





# SOUNDCAST VACUUM-ASSISTED HIGH PRESSURE DIE CASTINGS WITH REDUCED POROSITY AT LOW COST

# **D6.5: Final Dissemination Plan**

Instrument	Collaborative Project – Research for the benefit of SME			
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# **DISSEMINATION LEVEL**

	Dissemination Level (choose the suitable option)				
Х	X PU Public				
	PP Restricted to other programme participants (including the Commission Services)				
	<b>RE</b> Restricted to a group specified by the consortium (including the Commission Services)				
	<b>CO</b> Confidential, only for members of the consortium (including the Commission Services)				

# **DOCUMENT MODIFICATIONS CONTROL**

Review	Date	Modifications	Author/Organisation
0.0	22/10/2015	First version	Ana Fernández / IK4-AZTERLAN
1.0	11/11/2015	Revision	Andrea Niklas /IK4-AZTERLAN

11/11/2015 Review 1.0 Project No: 315506 Page 2 of 35





# **TABLE OF CONTENTS**

1.		Intro	duct	tion	. 4
2.		Diss	emir	nation activities	. 4
	2.	1	SOL	JNDCAST Project Image	. 5
		2.1.	1	SOUNDCAST logo	. 5
		2.1.	2	Aknowledgment information for dissemination purposes	. 6
		2.1.	3	SOUNDCAST Deliverables, Reports and Presentation Template	. 7
	2.	2	SOL	JNDCAST Dissemination Channels	. 7
		2.2.	1	Online Dissemination	. 7
		2.2.	2	Non-Electronic Dissemination	. 7
		2.2.	3	Interactive Dissemination	. 7
3.		Rep	ortin	g on Dissemination Activities	. 8
	3.	1	Web	Site Dissemination	. 8
		3.1.	1	Project Web site	. 8
		3.1.	2	Partners Web Sites:	. 9
		3.1.	3	CORDIS Web Page	10
	3.	2	Indu	ıstrial, Business Dissemination	10
		3.2.	1	Fairs dissemination	11
		3.2.	2	General, Industrial and Business Publications	14
	3.	3	Scie	entific Dissemination	17
		3.3.	1	Scientific Publications	17
		3.3.	2	Conferences, seminars and workshops	19
	3.	4	Trai	ning activities	21
	3.	5	Othe	er Dissemination Activities	22
	3.	6	Sch	eduled dissemination actions after the Project	23
4.		SOL	JND	CAST Dissemination Tool and Materials produced	24
	4.	1	SOL	JNDCAST Brochures and Flyers	24
	4.	2	SOL	JNDCAST Posters	28
	4.	3	SOL	JNDCAST Videos	29
5.		Ass	essn	nent of dissemination impact	30





# 1. Introduction

This deliverable D6.5 Final Dissemination Plan reviews the dissemination strategy and approach taken by the project partners, including the dissemination channels exploited by the Consortium and the target groups addressed. The purpose of the document is to report on the dissemination and communication actions of the SOUNDCAST Consortium, and to assess the impacts achieved.

This document is the revision of the preliminary version: "Deliverable 6.3: Draft dissemination plan" submitted in Month 9.

# 2. Dissemination activities

Although, SOUNDCAST is a research project with restricted access, a notable effort for the dissemination of the project results has been undertaken. The progress of the project and its results have been disseminated through different channels:

- SOUNDCAST Web page.
- Communication of major results to broad public through all available dissemination channels.
- Participation in fairs and conferences related with the relevant subjects of SOUNDCAST project.

The approach was adjusted for each dissemination action to the particular target groups – industrial and scientific communities.

# Target group for dissemination activities

In order to maximize the success of the commercial exploitation, the target groups for dissemination and exploitation have been defined. For all these target groups a full set of traditional dissemination tools accompanied by innovative dissemination activities were carried out:

