. Schubert, P. Oertel, S. Kamysek, K. Taunk, P. Trefz, W. Miekisch, FEV manoeuvre induced changes in breath VOC compositions: an unconventional view on lung function tests. Sci Rep. 2016 Jun 17;6:28029.
<b>UMOR</b>	P. Trefz, S. Kamysek, P. Fuchs, P. Sukul, J. Schubert, W. Miekisch, Drug detection in breath: non-invasive assessment of illicit or pharmaceutical drugs. J Breath Res. 2017 Mar 20;11(2):024001.
<b>UMOR</b>	P. Sukul, P. Oertel, S. Kamysek, P. Trefz, Oral or nasal breathing? Real-time effects of switching sampling route onto exhaled VOC concentrations. J Breath Res. 2017 Mar 21;11(2):027101.
<b>UMOR</b>	P. Sukul, J. Schubert, S. Kamysek, P. Trefz, W. Miekisch, Applied upper-airway resistance instantly affects breath components: a unique insight into pulmonary medicine. J Breath Res. 2017 Nov 1;11(4):047108.
<b>UNIFI</b>	
<b>UNIFI</b>	S. Ghimenti, T. Lomonaco, F. Bellagambi, S. Tabucchi, M. Onor, M. Trivella, A. Ceccarini, R. Fuoco, F. Di Francesco, Comparison of sampling bags for the analysis of volatile organic compounds in breath. J Breath Res 2015;9:047110.
<b>UNIFI</b>	T. Lomonaco, P. Salvo, S. Ghimenti, D. Biagini, F. Bellagambi, R. Fuoco, F. Di Francesco, A breath sampling system assessing the influence of respiratory rate on exhaled breath composition. Conf Proc IEEE Eng Med Biol Soc 2015;2015:7618–21.
<b>UNIFI</b>	A. Longo, A. Baraket, M. Vatteroni, N. Zine, J. Bausells, R. Fuoco, F. Di Francesco, G. Karanasiou, D. Fotiadis, A. Menciassi, A. Errachid, Highly Sensitive Electrochemical BioMEMS for TNF- $\alpha$ Detection in Human saliva: Heart Failure. Proc. Eng 2016;168:97–100. (Joint with CSIC, FORTH, UCBL)
<b>UNIFI</b>	D. Biagini, T. Lomonaco, S. Ghimenti, F. Bellagambi, M. Onor, M. Scali, V. Barletta, M. Marzilli, P. Salvo, M. Trivella, R. Fuoco, F. Di Francesco, Determination of volatile organic compounds in exhaled breath of heart failure patients by needle trap micro-extraction coupled with gas chromatography-tandem mass spectrometry. J Breath Res 2017;11:047110.
<b>UNIFI</b>	T. Lomonaco, S. Ghimenti, D. Biagini, E. Bramanti, M. Onor, R. Fuoco, F. Di Francesco, The effect of sampling procedures on the urate and lactate concentration in oral fluid. Microchem J 2018;136:255–62.
<b>UNIFI</b>	F.G. Bellagambi, A. Baraket, A. Longo, M. Vatteroni, N. Zine, J. Bausells, R. Fuoco, F. Di Francesco, P. Salvo, G.S. Karanasiou, D.I. Fotiadis, A. Menciassi, A. Errachid. Electrochemical biosensor platform for TNF- $\alpha$ cytokines detection in both artificial and human saliva: Heart failure. Sensors and Actuators B, 251 (2017) 1026–1033. (Joint with UCBL, CSIC and FORTH)
<b>SAS</b>	
<b>SAS</b>	A. Martínez-García, S. Rodríguez-Suarez, R. Fuoco, S. Ghimenti, F. Bellagambi, T. Lomonaco, P. Rivas-Cobas, P. García-Ocaña, C. Parra-Calderón, Clinical protocol to evaluate a mHealth environment for HF patients. International Journal of Technology

	Assessment in Health Care. Under review. (Joint with UNIP)
<b>EVERIS</b>	
<b>EVERIS</b>	R. Ordóñez-Benavente, A. Martínez-García, G. Karanasiou, D. Fotiadis, A. Errachid, Take Heart, Take Heed: HEARTEN Project develops a co-operative mHEALTH environment targeting adherence and management of patients suffering from Heart Failure, Pan European Networks, Health Issue, June 2017, pages 174-175 (Joint with FORTH, UCBL)

#### 1.1.4.2 Conference publications

The publications that have been accepted and presented in National and International conferences from M1-M39 are presented in Table 4.

**Table 4:** Conference publications per partner (M1-M39).

Partner	Title
<b>UCBL</b>	
<b>UCBL</b>	A. Errachid, Real time monitoring of SEA contaminants by an autonomous lab-on-a-chip biosensor, THE 15 <sup>th</sup> International Multiconference on System, Signals & Devices, March 1ç-22, 2018, Mammamet, Tunisie, Keynote Lecture
<b>UCBL</b>	A. Errachid, Low cost fabrication of BioLab on Chip devices for biomedical Applications 10th International Workshop on Impedance Spectroscopy, September 26-29 2017, Plenary Lecture
<b>UCBL</b>	J. Gallardo-González, A. Baraket, S. Boudjaoui, Y. Clément, A. Alcácer, A. Streklas, F. Teixidor, N. Zine, J. Bausells, A. Errachid (2017). A highly sensitive potentiometric amphetamine microsensor based on all-solid-state membrane using a new Ion-Par complex, [3,3'-Co(1,2-closo-C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> ) <sub>2</sub> ] <sup>-</sup> C <sub>9</sub> H <sub>13</sub> NH <sup>+</sup> . In proceedings of 31 <sup>st</sup> Eurosensors 2017, Paris, France.
<b>UCBL</b>	F. Nessark, P. Marote, A. Bonhomme, A. Baraket, N. Zine, J. Bausells, A. Errachid. A novel immunosensor based on polypyrrole electroless deposition on silicon nitride substrates: Interleukine-10 detection, 26 <sup>th</sup> World Congress on Biosensors, Gothenburg, Sweden, May 2016.
<b>UCBL</b>	A. Baraket, M. Lee, N. Zine, M. Sigaud, M. Zabala, J. Bausells, A. Errachid. A fully integrated electrochemical BioMEMS fabrication process for cytokine detection: Application for heart failure. 26 <sup>th</sup> World Congress on Biosensors, Gothenburg, Sweden, May 2016.
<b>UCBL</b>	M. Bougrini, A. Baraket, T. Jamshaid, A. Elaissari, N. El Bari, B. Bouchikhi, J. Bausells, N. Jaffrezic-Renault, A. Errachid, N. Zine. A highly sensitive and selective capacitance electrochemical biosensor for ochratoxin A detection based on magnetic nanoparticles modified silicon nitride substrate, 26 <sup>th</sup> World Congress on Biosensors, Gothenburg, Sweden, May 2016.
<b>UCBL</b>	A. Alcacer, A. Streklas, A. Baraket, N. Zine, A. Errachid, J. Bausells (2017). Development of biosensors for non-invasive measurements of heart failure biomarkers in saliva. In proceedings of SPIE Microtechnologies (Smart Sensors, Actuators, and MEMS VIII), Barcelona, Spain.
<b>FORTH</b>	
<b>FORTH</b>	G. Karanasiou, E. Tripoliti, F. Kalatzis, G. Rigas, A. Errachid, D.I. Fotiadis, HEARTEN: the Heart Failure Knowledge Management System, 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2016.
<b>FORTH</b>	G. Karanasiou, E. Tripoliti, F. Kalatzis, A. Errachid, D. Fotiadis, The evolution of mHealth interventions in Heart Failure, XIV Mediterranean Conference on Medical and Biological Engineering and Computing, Medicon 2016.



<b>FORTH</b>	G. Karanasiou, F. Kalatzis, E. Tripoliti, A. Errachid, M. Trivella, R. Fuoco, F. Francesco, M. Marzilli, A. Martínez-García, C. Parra-Calderón, J. Schubert, W. Miekisch, J. Bausells, T. Exarchos, D. Fotiadis, A preliminary presentation of a mobile co-operative platform for Heart Failure self-management, 15th IEEE International Conference on Bioinformatics and Bioengineering, BIBE 2015.
<b>FORTH</b>	E. Tripoliti, T. Papadopoulos, G. Karanasiou, F. Kalatzis, A. Bechlioulis, Y. Goletsis, K. Naka, D. Fotiadis, Estimation of New York Heart Association class in Heart Failure Patients Based on Machine Learning Techniques, 4th IEEE International Conference on Biomedical and Health Informatics, BHI 2017.
<b>FORTH</b>	E. Tripoliti, T. Papadopoulos, G. Karanasiou, F. Kalatzis, Y. Goletsis, K. Naka, A. Bechlioulis, S. Ghimenti, T. Lomonaco, F. Bellagambi, R. Fuoco, M. Marzilli, M. Scali, A. Errachid, D. Fotiadis, Estimation of heart failure patients' medication adherence through the utilization of saliva and breath biomarkers and data mining techniques", 30th IEEE International Symposium on Computer-Based Medical Systems, CBMS 2017.
<b>FORTH</b>	E. Tripoliti, T. Papadopoulos, G. Karanasiou, F. Kalatzis, Y. Goletsis, S. Ghimenti, T. Lomonaco, F. Bellagambi, M. Trivella, R. Fuoco, M. Marzilli, M. Scali, A. Errachid, D. Fotiadis, A Computational Approach for the Estimation of Heart Failure Patients Status Using Saliva Biomarkers, 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2017.
<b>FORTH</b>	E. Tripoliti, T. Papadopoulos, G. Karanasiou, F. Kalatzis, Y. Goletsis, K. Naka, A. Bechlioulis, S. Ghimenti, T. Lomonaco, F. Bellagambi, R. Fuoco, M. Marzilli, M. Scali, A. Errachid, D. Fotiadis, Predicting Heart Failure patient events by exploiting saliva and breath biomarkers information, 17th annual IEEE International Conference on Bioinformatics and BioEngineering, BIBE 2017.
<b>FORTH</b>	G. Karanasiou, E. Tripoliti, Y. Goletsis, F. Kalatzis, K. Naka, R. Fuoco, W. Miekisch, K. Tzannetis, S. Zervos, J. Bausells, A. Errachid, D. Fotiadis, HEARTEN: An integrated mHealth platform for holistic HF management, Proceedings of the IEEE Conference on Biomedical and Health Informatics, BHI2018.
<b>CSIC</b>	
<b>CSIC</b>	A. Alcacer, A. Streklas, S. Boudjaoui, A. Baraket, N. Zine, A. Errachid, J. Bausells. Three metal-layer interdigitated microelectrodes for multiple gas sensing measurements. 42 <sup>nd</sup> International Conference on Micro and Nano Engineering (MNE 2016), Vienna, Austria, September 2016.
<b>CSIC</b>	J. Bausells. Aplicaciones móviles y biosensors en insuficiencia cardíaca: proyecto HEARTEN (Mobile applications and biosensor in heart failure: HEARTEN project). Annual Conference of the Spanish Society of Cardiology (SEC 2016), Zaragoza, Spain, October 2016.
<b>CSIC</b>	A. Alcacer, A. Streklas, A. Baraket, N. Zine, A. Errachid, J. Bausells (2017). Development of biosensors for non-invasive measurements of heart failure biomarkers in saliva. In proceedings of SPIE Microtechnologies (Smart Sensors, Actuators, and MEMS VIII), Barcelona, Spain.
<b>CSIC</b>	J. Gallardo-González, A. Baraket, S. Boudjaoui, Y. Clément, A. Alcácer, A. Streklas, F. Teixidor, N. Zine, J. Bausells, A. Errachid (2017). A highly sensitive potentiometric amphetamine microsensor based on all-solid-state membrane using a new Ion-Par complex, $[3,3'\text{-Co}(1,2\text{-closo-C}_2\text{B}_9\text{H}_{11})_2]^- \text{C}_9\text{H}_{13}\text{NH}^+$ . In proceedings of 31 <sup>st</sup> Eurosensors 2017, Paris, France.
<b>CSIC</b>	R. Pruna, F. Palacio, A. Baraket, J. Bausells, A. Errachid, M. López (2017). Low-cost impedance measurements for Lab-on-a-Chip architectures: towards potentiostat miniaturization. In proceedings of 31 <sup>st</sup> Eurosensors 2017, Paris, France.
<b>CSIC</b>	S. Boudjaoui, M. Mateos, A. Baraket, N. Zine, M. Sigaud, L. Fakri-Bouchet, A. Alcacer, A. Streklas, J. Bausells, A. Errachid (2017). Acetone sensor based on electro-addressing

	chitosan/zeolites Ag-ZSM5 onto gold $\mu$ IDEs: application to diagnostic of heart failure. In proceedings of the 43 <sup>rd</sup> International Conference on Micro and Nano Engineering (MNE 2017), Braga, Portugal.
<b>CSIC</b>	J. Gallardo-González, S. Boudjaoui, A. Baraket, Y. Clément, N. Zine, J. Bausells, A. Errachid (2017). PDMS-based microfluidic Lab-on-Chip for real-time electrochemical measurements in sewage applications. In proceedings of the 43 <sup>rd</sup> International Conference on Micro and Nano Engineering (MNE 2017), Braga, Portugal.
<b>UMOR</b>	
<b>UMOR</b>	P. Sukul, P. Trefz, K. Schubert, W. Miekisch (2015). Immediate effects of body position onto exhaled VOC profiles. International Association of Breath Research (IABR) Vienna, Austria.
<b>UMOR</b>	P. Sukul, P. Trefz, J. Schubert, W. Miekisch (2015). Real-Time PTR-TOF-MS Measurements Reveal Effects of Respiratory Maneuvers onto Exhaled Breath Biomarker Profiles (2016). PITTCON Conference and Expo, Atlanta, USA.
<b>UMOR</b>	P. Sukul, P. Trefz, J. Schubert, W. Miekisch, (2016). Breath analysis: A promise to non-invasive clinical diagnosis? Metabolomics and Volatomics towards disease markers, Pune, India
<b>UMOR</b>	P. Sukul, P. Trefz, J. Schubert, W. Miekisch(2016). Physiological influences on real-time breath biomarker profiles. 2nd European-Indian (New Indigo-HCV) Meeting, Rostock, Germany.
<b>UMOR</b>	P. Sukul, P. Trefz, J. Schubert, W. Miekisch (2016). Breath biomarker profiles during FEV1 and Tiffeneau tests. International Association of Breath Research (IABR), Zurich, Switzerland
<b>UMOR</b>	P. Sukul, P. Trefz, J. Schubert, W. Miekisch (2017). Online PTR-ToF-MS Applications Reveal the Influence of Oral and Nasal Routes of Breathing on Exhaled VOC Profiles, PITTCON Conference and Expo. Chicago, USA
<b>UMOR</b>	P. Sukul, P. Trefz, J. Schubert, W. Miekisch (2017). Role of respiratory physiology on real-time breath-gas analysis. European Respiratory Society Congress. Milan, Italy.
<b>UNIFI</b>	
<b>UNIFI</b>	P. Salvo, T. Lomonaco, S. Ghimenti, F. Bellagambi, R. Fuoco, F. Di Francesco, Saliva and breath analysis for healthcare. Conference proceedings: 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 16–20 August 2016, Orlando (FL, USA)
<b>UNIFI</b>	V. Barletta, L. Gargani, A. D'Agostino, M. Scali, F. Bellagambi, T. Lomonaco, S. Ghimenti, R. Fuoco, M. Marzilli. Monitoring patients with acute heart failure: alternative non-invasive methods. Conference paper: EuroEcho-Imaging 2017 (European Society of Cardiology, ESC), 6–9 December 2017, Lisbon (Portugal)
<b>SAS</b>	
<b>SAS</b>	A. Martínez-García, S. García Morillo, S. Rodríguez Suarez, G. Karanasiou, D. Fotiadis, R. Fuoco, W. Miekisch, C. Luís Parra Calderón. PROYECTO HEARTEN: ECOSISTEMA MHEALTH PARA PACIENTES CON INSUFICIENCIA CARDÍACA CRÓNICA. SALUD CONECTADA: II Congreso Iberoamericano de Telesalud y Telemedicina, XIII Reunión del Foro de Telemedicina de la SEIS, XII Reunión del Fórum Ibérico de Telemedicina. November 2015. Seville, Spain.

### 1.1.5 Poster presentations

Several posters have been created and presented in different events and conferences. Individual posters have been created by each HEARTEN partner. The posters include the technical and scientific achievements and the progress of the project. An overview of the HEARTEN posters and the events in which these have been presented is presented in Table 5.



**Table 5:** Poster presentations per partner (M1-M39).

Partner	Event, Date, Place	No of posters	Target audience
<b>UCBL</b>			
UCBL	31 <sup>st</sup> Eurosensors 2017, Paris, France.	2	Biosensor expert
UCBL	43 <sup>rd</sup> International Conference on Micro and Nano Engineering (MNE 2017), Braga, Portugal.	2	Material, biosensor, devices and micro&nanotechnology experts
<b>EVERIS</b>			
EVERIS	HEARTEN: A co-operative mHEALTH environment targeting adherence and management of patients suffering from Heart Failure”. I Congress on Coordination and Management of EU-funded Health Research Projects, Valencia, 8th November 2016.	1	Researchers, R&D managers, Companies, European Commission Representatives
EVERIS	Integrating a mHEALTH application into the EHR Ecosystem of Andalusian Health Public System. Informatics for Health Congress 2017, 24 – 26 April 2017, Manchester United, Kingdom	1	Academics, health professionals and industry partners.
<b>FORTH</b>			
FORTH	HEARTEN: the Heart Failure Knowledge Management System, 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'16), Florida USA, August 2016.	1	Experts in wearable biomedical sensors & systems, in therapeutic & diagnostic systems, in devices and technologies, in clinical engineering, in biomedical and health informatics
FORTH	Estimation of New York Heart Association class in Heart Failure Patients Based on Machine Learning Techniques, IEEE International Conference on Biomedical and Health Informatics (BHI2017), Florida, February 2017.	1	Experts in information technologies for healthcare delivery and management, in healthcare communication networks, in knowledge discovery and decision support, in translational bioinformatics
FORTH	HEARTEN:, International Conference and exhibition on nanotechnologies 2016, Thessaloniki, Greece, July 2016	1	Material, biosensor, wearable devices and bioinformatics experts
<b>CSIC</b>			
CSIC	26 <sup>th</sup> World Congress on Biosensors, Gothenburg, Sweden, May 2016.	3	Biosensor experts
CSIC	42 <sup>nd</sup> International Conference on Micro and Nano Engineering (MNE 2016), Vienna, Austria, September 2016.	1	Microtechnology and microsensor experts
CSIC	31 <sup>st</sup> Eurosensors 2017, Paris, France.	2	Sensors and microsystems experts
CSIC	43 <sup>rd</sup> International Conference on Micro and Nano Engineering (MNE	2	Microtechnology and microsensor experts

	2017), Braga, Portugal.		
<b>UNIPi</b>			
<b>UNIPi</b>	<p>EuroAnalysis 2015 - 18th edition of The European Conference on Analytical Chemistry, 6–10 September 2015, Bordeaux (France).</p> <p>Alveolar breath analysis by needle trap micro extraction technique coupled with gas chromatography/tandem mass spectrometry.</p> <p>Influence of the sampling procedure on the concentration of uric acid in oral fluid.</p>	2	Analytical chemists
<b>UNIPi</b>	<p>XXV National Congress of the Italian Chemical Society – Analytical Division (SCI), 13–17 September 2015, Trieste (Italy)</p> <p>Alveolar breath analysis by needle trap micro extraction technique coupled with gas chromatography/tandem mass spectrometry.</p> <p>Influence of the sampling procedure on the concentration of uric acid in oral fluid.</p>	2	Analytical chemists
<b>UNIPi</b>	<p>International Association of Breath Research (IABR) Summit 2015, 6–10 September 2015, Wien (Austria)</p> <p>A co-operative mHealth environment targeting adherence and management of patients suffering from heart failure.</p> <p>Alveolar breath analysis by needle trap micro extraction technique coupled with gas chromatography/tandem mass spectrometry.</p> <p>Impact of the breathing pattern on the measured concentration of volatiles in breath.</p>	3	Breath analysts
<b>UNIPi</b>	38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society,	1	Engineers, chemists, clinicians, biologists