Sector 1: HPDC foundries

Sector 2: Raw materials suppliers

Sector 3: Auxiliary equipment suppliers for HPDC foundries

Sector 4: End users

Sector 5: Scientific community

11/11/2015 Review 1.0 Project No: 315506 Page 4 of 35

# SOUNDCAST

## **D6.5: Final Dissemination Plan**



- Communication Channels and Tools: Dissemination of information for this target group will be mainly carried out by means of a list of events already identified:
  - o Dissemination of project report by electronic means (Soundcast project Web).
  - o Workshops, seminars, etc.
  - Dissemination of Soundcast project on conferences.
  - Publication in Scientific journals or magazines.
  - Elaboration of Reports and Guidelines.
  - Distribution of flyers by electronic means and in international Fairs.
  - o Information dissemination on partner Websites.
- The dissemination activities were conducted throughout the whole course of the project, and all the partners contributed to communicating the idea, objectives and results of the SOUNDCAST project. Moreover, the industrial partners have focused on approaching relevant industry sectors and potential markets and customers in several fairs. The participating research partners approached dissemination with an academic focus. Undertaken dissemination activities produced noticeable results in terms of interests expressed by potential stakeholders in the developed solution.
- The consortium was always informed about all dissemination activities of the foreground to protect the interest of SMEs. The authorization of the consortium before any dissemination activity was agreed. Necessary actions to protect the foreground were evaluated and dissemination activities were in some cases delayed until a decision on how to protect such foreground was made.

# 2.1 SOUNDCAST Project Image

# 2.1.1 SOUNDCAST logo

<u>Corporative image</u>: a logo was designed that has been used in any dissemination. The image has been available to all partners or users since the very beginning of the project.



Figure 2.1.1 Logo of the project

11/11/2015 Review 1.0 Project No: 315506 Page 5 of 35





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Trademark: Soundcast® has been registred as trademark in Spain November 2015

# 2.1.2 Aknowledgment information for dissemination purposes

All presentations and posters related with SOUNDCAST must show the flag of the EU, the logo of the FP7 and the SOUNDCAST logo. The acknowledgment data for dissemination activities is: "The research leading to these results has received funding from the European Union's Seventh Framework Programme managed by REA-Research Executive Agency <a href="http://ec.europa.eu/research/rea">http://ec.europa.eu/research/rea</a> (FP7/2001/2013) under grant agreement No.315506."





Figure 2.1.2: Flag of EU and FP7 logo.

11/11/2015 Review 1.0 Project No: 315506 Page 6 of 35





# 2.1.3 SOUNDCAST Deliverables, Reports and Presentation Template

Different documents were generated during the whole life of the project, and all of them should have been prepared in accordance with a standard format. In this sense, templates are available for:

- a) ppt Presentations
- b) Deliverables
- c) Internal Report: Progress Reports
- d) Meeting Agenda
- e) Attendance Register
- f) Meeting Minutes
- g) Contractual Reports: Periodic Reports

Annex I includes a picture of the above-mentioned templates.

# 2.2 SOUNDCAST Dissemination Channels

The SOUNDCAST project consortium has exploited the following dissemination channels during the project course:

- Online Dissemination
- Non-Electronic Dissemination
- Interactive Dissemination

Each dissemination channel is further discussed in the sub-sections below.

# 2.2.1 Online Dissemination

The basic online dissemination tool used during the project course is the SOUNDCAST project web site available at: <a href="http://www.soundcastproject.eu">http://www.soundcastproject.eu</a>. The web site is already described in the deliverable D6.1 Project website, submitted at month 3 of the project. The focus of describing this tool within this deliverable will be on its use for dissemination purposes (see Section 3.1).

The project web site were also used as a document repository and partners' collaboration platform during the whole project duration.

# 2.2.2 Non-Electronic Dissemination

The non-electronic dissemination refers to dissemination materials produced during the project course, involving SOUNDCAST project brochures, posters and flyers. Furthermore, the publications in specialized journal and newspapers, as well as publications in scientific and industrial journals and magazines are significant communication tools towards focused target groups. Conference papers submitted and presented are also an example of SOUNDCAST project non-electronic dissemination.

# 2.2.3 Interactive Dissemination

During the project course the partners have organized and attended numerous events: trade fairs, exhibitions, academic and commercial conferences and workshops. The interactive channel of dissemination is intended for target groups with a high level of

11/11/2015 Review 1.0 Project No: 315506 Page 7 of 35





information need. The interactive channel is very efficient and with a high impact on dissemination and exploitation.

# 3. Reporting on Dissemination Activities

As it was described in deliverable 6.3: "Draft dissemination plan", during the first 9 months of the project, no publication or paper were presented because there were no results to disseminate. However, different actions were performed to disseminate the Soundcast project and its objectives by means of a newsletter, a technical conference and several publications on sectorial newspapers, as will be described later on.