	16–20 August 2016, Orlando (Florida, USA)  Saliva and Breath Analysis for Healthcare.		
<b>UNIP</b>	XXVI National Congress of the Italian Chemical Society – Analytical Division (SCI), 18–22 September 2016, Giardini Naxos, Messina (Italy)  Determination of aldosterone, cortisol, and 8-iso-PGF2a in oral fluid samples by UHPLC-MS/MS.  Needle trap micro-extraction: an innovative approach for the one-step sampling and pre-concentration of volatile organic compounds in exhaled breath.	2	Analytical chemists
<b>UNIP</b>	Colloquium Spectroscopicum Internationale XL, 11–16 June 2017 Pisa (Italy)  On-sorbent derivatization of carbonyl compounds in exhaled breath.	1	Chemists, physics, engineers
<b>UNIP</b>	XXVI National Congress of the Italian Chemical Society (SCI), 10–14 September 2017, Paestum (Italy)  Determination of volatile organic compounds in exhaled breath of heart failure patients by Needle Trap Micro-Extraction coupled to GC-MS/MS.	1	Chemists
<b>UNIP</b>	EuroEcho-Imaging 2017 (European Society of Cardiology, ESC), 6–9 December 2017, Lisbon (Portugal)  Monitoring patients with acute heart failure: alternative non-invasive methods.	1	Health specialized scientific community, cardiovascular imaging experts
<b>SAS</b>			
<b>SAS</b>	XXXVI Congreso Nacional de la Sociedad Española de Medicina Interna (SEMI), November 2015, Seville, Spain.	1	Health professionals, health authorities, health investors
<b>SAS</b>	15th European Congress of Internal Medicine, September 2016, Amsterdam.	1	Health professionals, health authorities, health investors
<b>SAS</b>	27th Medical Informatics Europe	1	Medical informatics professionals

	Conference, April 2017, Manchester.		
<b>SAS</b>	XXXIII Congreso Sociedad Andaluza de Medicina Interna, Juny 2017, Córdoba, Spain.	4	Health professionals, health authorities, health investors
<b>YOURDATA</b>			
<b>YOURDATA</b>	SINNOVA 2016 – 4 <sup>th</sup> Sardinian Innovation Fair, October 2016, Cagliari	1	Institutions, professionals, general public
<b>YOURDATA</b>	SINNOVA 2017 – 5 <sup>th</sup> Sardinian Innovation Fair, October 2017, Cagliari	1	Institutions, professionals, general public

### 1.1.6 Project presentations

The main purpose of the project presentations is to provide up-to-date information to interested audience regarding the activities and the progress of the project. HEARTEN Consortium has performed several presentations targeting a diversity of stakeholders and end-users as presented in Table 6.

**Table 6:** Project presentations per partner (M1-M39).

Partner	Event, Date, Place	Size of audience	Target audience
<b>UCBL</b>			
<b>UCBL</b>	31 <sup>st</sup> Eurosensors 2017, Paris, France	400	Researchers from research institutions, universities and industry
<b>UCBL</b>	the 43 <sup>rd</sup> International Conference on Micro and Nano Engineering (MNE 2017), Braga, Portugal	300	Researchers from research institutions, universities and industry
<b>UCBL</b>	10 th ineternational workshop on impedance, September 26-29, 2017, Shemnitz, Germany	170	Researchers from research institutions, universities and industry
<b>UCBL</b>	Les rendez-vous du capteurs, June, 14, 2017, Angers, France	120	Researchers from research institutions, universities and industry
<b>EVERIS</b>			
<b>EVERIS</b>	ehCOS Week, September 26 <sup>th</sup> to 30 <sup>th</sup> 2016, Valencia, Spain.	50	Health Directors and Managers of everis, Healthcare Managers of our network of customers
<b>EVERIS</b>	XX National Congress of Hospitals and Healthcare management, 29 <sup>th</sup> – 31 <sup>st</sup> March 2017, Seville, Spain	> 1000	Healthcare stakeholders
<b>EVERIS</b>	HEALTHIO, 3 <sup>rd</sup> –5 <sup>th</sup> May 2017, Barcelona, Spain	> 1000	Patients, Healthcare professionals, Pharmaceutical companies,

			Enterprises
<b>EVERIS</b>	II National Health Hackathon, 9 <sup>th</sup> –10 <sup>th</sup> June 2017, Madrid, Spain	> 100	Healthcare stakeholders, health IT developers
<b>APPART</b>			
<b>APPART</b>	Corporate Meeting with Alpha Bank	3	Financial Organization
<b>APPART</b>	Corporate Meeting with Eurobank	4	Financial Organization
<b>APPART</b>	Corporate Meeting with SingularLogic	3	Software Vendor, Integrated IT Solutions Group, part of a group of companies operating also in the private healthcare sector.
<b>FORTH</b>			
<b>FORTH</b>	2nd EAI International Conference on Future Access Enablers of Ubiquitous and Intelligent Infrastructures (Fabulous 2016), October 2016, Belgrade, Serbia.	50	Researchers from research institutions, universities and industry, as well as innovators and entrepreneurs
<b>FORTH</b>	The evolution of mHealth interventions in Heart Failure: A Review and Framework for Development, XIV Mediterranean Conference on Medical and Biological Engineering and Computing (Medicon 2016), Cyprus, April 2016.	250	Bioinstrumentation experts, Biosensors experts, Bioinformaticians, Diagnostic Systems and Devices experts, mHealth experts
<b>FORTH</b>	A preliminary presentation of a mobile co-operative platform for Heart Failure self-management, 15th International Conference on Bioinformatics and Bioengineering (BIBE 2015), November 2015.	200	Data mining experts, bioinformaticians
<b>FORTH</b>	Estimation of heart failure patients medication adherence through the utilization of saliva and breath biomarkers and data mining techniques, 30th IEEE International Symposium on Computer-Based Medical Systems - IEEE (CBMS 2017), Thessaloniki, June 2017.	300	Data analysts, Knowledge Discovery experts, Clinical and Healthcare Services experts, Medical Devices experts
<b>FORTH</b>	A Computational Approach for the Estimation of Heart Failure Patients Status Using Saliva Biomarkers, 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2017), Korea, July 2017.	1500	Biomedical and Health Informatics experts, Translational Engineering for Healthcare Innovation & Commercialization experts, Bioinformaticians
<b>FORTH</b>	Predicting Heart Failure patient events by exploiting saliva and breath biomarkers information, 17th annual IEEE International	150	Experts in data mining and Decision Support Systems

	Conference on BioInformatics and BioEngineering (BIBE 2017), Washington, October 2017.		
<b>FORTH</b>	Data mining in medical informatics, 16th International Summer School on Biocomplexity, Biodesign Bioinnovation, Biomanufacturing & Bioentrepreneurship	40	Students in the field of biomedical engineering and bioinformatics
<b>FORTH</b>	Project presentation, National University Health System (NUHS) in Singapore, September 2017.	20	Healthcare professionals, Experts in clinical management
<b>FORTH</b>	An integrated mHealth platform for holistic HF management, Proceedings of the IEEE Conference on Biomedical and Health Informatics, BHI2018.	450	Experts in information technologies for healthcare delivery and management, in healthcare communication networks, in knowledge discovery and decision support, in translational bioinformatics
<b>CSIC</b>			
<b>CSIC</b>	Mobile applications and biosensor in heart failure: HEARTEN project, Annual Conference of the Spanish Society of Cardiology (SEC 2016), Zaragoza, Spain, October 2016.	100 (direct)/4 000 (access to presentation)	Cardiologists and cardiology-related healthcare specialists
<b>CSIC</b>	A novel immunosensor based on polypyrrole electroless deposition on silicon nitride substrates: Interleukine-10 detection. 26 <sup>th</sup> World Congress on Biosensors, Gothenburg, Sweden, May 2016.	500	Biosensor experts
<b>CSIC</b>	A fully integrated electrochemical BioMEMS fabrication process for cytokine detection: Application for heart failure. 26 <sup>th</sup> World Congress on Biosensors, Gothenburg, Sweden, May 2016.	500	Biosensor experts
<b>CSIC</b>	A highly sensitive and selective capacitance electrochemical biosensor for ochratoxin A detection based on magnetic nanoparticles modified silicon nitride substrate. 26 <sup>th</sup> World Congress on Biosensors, Gothenburg, Sweden, May 2016.	500	Biosensor experts
<b>CSIC</b>	Three metal-layer interdigitated microelectrodes for multiple gas sensing measurements. 42 <sup>nd</sup> International Conference on Micro and Nano Engineering (MNE 2016), Vienna, Austria, September 2016.	500	Microtechno-logy and sensor experts
<b>CSIC</b>	Development of biosensors for non-invasive	150	Microtechno-logy and

	measurements of heart failure biomarkers in saliva. SPIE Microtechnologies (Smart Sensors, Actuators, and MEMS VIII) 2017), Barcelona, Spain.		sensor experts
<b>CSIC</b>	A highly sensitive potentiometric amphetamine microsensor based on all-solid-state membrane using a new Ion-Par complex, $[3,3'\text{-Co}(1,2\text{-closo-C}_2\text{B}_9\text{H}_{11})_2]^- \text{C}_9\text{H}_{13}\text{NH}^+$ . 31 <sup>st</sup> Eurosensors 2017, Paris, France.	400	Researchers from research institutions, universities and industry
<b>CSIC</b>	Low-cost impedance measurements for Lab-on-a-Chip architectures: towards potentiostat miniaturization. 31 <sup>st</sup> Eurosensors 2017, Paris, France.	400	Researchers from research institutions, universities and industry
<b>CSIC</b>	Acetone sensor based on electro-addressing chitosan/zeolites Ag-ZSM5 onto gold $\mu$ IDEs: application to diagnostic of heart failure. 43 <sup>rd</sup> International Conference on Micro and Nano Engineering (MNE 2017), Braga, Portugal.	700	Microtechno-logy and sensor experts
<b>CSIC</b>	PDMS-based microfluidic Lab-on-Chip for real-time electrochemical measurements in sewage applications. 43 <sup>rd</sup> International Conference on Micro and Nano Engineering (MNE 2017), Braga, Portugal.	700	Microtechno-logy and sensor experts
<b>UMOR</b>			
<b>UMOR</b>	Real-time monitoring of breath biomarkers by PTR-ToF-MS reveals effects of physiology on VOC patterns. Marie-Curie-PIMMS- Molecular Physics Workshop, Normandy, France, May, 2015	50	Scientists from several disciplines (biomedical, chemistry, engineering, environmental, technical...).
<b>UNIFI</b>			
<b>UNIFI</b>	Amici del Cuore-Pisa Meeting, 17 February 2017, Pisa (Italy)	80	Local association of cardiopathic and heart failure patients
<b>UNIFI</b>	37 <sup>th</sup> Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 25–29 August 2015, Milan (Italy)	> 500	Chemists, physics, engineers, clinicians
<b>UNIFI</b>	XXV National Congress of the Italian Chemical Society – Analytical Division (SCI), 13–17 September 2015, Trieste (Italy)	> 500	Chemists
<b>UNIFI</b>	38 <sup>th</sup> Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 16–20 August 2016, Orlando (Florida, USA)	> 1000	Chemists, physics, engineers, clinicians
<b>UNIFI</b>	Chemistry for the Future, CFF 2016, 7–9 September 2016, Pisa (Italy)	> 200	Chemists
<b>UNIFI</b>	XXVI National Congress of the Italian Chemical Society – Analytical Division (SCI), 18–22 September 2016, Giardini Naxos, Messina (Italy)	> 500	Chemists

<b>UNIFI</b>	BRIGHT: Researchers' Night, 30 September 2016, Pisa (Italy)	200	Anyone
<b>UNIFI</b>	6 <sup>th</sup> EAI International Conference on Wireless Mobile Communication and Healthcare -EU e-Health projects, 17 November 2016, Milan (Italy)	100	Expert participant in EU projects on e-Health
<b>UNIFI</b>	National Cardiology Meeting, 25-28 September 2017, Milan (Italy)	200	Cardiology specialists
<b>UNIFI</b>	BRIGHT: Researchers' Night, 29 September 2017, Pisa (Italy)	200	Anyone
<b>UNIFI</b>	"Harmonize clinical research and practice to improve prevention and care of cardiovascular disease" cardiology meeting, 24-25 November 2017, Milan (Italy)	200	Cardiology specialists, cardiovascular disease specialists
<b>SAS</b>			
<b>SAS</b>	VRUH Internal Medicine Professionals	50	Internal Medicine Professionals
<b>SAS</b>	Andalusian Science Week Open Days	180	Health engineering students
<b>SAS</b>	Bridging the gap between companies and students	10	Health engineering students
<b>SAS</b>	Innovation Sessions in Virgen del Rocío University Hospital	120	Healthcare Professionals
<b>YOURDATA</b>			
<b>YOURDATA</b>	SINNOVA 2015 – 3 <sup>rd</sup> Sardinian Innovation Fair, July 2015, Cagliari	1000	Institutions, professionals, general public
<b>YOURDATA</b>	Lean LaunchPad Pilot, February 2016, Rome	30	Investors
<b>YOURDATA</b>	SINNOVA 2016 – 4 <sup>th</sup> Sardinian Innovation Fair, October 2016, Cagliari	1000	Institutions, professionals, general public
<b>YOURDATA</b>	SINNOVA 2017 – 5 <sup>th</sup> Sardinian Innovation Fair, October 2017, Cagliari	1000	Institutions, professionals, general public
<b>CAREDOME</b>			
<b>CAREDOME</b>	Company Visit at Abbvie Pharmaceuticals, Greece (M1)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Novartis, Greece (M2)	3	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at UCB, Greece (M2)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Bristol-Myers Squibb, Greece (M2)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Roche, Greece (M2)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Novo Nordisk, Greece (M2)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Cardiologists, Greece (M2)	5	Healthcare Professionals
<b>CAREDOME</b>	Company Visit at Bayer, Greece (M3)	2	Pharmaceutical



			Industry
<b>CAREDOME</b>	Company Visit at Amgen, Greece (M3)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Takeda, Greece (M3)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Novartis, Portugal (M3)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Pfizer, Greece (M3)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at MSD, Greece (M3)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at Boehringer Ingelheim, Greece (M4)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at Gilead Sciences, Greece (M6)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Teva Pharmaceuticals, Portugal (M7)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Abbvie Pharmaceuticals, Greece (M14)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Roche, Portugal (M14)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Roche, Greece (M14)	3	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Pfizer, Portugal (M14)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Novartis, Greece (M15)	3	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at UCB, Greece (M15)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Novartis, Portugal (M16)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Bayer, Greece (M16)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Bayer, Portugal (M17)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Pfizer, Greece (M17)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Amgen, Greece (M18)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Novartis, Greece (M21)	3	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Novartis, Portugal (M21)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Roche, Portugal (M22)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Roche, Greece (M22)	3	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at MSD, Portugal (M23)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at MSD, Greece (M23)	1	Pharmaceutical

			Industry
<b>CAREDOME</b>	Company visit at Shire, Greece (M25)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at BIOIATRIKI, Greece (M25)	3	Diagnostic Center
<b>CAREDOME</b>	Company visit at EMRI, Greece (M25)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit to Novartis, Portugal (M25)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Novartis USA, Remote Meeting, USA (M25)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit to Interamerican, Greece (M25)	1	Private Insurance
<b>CAREDOME</b>	Company visit to Novartis, Greece (M25)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at Baxalta, Greece (M25)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company Visit at Teva Pharmaceuticals, Portugal (M26)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at MSD, Portugal (M26)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Interview meeting to Pharmaboardroom, UK, Meeting in Greece, United Kingdom (M26)	2	Media
<b>CAREDOME</b>	Company Visit at Vodafone, Greece (M26)	2	Telecom Provider
<b>CAREDOME</b>	Company visit at MSD, Greece (M26)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at Pharmathen, Greece (M27)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at Boehringer Intelheim, Portugal (M27)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at Merk, Greece (M27)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at PROSYFAPE, Greece (M27)	5	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at UCB, Greece (M27)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at BIOIATRIKI, Greece (M28)	3	Diagnostic Center
<b>CAREDOME</b>	Company visit at EUROMEDICA, Greece (M28)	3	Diagnostic Center
<b>CAREDOME</b>	Company visit at Lilly, Greece (M28)	2	Pharmaceutical Industry
<b>CAREDOME</b>	Company visit at Boehringer Intelheim, Greece (M28)	1	Pharmaceutical Industry
<b>CAREDOME</b>	Meeting, Portugal (M21-M24)	31	Cardiologists
<b>CAREDOME</b>	Meeting, Greece (M21-M24)	18	Cardiologists
<b>CAREDOME</b>	Company visit at Sanofi, Bulgaria (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Phillips, Greece (M31)	1	Medical Devices
<b>CAREDOME</b>	Company visit at MSD, Greece (M31)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M31)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Baxalta, Greece (M31)	2	Pharmaceutical

			Company
<b>CAREDOME</b>	Company visit at UCB, Greece (M31)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Pharmathen, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novo Nordisk, Greece (M31)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Abbvie, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Pfizer, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Janssen, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at ELPEN, Greece (M31)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Bayer, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Astellas, Greece (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Portugal (M31)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Sanofi, Portugal (M31)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Bayer, Portugal (M31)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Pharmathen, Greece (M32)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M33)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at GSK, Greece (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Shire, Greece (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M33)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Angelini, Greece (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Pharmathen, Greece (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Abbvie, Greece (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Pfizer, Greece (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at L'Oreal, Greece (M33)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at ITF Pharmaceuticals, Greece	1	Pharmaceutical

	(M33)		Company
<b>CAREDOME</b>	Company visit at Novartis, Portugal (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Portugal (M33)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at UCB, Bulgaria (M34)	5	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Abbott, Greece (M34)	4	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at UCB, Greece (M34)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M34)	4	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at GSK, Greece (M34)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M34)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Sanofi, Greece (M34)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Merk, Greece (M34)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Abbvie, Greece (M34)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Rafarm, Greece (M34)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Ferring, Greece (M34)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Attika, Greece (M34)	3	Private Bank
<b>CAREDOME</b>	Company visit at Eurobank, Greece (M34)	3	Private Bank
<b>CAREDOME</b>	Company visit at Interamerican, Greece (M34)	2	Private Insurance
<b>CAREDOME</b>	Company visit at Eyropaiki Pisti, Greece (M34)	2	Private Insurance
<b>CAREDOME</b>	Company visit at Novartis, Portugal (M34)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novo Nordisk, Portugal (M34)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M35)	5	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at UCB, Greece (M35)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Merk, Greece (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Genesis, Greece (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M35)	1	Pharmaceutical

			Company
<b>CAREDOME</b>	Company visit at Vianex, Greece (M35)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Superfoods, Greece (M35)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Shire, Greece (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Pfizer, Greece (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at ELPEN, Greece (M35)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Portugal (M35)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at MSD, Portugal (M35)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at HealthBeacon, UK (M35)	1	Medical Devices
<b>CAREDOME</b>	Company visit at Sanofi, Portugal (M36)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at GSK, Greece (M36)	4	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Vianex, Greece (M36)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Merk, Greece (M36)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novartis, Greece (M36)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Novo Nordisk, Greece (M36)	2	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Sandoz, Greece (M36)	4	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Roche, Greece (M36)	3	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at Lundbeck, Greece (M36)	1	Pharmaceutical Company
<b>CAREDOME</b>	Company visit at MSD, Portugal (M36)	2	Pharmaceutical Company
<b>SESA</b>			
<b>SESA</b>	IEO – European Institute of Oncology	N/A	Healthcare professionals
<b>SESA</b>	Centro Cardiologico Monzino	N/A	Healthcare professionals
<b>SESA</b>	Lombardia Informatica	N/A	ICT experts

### 1.1.7 Flyers

The project flyers are complementary promotional tools used by the HEARTEN project to communicate the project to the wide audience. Two compact, user-friendly and easy to understand flyers have been created; (i) First flyer. Includes an overview of the project, the scientific and technological objectives and the key elements of HEARTEN system. The flyer has been translated in Italian and Spanish. (ii) Second Flyer that was designed towards approaching the HF patients and inform them about the expected benefits after the utilization of HEARTEN platform in terms of health

outcomes, empowerment and reduced hospital visits. The flyer has been translated in Italian and Spanish.