Consortium has already taken part in sectorial meetings, with different associations or industrial representative agents, where the project was mentioned, several congress were attended and future congresses are planned.

The following describes the dissemination activities carried out since the beginning of the project and highlight those activities with the highest impact on the European foundry industry.

The interim dissemination report (for the first 9 months) is integrated in this Final Report. Each partner reported the activities realized and which are summarized in the following.

# 3.1 Web Site Dissemination

# 3.1.1 Project Web site

The project web site is available since the beginning of SOUNDCAST project. It is accessible at: <a href="http://www.soundcastproject.eu/">http://www.soundcastproject.eu/</a>. Once the project is ended, the website will remain available at least one year.



Figure 1.1.1.: Soundcast Web site (http://www.soundcastproject.eu/).

The project web page (www.soundcastproject.eu) will be the tool for centralizing the dissemination of the SOUNDCAST project to a wider community. For this reason a user friendly website has been designed, focusing on the main key points of the project. In order to attract a wider spectrum of visitors, the website is not focusing on complex technical details but on the real applications and expected outcomes of the project.

11/11/2015 Review 1.0 Project No: 315506 Page 8 of 35

# SOUNDCAST

## **D6.5: Final Dissemination Plan**



The web page has 4 main elements:

- 1. Banner with SOUNDCAST logo and leitmotiv
- 2. Menu Bar for navigation
- 3. Main body containing the information of each section
- 4. Footer with grant agreement details

The webpage has been divided in 7 sections:

- **Home:** webpage cover. A picture slider has been included so the pictures change automatically after few seconds. Different pictures are displayed and the user can change between with the navigation arrows.
- **Objectives:** describes the objectives and expected impacts of the project, focusing on the new developments.
- **Workplan:** shows the workplan of the project and the workpackage structure. Given that this project is centered on a technological need and challenge that is experienced by a large community of European SMEs, the work plan has been based on a bottom-up, industry driven approach.
- **Partners:** describes the project consortium. Includes the logo of every partner, a brief description and a direct link to their websites.
- **Contact:** shows the contact information of the project coordinator.
- **Private Area**: This section links to the Procemm website which is the chosen online solution for the project management. PROCEMM is an open source internet-enabled system for use in projects that require collaboration over the internet and can be used on an intranet, an extranet, or both.

Keeping the website updated is nowadays a must, because the information flows are faster than ever. For this reason, any new releases, events, participations in fairs etc, are updated on the website periodically.

The main outcomes and public deliverables, demo tests and relevant results for the industry will also be an important feature of the website.

# 3.1.2 Partners Web Sites:

To increase visibility of SOUNDCAST project, several partners implemented within their own website a link to project website and several news.

VDS: <a href="http://www.vdssa.ch/en/index.php">http://www.vdssa.ch/en/index.php</a>

EURECAT (ASCAMM) <a href="http://www.ascamm.com/2013/03/20/ascamm-desenvolupa-tecnologia-per-al-proces-de-fosa-de-metalls/">http://www.ascamm.com/2013/03/20/ascamm-desenvolupa-tecnologia-per-al-proces-de-fosa-de-metalls/</a>

TU-BS: <a href="http://www.ifs.tu-braunschweig.de/forschung/laufend/leichtmetall-druckguss/eu-315506/">http://www.ifs.tu-braunschweig.de/forschung/laufend/leichtmetall-druckguss/eu-315506/</a>

11/11/2015 Review 1.0 Project No: 315506 Page 9 of 35





## **IK4-AZTERLAN:**

- http://www.azterlan.es/en/difusion\_tecnologica.aspx: present a brief summary of the project
- http://www.azterlan.es/en/actualidad\_ficha.aspx?origen=actualidad&id=6d63a410-5a76-415f-89e6-be0295750cfb&pagina=0: summary of the oral presentation of Soundcast results at Conference on Heat Treatment 2015 and 22<sup>nd</sup> Heat Treatment and Surface Engineering Congress.
- http://www.azterlan.es/en/actualidad\_ficha.aspx?origen=actualidad&id=a407a285-5204-40ca-bc54-23f931ea5d02&pagina=1: IK4-Azterlan consolidates the research line on light alloys and aluminum transformation processes with the participation in a new European project in this field.

# 3.1.3 CORDIS Web Page

As every EU funded project, SOUNDCAST is published for special promotion on the CORDIS Web Page in collaboration with the EU.