Figure 6: Overview of the 1<sup>st</sup> flyer of HEARTEN project (page 1).

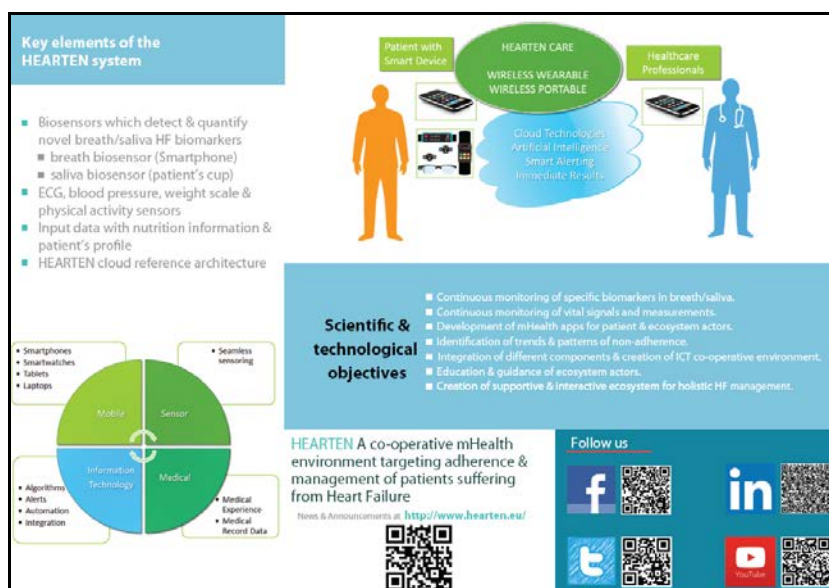


Figure 7: Overview of the 1<sup>st</sup> flyer of HEARTEN project (page 2).





Figure 8: Overview of the 2<sup>nd</sup> flyer of HEARTEN project (page 1).

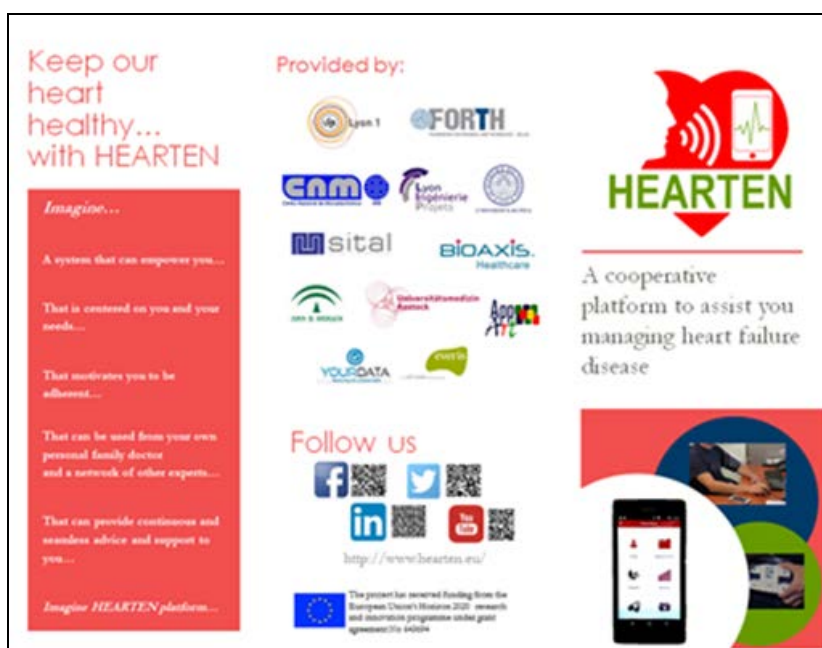


Figure 9: Overview of the 2<sup>nd</sup> flyer of HEARTEN project (page 2).

In Table 7, an overview of the flyer distribution per partner is provided accompanied with details of the relevant event and the target audience.

Table 7: Flyer distribution per partner (M1-M39).

Partner	Event, Date, Place	Target audience
<b>EVERIS</b>		
EVERIS	Collaboration on Spanish translation (Led by SAS) of 1 <sup>st</sup> flyer, January 2016	HF Patients, HF stakeholders, Industry, Researchers
EVERIS	HIMSS Europe World of Health IT (WoHIT) Conference & Exhibition, 21–22 November 2016, Barcelona, Spain	Healthcare stakeholders

EVERIS	European Summit on Digital Innovation for Active and Healthy Ageing, 6–8 November 2016, Brussels, Belgium	Healthcare stakeholders
EVERIS	Led translation into Spanish of second flyer, July 2017	HF Patients, HF stakeholders, Industry, Researchers
EVERIS	Big/Open/Small Data in Health Event, 21 September 2017, University of Valencia, Valencia, Spain	Healthcare stakeholders, health IT developers
<b>APPART</b>		
APPART	17 <sup>th</sup> Infocom World Conference "Digital reboot: Act and disrupt!" ( <a href="http://www.infocomworld.gr/17th-infocom-world-2015/chorigi/">http://www.infocomworld.gr/17th-infocom-world-2015/chorigi/</a> )	Telecommunication executives, Mobile application gurus, innovation architects
<b>FORTH</b>		
FORTH	PATRAS IQ 2016, April 2016, Patra, Greece	Research institutions and SMEs
FORTH	The evolution of mHealth interventions in Heart Failure: A Review and Framework for Development, XIV Mediterranean Conference on Medical and Biological Engineering and Computing (Medicon 2016), Cyprus, April 2016.	Bioinstrumentation experts, Biosensors experts, Bioinformaticians, Diagnostic Systems and Devices experts, mHealth experts
FORTH	A preliminary presentation of a mobile co-operative platform for Heart Failure self-management, 15th International Conference on Bioinformatics and Bioengineering (BIBE 2015), November 2015.	Data mining experts, bioinformaticians
FORTH	Estimation of heart failure patients medication adherence through the utilization of saliva and breath biomarkers and data mining techniques, 30th IEEE International Symposium on Computer-Based Medical Systems - IEEE (CBMS 2017), Thessaloniki, June 2017.	Data analysts, Knowledge Discovery experts, Clinical and Healthcare Services experts, Medical Devices experts
FORTH	Cardiovascular Symposium for Chronic Heart Failure Management, Ioannina, Greece, October 2017	HH experts, medical doctors, caregivers, pharmaceutical companies
FORTH	Healthcare Tailored to the Patient's Needs: Use of Personalized data and Knowledge Extraction for Action, invited talk on smart healthcare technologies in the Taishan International Forum on Healthcare Technologies, Robots and Artificial Intelligence, China, August 2017.	Healthcare delivery experts, mHealth experts, Bioinformaticians
FORTH	Cardiovascular Training Conference for HF, Ioannina, Greece, December 2016	Cardiologists, general practitioners, clinical experts in HF
FORTH	4th IEEE International Conference on Biomedical and Health Informatics, BHI 2017.	Data analysts, Knowledge Discovery experts, Clinical and Healthcare Services experts,



		Medical Devices experts
<b>CSIC</b>		
<b>CSIC</b>	Annual Conference of the Spanish Society of Cardiology, Zaragoza, Spain, October 2016.	Cardiologists and cardiology-related healthcare specialists
<b>UNIFI</b>		
<b>UNIFI</b>	BRIGHT: Researchers' Night, 30 September 2016, Pisa (Italy)	Anyone
<b>UNIFI</b>	Colloquium Spectroscopicum Internationale XL, 11-16 June 2017, Pisa (Italy)	Chemists, physics, engineers
<b>UNIFI</b>	National cardiology meeting, 25-28 September 2017, Milan (Italy)	Cardiology specialists
<b>UNIFI</b>	BRIGHT: Researchers' Night, 29 September 2017, Pisa (Italy)	Anyone
<b>UNIFI</b>	"Harmonize clinical research and practice to improve prevention and care of cardiovascular disease" cardiology meeting, 24-25 November 2017, Milan (Italy)	Cardiology specialists, cardiovascular disease specialists
<b>SAS</b>		
<b>SAS</b>	XXXVI Congreso Nacional de la Sociedad Española de Medicina Interna (SEMI), November 2015, Seville, Spain.	Health professionals, health authorities, health investors
<b>SAS</b>	SALUD CONECTADA: II Congreso Iberoamericano de Telesalud y Telemedicina, XIII Reunión del Foro de Telemedicina de la SEIS, XII Reunión del Fórum Ibérico de Telemedicina. November 2015. Seville, Spain.	Medical Informatics professionals
<b>SAS</b>	IV Reunión de la Plataforma Tecnológica para la Innovación en Salud, November 2015, Seville, Spain.	Medical Informatics professionals
<b>SAS</b>	15th European Congress of Internal Medicine, September 2016, Amsterdam.	Health professionals, health authorities, health investors
<b>SAS</b>	XXXVII Congreso Nacional de la Sociedad Española de Medicina Interna (SEMI), November 2016, Zaragoza, Spain.	Health professionals, health authorities, health investors
<b>SAS</b>	27th Medical Informatics Europe Conference (MIE), April 2017, Manchester.	Medical Informatics professionals
<b>SAS</b>	Virgen del Rocío University Hospital, since August 2017, Seville, Spain.	Heart Failure patients
<b>YOURDATA</b>		
<b>YOURDATA</b>	SINNOVA 2015 – 3 <sup>rd</sup> Sardinian Innovation Fair, July 2015, Cagliari	Institutions, professionals, general public
<b>YOURDATA</b>	SINNOVA 2016 – 4 <sup>th</sup> Sardinian Innovation Fair, October 2016, Cagliari	Institutions, professionals, general public
<b>YOURDATA</b>	SINNOVA 2017 – 5 <sup>th</sup> Sardinian Innovation Fair, October 2017, Cagliari	Institutions, professionals, general public

### 1.1.8 Short-films

During the project, four short-films have been created to communicate the project, its main goals and the consortium to a wider public. More details are presented in D2.12 - Final press release, blog post and project related short film (M39).

### 1.1.9 Social media

The HEARTEN social media have been created early in the project and have been continuously used for communicating the project vision, progress as well as planned activities. More details are presented in D2.12 - Final press release, blog post and project related short film (M39).

### 1.1.10 Other dissemination activities

Other dissemination activities that have been performed by the HEARTEN partners from M1-M39 are presented in Table 8.

**Table 8:** Other dissemination activities per partner (M1-M39).

Partner	Event, Date, Place	Target audience
<b>UCBL</b>		
UCBL	Plenary Lecture 10 <sup>th</sup> international workshop on impedance, September 26-29, 2017, Shemnitz, Germany	Biosensor experts
<b>FORTH</b>		
FORTH	Plenary Lecture Department of Materials Science & Engineering Master of Biomedical Engineering	Biomedical engineering Master Students
<b>EVERIS</b>		
EVERIS	Interview (Written Magazine) - 24/06/2015 <i>'Hearten', un proyecto para tratar la insuficiencia cardiaca</i> Page 7 <a href="http://www.eleconomista.es/premium/pdf.php?idPDF=5753">http://www.eleconomista.es/premium/pdf.php?idPDF=5753</a>	Industry, Healthcare managers and organizations
EVERIS	Press Release (Online) - 10/05/2015 <i>Apps y biosensores para tratar la insuficiencia cardiaca</i> <a href="http://aplicantes.com/apps-biosensores-insuficiencia-cardiaca/">http://aplicantes.com/apps-biosensores-insuficiencia-cardiaca/</a>	Industry, Healthcare managers and organizations
EVERIS	Press Release (Written Magazine) - 07/05/2015 <i>Hearten: controlar con una 'app' la insuficiencia cardiaca</i> Page 44 <a href="http://www.eleconomista.es/premium/pdf.php?idPDF=5615">http://www.eleconomista.es/premium/pdf.php?idPDF=5615</a>	Industry, Healthcare managers and organizations
EVERIS	Press Release (Online) - 05/05/2015 <i>Aplicaciones móviles para tratar la Insuficiencia Cardiaca</i> <a href="http://www.computing.es/comunicaciones/casos-exito/1081175000301/aplicaciones-moviles-tratar-insuficiencia-cardiaca.1.html">http://www.computing.es/comunicaciones/casos-exito/1081175000301/aplicaciones-moviles-tratar-insuficiencia-cardiaca.1.html</a>	Industry, Healthcare managers and organizations
EVERIS	Press Release (Online) - 05/05/2015 <i>everis,CSIC y el SAS participan en un proyecto europeo para tratar la Insuficiencia Cardiaca a través de aplicaciones móviles</i> <a href="http://www.consultoras.org/frontend/aec/Everis-CSIC-Y-El-SAS-Participan-Enun-Proyecto-Europeo-Para-Tratar-La-Insuficiencia-Cardiaca-A-Traves-vn25442-vst755">http://www.consultoras.org/frontend/aec/Everis-CSIC-Y-El-SAS-Participan-Enun-Proyecto-Europeo-Para-Tratar-La-Insuficiencia-Cardiaca-A-Traves-vn25442-vst755</a>	Industry, Healthcare managers and organizations
EVERIS	Press Release (Online, everis website, English) - 05/05/2015	Industry, Healthcare

	<p>everis, CSIC and SAS are involved in a European project to treat Heart Failure through mobile applications</p> <p><a href="https://www.everis.com/global/en/news/newsroom/everis-csic-and-sas-are-involved-european-project-treat-heart-failure-through-mobile">https://www.everis.com/global/en/news/newsroom/everis-csic-and-sas-are-involved-european-project-treat-heart-failure-through-mobile</a></p>	managers and organizations
EVERIS	<p>Press Release (Online, everis website, Spanish) - 05/05/2015</p> <p>everis, CSIC y el SAS participan en un proyecto europeo para tratar la Insuficiencia Cardíaca a través de aplicaciones móviles</p> <p><a href="https://www.everis.com/spain/es/news/newsroom/everis-csic-y-el-sas-participan-en-un-proyecto-europeo-para-tratar-la-insuficiencia">https://www.everis.com/spain/es/news/newsroom/everis-csic-y-el-sas-participan-en-un-proyecto-europeo-para-tratar-la-insuficiencia</a></p>	Industry, Healthcare managers and organizations
EVERIS	<p>Press Release (Online, everis website, English) – 29/05/2017</p> <p>everis collaborates in the HEARTEN Project to improve the Heart Failure patients management</p> <p><a href="https://www.everis.com/global/en/news/newsroom/everis-collaborates-hearten-project-improve-heart-failure-patients-management">https://www.everis.com/global/en/news/newsroom/everis-collaborates-hearten-project-improve-heart-failure-patients-management</a></p>	Industry, Healthcare managers and organizations
EVERIS	<p>HEARTEN Product Sheet – November 2017</p> <p>EVERIS has produced a product informative sheet to be used in commercial actions by the company following the guidelines of other products and services commercialized by Everis, this product sheet will be part of the everis' portfolio solutions offered to our clients during commercial events, mostly oriented to Health Public and Private Sector and Pharmaceutical companies. The sheet has been prepared in Spanish and our main commercial actions in these sectors are centered in Spain and Latin America</p>	Industry, Healthcare managers and organizations
EVERIS	<p>HEARTEN Newsletters – From August to December 2017</p> <p>EVERIS has prepared a set of newsletters consolidating highlights of news published under the social network accounts and published under the HEARTEN Website.</p> <p>The newsletters serve for a double purpose. On the one hand, to provide to new followers a summary an index of highlighted publications published from the beginning of the project. On the other hand, as the newsletter are deployed under the HEARTEN Website though the notice informing the publication is done in Facebook, it will to increase the number of visitors of the HEARTEN project site (each click to open the newsletter from Facebook will imply a visit to the Hearten.eu site), which will help to position the site among top results in Google when users and professionals look for the term "heart failure".</p> <p>7 Newsletters have been produced:</p> <ul style="list-style-type: none"> <li>• Newsletter containing relevant publications done in 2015</li> <li>• Newsletter containing relevant publications done January-June 2016</li> <li>• Newsletter containing relevant publications done July-Dec 2016</li> <li>• Newsletter containing relevant publications done Jan-March 2017</li> </ul>	HF Patients, Industry, Healthcare managers and organizations and in general followers of HEARTEN Social Networks

	<ul style="list-style-type: none"> <li>Newsletter containing relevant publications between April-June 2017</li> <li>Newsletter containing relevant publications between July-September 2017</li> <li>Newsletter containing relevant publications between October-December 2017</li> </ul>	
<b>CSIC</b>		
<b>CSIC</b>	Press release on the project, 11 May 2015	Spanish press agencies and newspapers
<b>CSIC</b>	Web news: HEARTEN, an app to help in the treatment of heart failure, 4 June 2015. "R+D CSIC" web page.	General public
<b>UMOR</b>		
<b>UMOR</b>	MD Thesis on breath biomarker profiles in HF patients	Physicians/ Scientists
<b>UNIFI</b>		
<b>UNIFI</b>	Web press release: "Dall'Europa le prime valutazioni per i progetti di ricerca dell'Ateneo" ( <a href="https://www.unifi.it/index.php/tutte-le-news/item/5524-dall-europa-le-prime-valutazioni-per-i-progetti-di-ricerca-dell-ateneo">https://www.unifi.it/index.php/tutte-le-news/item/5524-dall-europa-le-prime-valutazioni-per-i-progetti-di-ricerca-dell-ateneo</a> )	Anyone
<b>UNIFI</b>	Local newspaper online: <a href="http://iltirreno.gelocal.it/pisa/cronaca/2015/01/30/news/quasi-4-5-milioni-di-euro-per-dodici-progetti-di-ricerca-dell-universita-di-pisa-1.10766052">http://iltirreno.gelocal.it/pisa/cronaca/2015/01/30/news/quasi-4-5-milioni-di-euro-per-dodici-progetti-di-ricerca-dell-universita-di-pisa-1.10766052</a>	Anyone
<b>UNIFI</b>	Local newspaper online: <a href="http://www.pisainformafash.it/notizie/dettaglio.html?nid=20871">http://www.pisainformafash.it/notizie/dettaglio.html?nid=20871</a>	Anyone
<b>UNIFI</b>	PhD Thesis: Bellagambi FG "Chemical biomarkers in human breath and oral fluid: Method development and applications in non-invasive clinical analyses", 17 March 2017	Chemists, scientists, students
<b>SAS</b>		
<b>SAS</b>	Online presentation: "Profesionales del Hospital Universitario Virgen del Rocío participan con Everis y el CSIC en un proyecto europeo para tratar la insuficiencia cardiaca a través de aplicaciones móviles. El proyecto Hearten permitirá a los pacientes controlar su estado de salud y comprobar si siguen su tratamiento a los profesionales médicos gracias a un kit de biosensores conectados a su smartphone". May 2015.	General Public
<b>SAS</b>	Online presentation: "Profesionales del Hospital Universitario Virgen del Rocío participan con Everis y el CSIC en un proyecto europeo para tratar la insuficiencia cardiaca a través de aplicaciones móviles". May 2015.	General Public
<b>SAS</b>	Online presentation: "PROFESIONALES DEL HOSPITAL UNIVERSITARIO VIRGEN DEL ROCÍO PARTICIPAN CON EVERIS Y EL CSIC EN UN PROYECTO EUROPEO PARA TRATAR LA INSUFICIENCIA CARDIACA A TRAVÉS DE APLICACIONES MÓVILES". May 2015.	General Public
<b>SAS</b>	Online presentation: "Profesionales del Hospital Universitario Virgen del Rocío participan con Everis y el CSIC en un proyecto europeo para tratar la insuficiencia cardiaca a través de aplicaciones móviles". May 2015.	General Public

<b>SAS</b>	Online presentation: "HEARTEN - A CO-OPERATIVE MHEALTH ENVIRONMENT TARGETING ADHERENCE AND MANAGEMENT OF PATIENTS SUFFERING FROM HEART FAILURE". February 2016.	General Public
<b>SAS</b>	Online presentation: "Reunión de consorcio del proyecto europeo HEARTEN". March 2017.	Virgen del Rocío University Hospital professionals
<b>SAS</b>	Online presentation: "Reunión de consorcio del proyecto europeo HEARTEN". March 2017.	Virgen del Rocío University Hospital professionals
<b>CAREDO ME</b>		
<b>CAREDO ME</b>	Newsletter: "Technology helps patients' battle heart failure: BIOAXIS Healthcare Portugal's role in a novel cooperative targeting patients suffering from heart failure".	Nurse Network, Greece and Portugal
<b>CAREDO ME</b>	Newsletter: "HEARTEN State of the art from clinical perspective".	Nurse Network, Greece and Portugal
<b>CAREDO ME</b>	Newsletter: "HEARTEN Integration in the cloud".	Pharmaceutical Industry, Cardiologists, Nurse Network (Greece and Portugal)

#### 1.1.11 Clustering with other projects

HEARTEN project is active in cluster activities with other EU funded projects in order to identify the and promote a common vision. Specifically, FORTH has contacted with key persons of the following projects in order to inform them about HEARTEN collaborative platform, discuss the progress and achievements and the liaison with HEARTEN.