- <a href="http://cordis.europa.eu/project/rcn/105850\_en.html">http://cordis.europa.eu/project/rcn/105850\_en.html</a>
  - Result In Brief: Eco-friendly low-porosity casting
  - Report Summaries: Periodic Report Summary 1 SOUNDCAST (Vacuumassisted high pressure die castings with reduced porosity at low cost)



Figure 3.1.2: Soundcast – Cordis Web page

# 3.2 Industrial, Business Dissemination

The goal of the industrial and business dissemination activities is to raise awareness within the European casting related organizations, especially SMEs, and wider (general) public about the activities and results of the SOUNDCAST project.

The following sections provide detailed information on all publications, attended events and other types of dissemination involvement related to industrial and business dissemination.

11/11/2015 Review 1.0 Project No: 315506 Page 10 of 35





# 3.2.1 Fairs dissemination

Casting sector is very active in Fair and International Expositions as it could be seen in the following table of activities in which Soundcast project dissemination has been performed.



11/11/2015 Review 1.0 Project No: 315506 Page 11 of 35





# Link or reference Date Location

10<sup>th</sup> EUROGUSS

Casting

Biannual International Trade Fair for Die

14-16 January 2014
Nuremberg(Germany)

# **Partner Exhibitor stand / Attendance**

# **Chem-Trend exhibitor stand**



- IK4-AZTERLAN: A. Bakedano and A. Fernández

# 10<sup>th</sup> METEF

Biannual International fairs for the aluminium, technological metals, and foundry sector

11-13 June 2014

Verona, Italy

400 exhibitors 10000 visitors (http://www.tradefairdates.com/metef-M7767/Verona.html)

# **VDS** exhibitor stand



**Chem-Trend exhibitor stand**Same flyer than at Euroguss



11/11/2015 Review 1.0 Project No: 315506 Page 12 of 35





# Link or reference

### **Date/Location** 71<sup>st</sup> WFC World

Foundry Congress and International **Exhibition** (biannual)

19-21 of May 2014 Bilbao (Spain)

1.200 people

# **Partner Exhibitor stand / Attendance**

# **IK4-AZTERLAN** exhibitor stand

New flyer and a short video were presented





# VDS exhibitor stand



# 13<sup>th</sup> GIFA International (every four years)

16-20 of June 2015

Düsseldorf, (Germany)

942 exhibitors

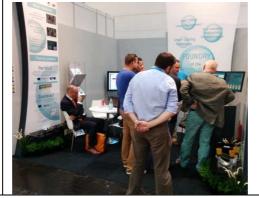
48783 visitors

http://www.expodatabas e.com/tradeshow/gifainternational-foundrytrade-fair-with-wfotechnical-forum-257.html

# Chem-Trend exhibitor stand



# **IK4-AZTERLAN** exhibitor stand





11/11/2015 Review 1.0 Project No: 315506 Page 13 of 35







# Link or reference Date/Location

# 13<sup>th</sup> GIFA International

(every four years) 16-20 of June 2015

Düsseldorf (Germany)

942 exhibitors 48783 visitors

http://www.expodatabas e.com/tradeshow/gifainternational-foundrytrade-fair-with-wfotechnical-forum-257.html

# **Partner Exhibitor stand / Attendance**

# **EURECAT** exhibitor stand





# 3.2.2 General, Industrial and Business Publications

IK4-Azterlan's place its faith in the development of structural automotive parts at low prices    Empresa XXI   Sectorial newspaper addressed to Basque Country industries   1st April, 2013   8,418 copies per issue   1k4-Azterlan   1k4-Azterlan	Title of Publication	Publication media reference	Date impact	Authors (partners)
	faith in the development of structural automotive	Sectorial newspaper addressed to Basque Country	1st April, 2013 8,418 copies per issue	•

## IK4-Azterlan apuesta por el desarrollo de piezas estructurales de automoción a bajo precio

Participa en el proyecto europeo Soundcast para crear aleaciones de aluminio reciclado

► lis4-Atterlan aportará a la industria de fundición un mayo valor afladido al trabajer en la actualdad en el desarrollo de piezas estructuneles de automoción a bajo concelas de automoción a bajo concelas de automoción a bajo consoundicast, el centro de investigación metallurgico se encuentra inmenso en la creación de nuevas aleaciones de metal recuperado.