#### Media: The MEtabolic Road to DIAstolic Heart Failure

Media project focuses on the heart failure (HF) patients who suffer from diastolic HF (DHF). The project: (i) investigated the way that metabolic derangements can result in DHF, (ii) created diagnostic algorithms accounting on the knowledge extracted by metabolic risk, 3) examined the importance metabolic risk in opening new therapeutic perspectives for DHF.

#### HOMAGE: Heart OMics in AGEing

HOMAGE project identified and validated specific biomarkers of heart failure in order to prevent the development of the disease affecting elderly population. In addition, within the project, the following achievements were met: (i) development of cost-effective 'omics based multiplex BM arrays, (ii) production of reliable evidence based clinical outcomes for opening a new era in the clinical practice in elderly populations'.

#### SensorArt: A remote controlled Sensorized ARTificial heart enabling patients empowerment and new therapy approaches

SensorART provided innovative telemedicine services for supporting the patients suffering from chronic heart failure (CHF). SensorART adopted novel ICT advancements including: (i) Wearable sensors, (ii) Artificial intelligent algorithms, (iii) Light-weight portable hardware controllers and, (iv) "Smart" signal processing algorithms.

**VPH2: Virtual Pathological Heart of the Virtual Physiological Human**

VPH2 project delivered an advanced software application framework for the development of computer-aided medicine in cardiology and cardiac surgery. More specifically, VPH2 developed a patient-specific computational modelling of the human heart for assisting the cardiologists in assessing the severity of HF patients with post-ischemic Left Ventricular Dysfunction (LVD).

### 1.1.12 Dissemination activities performed by each partner

The detailed list of the dissemination activities performed by each partner from M1-M39 are presented in Table 9.

**Table 9:** Overview of dissemination activities conducted by each partner (M1-M39).

Partner	Type	Number
<b>UCBL</b>		
UCBL	Journal publications	11
UCBL	Conference publications	7
UCBL	Poster presentations	4
UCBL	Project presentations	4
UCBL	Flyer distribution	-
UCBL	Other (Plenary lecture)	1
<b>LIP</b>		
LIP	Journal publications	-
LIP	Conference publications	-
LIP	Poster presentations	-
LIP	Project presentations	-
LIP	Flyer distribution	-
LIP	Other (project website)	1
<b>EVERIS</b>		
EVERIS	Journal publications	1
EVERIS	Conference publications	-
EVERIS	Poster presentations	2
EVERIS	Project presentations	4
EVERIS	Flyer distribution	5
EVERIS	Other (press releases, press interview, product profile sheet, newsletters)	16
<b>APPART</b>		
APPART	Journal publications	-
APPART	Conference publications	-
APPART	Poster presentations	-
APPART	Project presentations	3
APPART	Flyer distribution	1
APPART	Other	-
<b>FORTH</b>		
FORTH	Journal publications	3
FORTH	Conference publications	8
FORTH	Poster presentations	3
FORTH	Project presentations	9
FORTH	Flyer distribution	8
FORTH	Other	4
<b>CSIC</b>		
CSIC	Journal publications	4
CSIC	Conference publications	7
CSIC	Poster presentations	8
CSIC	Project presentations	10
CSIC	Flyer distribution	1
CSIC	Other (press release, web news)	2

UMOR		
UMOR	Journal publications	5
UMOR	Conference publications	7
UMOR	Poster presentations	-
UMOR	Project presentations	1
UMOR	Flyer distribution	1
UMOR	Other	-
UNIFI		
UNIFI	Journal publications	6
UNIFI	Conference publications	2
UNIFI	Poster presentations	13
UNIFI	Project presentations	11
UNIFI	Flyer distribution	5
UNIFI	Other	4
SAS		
SAS	Journal publications	1 (under review)
SAS	Conference publications	1
SAS	Poster presentations	7
SAS	Project presentations	4
SAS	Flyer distribution	7
SAS	Other (Online web presentations)	7
YOURDATA		
YOURDATA	Journal publications	-
YOURDATA	Conference publications	-
YOURDATA	Poster presentations	2
YOURDATA	Project presentations	4
YOURDATA	Flyer distribution	3
YOURDATA	Other	-
CAREDOME		
CAREDOME	Journal publications	-
CAREDOME	Conference publications	-
CAREDOME	Poster presentations	-
CAREDOME	Project presentations	132
CAREDOME	Flyer distribution	-
CAREDOME	Other (Newsletters)	3
SESA		
SESA	Journal publications	-
SESA	Conference publications	-
SESA	Poster presentations	-
SESA	Project presentations	-
SESA	Flyer distribution	-
SESA	Other (Company website)	1
SITAL		
SITAL	Journal publications	-
SITAL	Conference publications	-
SITAL	Poster presentations	-
SITAL	Project presentations	3
SITAL	Flyer distribution	-
SITAL	Other (Company website)	1



## 2. Dissemination activities targeting HF patients

### EVERIS

EVERIS participated in the HEALTHIO event (May 2017, Barcelona, Spain), where patients, healthcare professionals and enterprises meet to know the state of the art of innovation in Healthcare. Among the projects presented by EVERIS, the presentation of HEARTEN has been achieved through leaflets and TV material.

### FORTH

FORTH performed the following activities in order to reach the patients and inform them about the HEARTEN platform and the expected benefits after its adoption.

- Communication with “Synehizo”, which is the Hellenic organization of HF patients. Specifically, attention was paid in presenting the overall concept of HEARTEN platform and receive initial feedback related to the problems that patient’s face and prevent them of being adherent to the suggestion provided by the experts.
- Contact with the Ireland’s national heart failure charity and provision of flyer and relevant material to be used in the organization meetings.
- Presentation of HEARTEN platform and explanation of the impact of this mHealth system in the HF patients of the Cardiology Department of the University Hospital of Ioannina (UHI).

### UNIP

After the approval of the local Ethical Committee of “Area vasta Nord-Ovest, Tuscany Region (CEAVNO)”, UNIP approached HF patients at the University of Pisa Hospital (Italy) and local HF patients associations (e.g. “Gli Amici del Cuore” - Pisa).

During the enrolment of HF patients in the prospective data gathering and the pilot study, at the hospital as well as in the meetings with patients’ associations, nurses, clinicians and chemists explained in detail the overall concepts and the aim of the HEARTEN project, by distributing the leaflets, showing the equipment for physiological measurements and illustrating the platform potential.

### SAS

SAS has performed specific activities to approach HF patients and associations. During the prospective data gathering and the pilot study, SAS doctors has explained the project advantages to HF patients and their families and caregivers. Furthermore, to these face-to-face actions, 140 flyers oriented to HF patients have been distributed between these groups of people.

In November and December 2016, and January 2017, SAS contacted with the following 29 Andalusian and Spanish associations:

#### Contact with Spanish Organisations

Asociación de Pacientes Cardiacos de Sevilla (ASPACASE)
Asociación Sevillana de Pacientes Anticoagulados y Portadores de Válvulas Cardiacas (A.S.P.A. Y P.V.C.)
Asociación Cardíaca Mairena del Alcor
Asociación de Pacientes Coronarios (PACOVAL)
Asociación de Pacientes Coronarios de las Cabezas de San Juan (ASPACOLAS)
Asociación de Pacientes Coronarios de Marchena (ASPACOMAR)
Asociación de Pacientes Coronarios Nazarena (ASANCOR)
Asociación Lebrijana de Enfermos Cardíacos (ALEC)
Asociación Pacientes Cardiacos de Arahal
Asociación Cardíaca Visueña
Asociación Enfermos del Corazón "El Castillete"

Asociación Sevillana del Corazón
AENCOAL
Asociación de Trasplantados, Donantes y Cardiacos
Asociación de Pacientes Cardiacos y Anticoagulados Portuenses (ACAP)
Asociación Cardíaca "Trebol de Corazones" de Cádiz
Asociación Cordobesa de Pacientes Anticoagulados
Asociación de Pacientes Cardiacos de Granada y su Provincia
Asociación de Pacientes Anticoagulados y Coronarios de Málaga
Age Concern España
Asociación de Profesores Universitarios Jubilados
Catalonian Federation of Elder Associations (FATEC)
Confederación Española De Organizaciones De Mayores (CEOMA)
Design for All Foundation
Federación Territorial de Asociaciones provinciales de pensionistas y jubilados de alava, Guipuzcoa y Vizcaya (Federpen)
FOCAGG Fed d'Organitzacions Catalanes de Gent Gran, Dones i Família
Groupement Européen des Retraités des Caisses d'Epargne, Banques et Institutions Similaires
Spanish Red Cross
Unión Democrática de Pensionistas

#### YOURDATA

YOURDATA contacted the Hospital of the University of Cagliari and the Local Healthcare Organization of Sanluri in Sardinia. All of them expressed great interest for the project. In addition, we get in touch with patients' associations and hospitals, such as "Gli Amici del cuore" based in Lanusei (Sardinia), the Hospital "Brotzu" (60 patients) based in Cagliari (IT) and the "St Vincents Hospital" (50 patients) of Dublin (EI).

#### CAREDOME

CAREDOME approached Doctors Association (Hellenic Society of Cardiology and Medical Association of Athens) in Greece to disseminate the progress and results of HEARTEN project. The scope of communication with Doctors Associations was to inform them on the use and capabilities of HEARTEN platform and make them aware of the impact that the uptake of HEARTEN in the monitoring of their patients will have. In addition, CAREDOME contacted via phone and email with Patient Associations (ELIKAR) related to Heart Diseases to present and explain to the representatives how HEARTEN platform could assist then in the disease management, in improving patient's adherence and achieving a better quality of life.

### 3. Summary of dissemination activities

#### 3.1 Overview of the dissemination activities conducted by each partner

##### UCBL

The activities of UCBL have focused in the dissemination of the results achieved on the HEARTEN biosensors and bio-analytical sensors in scientific journals and conferences. The development of biosensors has been performed in cooperation with CSIC, UNIPi and FORTH. UCBL has disseminated the HEARTEN concept through an invited presentation at different international conferences.

##### EVERIS

EVERIS, using its network of contacts and events where we were invited as part of the healthcare providers in Spain, has taken the opportunity to present dissemination material of HEARTEN to different healthcare professionals and managers. EVERIS has also taken the chance to lead the writing of an article published in an open access journal and creating new promotional material including a new video and a product sheet as well as presenting posters in international health events with synergies along SAS. As a summary, dissemination activities performed by EVERIS include:

- Publication of press releases on Spanish media at project launch, including led translation of English version of press release to Spanish version in cooperation with other Spanish partners (CSIC and SAS).
- Project interview published in Spanish magazine oriented to Health stakeholders.
- Additional publication of press releases at Everis website.
- HEARTEN internal presentation at the ehCOS Week
- HEARTEN Poster presentation at the I Congress on Coordination and Management of EU-funded Health Research Projects
- HEARTEN Presentation of Poster in the Informatics for Health Congress 2017 (Joint action with SAS)
- Translation of project brochures into Spanish (collaboration on 1<sup>st</sup> flyer, led translator in 2<sup>nd</sup> flyer)
- HEARTEN leaflet distribution at the HIMSS Europe World of Health IT (WoHIT) Conference & Exhibition and in the European Summit on Digital Innovation for Active and Healthy Ageing, where EVERIS is coordinator of one of the objectives within C2 Action Group of EIPAH.
- HEARTEN Presentation at the XX National Congress of Hospitals and Healthcare management, Seville, Spain
- HEARTEN Presentation at the HEALTHIO event
- HEARTEN Presentation at the II National Health Hackathon
- Distribution of HEARTEN leaflets at the Big/Open/Small Data in Health Event
- Publication of HEARTEN Profile in Pan European Networks Health Issue June 2017
- Product sheet adapted to Everis guidelines to be distributed among other product sheets of services and products by Everis in different commercial events.
- A video concerning the tool created for integrating HEARTEN with SAS Electronic Health Record
- Preparation of newsletters consolidating highlights of news published under the social network accounts and published under the HEARTEN Website.
- Contribution to the social networks of the HEARTEN Project

**APPART**

APPART is a commercial company therefore, it utilizes the existing customer base and network of partners for performing its dissemination activities. Moreover, in its effort to increase its footprint and references is in a continuous business development process, either directly or through cooperation with other vendors and/or integrators. APPART utilizes even these efforts in order to find opportunities and perform dissemination activities to potential new customers and new partnerships. The main target of APPART is to make the above-mentioned ecosystem aware of the work performed within the frames of HEARTEN project as well as the results that the project is going to produce. The basic means of building this awareness and spreading the knowledge regarding HEARTEN is the presentations that is conducting, the meetings and discussions in which it participates with executives in all levels across an organization as well as the follow up actions.

The objectives of APPART dissemination activities focus in the following directions:

- Telecom Operators which are highly interested in building and providing successful Corporate Responsibility Programs. For instance, Vodafone utilizes the possibilities of its technology and implements programs that support local communities and their people. Such an initiative is the Vodafone Greece Telemedicine program, which is implemented for many consecutive years, in 100 remote areas throughout Greece. APPART disseminates HEARTEN project in Telecom Operators, aiming to find the right business model and the right opportunity in order for HEARTEN to be part of such a social project.
- Some organizations are related with Medical Institutions, the efforts for making them aware of HEARTEN may lead to the right people in the Medical industry which could be interested for utilizing HEARTEN results.

APPART, as a software development company, has as main customers the Telecommunications industry. As such, APPART is in contact with all major Telecom Operators in the geographical area of its activities, such as, indicatively, Vodafone Greece and Vodafone Albania (part of Vodafone Group) and Cosmote (part of Deutsche Telecom Group) in order to promote and implement its solutions. APPART disseminates the project results utilizing the existing customer base and partnerships. Furthermore, APPART utilizes the wide network of cooperation with other vendors and IT Integrators in order to promote the project to them and leverage the targeting of their customers in Greece or other countries in which they operate in Europe and Middle East.

To sum up, APPART main asset is the fact that is a commercial company with established and proven business relationship, but is also aiming at growing further through expanding its customers and partners' base. This asset along with its commercial experience and business development focus, is utilized in order to disseminate HEARTEN results and contribute in the consortium's effort towards materialization of the exploitation plan.

**FORTH**

The activities of FORTH concern the creation of papers submitted in the field of bioinformatics and artificial intelligence, as well as paper submission in National and International Conferences in which several experts of different fields of expertise had the opportunity to be informed about the HEARTEN research outcomes, the main HEARTEN modules and their communication and the technology used. In addition, FORTH has created the flyers that have been used for the dissemination and communication of HEARTEN in several events and conferences. FORTH has also come in contact with HF professionals and experts in order to receive feedback of the needs of those users and better design the HEARTEN platform towards improving the delivery of patient specific HF management at home.

**CSIC**

The activities of CSIC have focused in the dissemination of the results achieved on the HEARTEN biosensors in scientific journals and conferences. The development of biosensors has been performed in cooperation with UCBL, and therefore most of the dissemination activities have been done in collaboration with UCBL. CSIC has disseminated the HEARTEN concept in Spain, through press releases and through an invited presentation at the annual conference of the Spanish Society of Cardiology in 2016. In cooperation with the Spanish partners, CSIC has participated in the translation of the HEARTEN leaflets to the Spanish language.

**UMOR**

UMOR dissemination activities focused on publication in scientific journals and presentations in several European and International conferences aiming to share the achievements and develop national and international links. Research results of the project were related to healthcare, analytical chemistry and the biomedical field and communicated to the scientific and medical community. The results were published in high ranking journals and distributed at several relevant events. In addition, we used the new knowledge in the University Hospital for educating and training of students.

**UNIPi**

Over the lifetime of the HEARTEN Project, UNIPi dissemination activities were focused on the presentation to the scientific community of the outcomes of its research in developing innovative analytical methodologies for the determination of HF biomarkers in saliva and exhaled breath for patients monitoring. Furthermore, UNIPi presented the HEARTEN project to expert participants in EU projects on e-Health promoting the objectives and activities of the HEARTEN and highlighting the advantages which could be gained from its adoption. In summary, the following dissemination activities were conducted through the participation in several national and international conferences as well as publication in international scientific journals:

- Publications on peer-reviewed international journals
- Conference publications
- Poster presentations in both national and international congresses
- Oral presentation in both national and international congresses
- Leaflet distribution during the BRIGHT: Researchers' Night, 30 September 2016, Pisa (Italy), the Colloquium Spectroscopicum Internationale XL, 11-16 June 2017, Pisa (Italy), the BRIGHT: Researchers' Night, 29 September 2017, Pisa (Italy), the National cardiology meeting, 24-25 November 2017, Milan (Italy), and the "Amici del Cuore-Pisa" Meeting, 17 February 2017, Pisa (Italy).

**SAS**

During HEARTEN project execution, SAS has performed several dissemination activities:

- Conference publications and other project presentations in national and international conferences, and in other forums targeting medical students and doctors.
- Flyers: SAS has participated in the creation and translation of the HEARTEN flyers. SAS has distributed some of these flyers in conferences and other forums.
- Web publications for informing about HEARTEN project.
- Social Media, specifically in Facebook.
- Video: SAS has created a video in English and Spanish to inform HF patients about HEARTEN advantages.
- Publications: SAS and UNIPi has submitted a scientific paper to the International Journal of Technology Assessment in Health Care.

**YOURDATA**

YOURDATA has concentrated its dissemination efforts on the project presentations in Sardinia, involving the main healthcare authorities and trying to reach, the general public, also through social networks. Also, the HEARTEN flyer has been distributed in each event in which the project has been presented. In addition, more information has been submitted to all associations contacted during the behavioural survey, described in section 5 of D2.8.

**CAREDOME**

CAREDOME has focused on disseminating the progress of HEARTEN to its core partners and customers across Portugal, Greece, United Kingdom and Bulgaria. Therefore, the dissemination target group consisted by pharmaceutical industry executives, healthcare professionals, cooperating nurse agents, Private Bank Institutes, Private Insurance Companies and medical devices and telemedicine vendors. CAREDOM has developed the necessary presentations and newsletter which were used to achieve the dissemination targets of the project. In addition, the HEARTEN project video has been used in face to face presentations. In summary, the following dissemination activities were conducted. The overall feedback from the people who were informed about HEARTEN was positive. Especially the pharmaceutical industry and healthcare professionals have recognised the fact that HEARTEN involves all necessary actors for the management and monitoring of HF patients. In addition, they believe and they expect that HEARTEN will increase the patients' compliance and adherence.

**SESA**

SESA disseminated HEARTEN project through the company's website. A description of the HEARTEN project was included and the main objectives along with the partners involved were presented (From M1-M10).

**SITAL**

HEARTEN project have been promoted on the company's corporate web site focusing on the presentation of the collaborative platform and the whole environment where all the components are deployed. The exhibition of HEARTEN has been also performed in in two clinical institutes, European Institute of Oncology (IEO) and Centro Monzino.

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