MAMA/IZONO, howepe Describer pieze enfrecturale de Describer pieze enfrecturale de Proposition de la proposition de Confine de Inventagación Mendargo, Confine de Inventagación Mendargo, IZONO, de la proposition de Composition de la proposition de La finalización de la altituda en cubidad, anticipante de la confine de la confine de la publicación de vación y habricontes de apulicación de vación y habricontes de la publicación de vación y habricontes de la proposition de la confine de la confine de proposition de la confine de la confine de proposition de la confine de la composition de la confine de la composition de la composition de la confine de la composition de la composition de la confine de la composition de la composition del confine de la composition de la composition del confine de la composition del composition del confine de la composition del composition del confine del composition del composition del composition del composition del confine del confine del composition del composition del composition del confine del composition del composition del composition del composition del confine del composition del composition del composition del composition del composition del confine del composition del composition del composition del composition del composition del com e e glécitation en la section de la contraction de la contraction

de van aleuciones de metal recuperado la olo que se lo mismo, de material los oloques el omismo, de material los ologos procedentes de mismo. Al osciones procedentes de mismo. Al osciones procedentes de mismo. Al osciones de metalos de control del material de material la la investigación el ala investigación atualente desarrel los hemiticos medicambientes del proyecto, y que "ello mesmismo procedentes de control del des deservados de control de la investigación atualente de la la investigación de la deservado de la deser

antigates or to so the Abada.

Proyecto Soundcast

accord of use do transactions on

moverá el uso de tratamientos térmicos con menor consumo energitico, lo que dará como resultado una reducción de las misiones de COI y alcunición de la chatarra de aluminio. El centro metalúrgico afianza con sele propueto su presencia en el ámbito del aluminio, más concretamente en el desarrollo de alesciones

inceite entropeo será may impomient, si as tiene en cuntas que chrego látrico un 30 por ciento do livera de la compania de la compania de la mediante proceso de indiciona que en la estrabilidad se está periciona en la establidad se está periciona exponen desde IR-Asterian. Como exposicione de la Cultura su requestrimientos de la Cultura de JOS por por 2018. Es ses contestos, oferere a la industria de fundition un valor adaldos hely costa-

# **SOUNDCAST Publication on Empresa XXI**

Ascamm develops technology for the process of casting metals	Asociación Española de "Rapid Manufacturing"	7 <sup>th</sup> March 2013	Manel da Silva, ASCAMM
Ascamm develops technology for the process of casting metals	Parc Tecnològic del Vallès	21st March 2013	Manel da Silva, ASCAMM
Ascamm develops technology for the process of casting metals  Diari of Sabadell, newspaper addressed to		Estimates reveal that	Manel da Silva, ASCAMM

11/11/2015 Review 1.0 Project No: 315506 Page 14 of 35





Title of Publication	Publication media reference	Date impact	Authors (partners)
Ascamm heads research for new technologies focused on casting metal process	interempresas Newspaper	Louinated reveal that	Manel da Silva, ASCAMM
rechnology for casting	Revista FUNDIPress No. 47, April 2013, p. 14 addressed to Spanish casting industry	14, April 2013	Manel da Silva, ASCAMM



# **SOUNDCAST Publication at Diari of Sabadell**

Development of a new IK4 Newsletter addressed to 4<sup>th</sup> June, 2013 Ana Fernández, secondary aluminium alloy IK4 research alliance 1,200 researchers IK4-Azterlan with high performance for community researchers and technicians the HPDC industry 17<sup>th</sup> May 2013 IK4-Azterlan promotes the INTEREMPRESAS Ana Fernández, development of structural newspaper addressed to 8.118 copies per IK4-Azterlan components at low cost Spanish industries issue



**SOUNDCAST Publication at IK4 Newsletter and Interempresas.** 

11/11/2015 Review 1.0 Project No: 315506 Page 15 of 35





-   -   -   -   -   -   -   -   -   -		***		
Title of Publication media Publication reference		Date impact	Authors (partners)	
IK4-AZTERLAN promotes that "Soundcast project is the answer to the need for democratization of high integrity light weight structural	Journal page 20 (printed copies)	October 2015 Provided to all 751 MEPs (Members of EU Parliament) It has been circulated throughout the European Commission, Committee of the Regions, the European Council and for the 6,000 regional and municipal delegates attending the Committee of the Regions' OPEN DAYS Week of Europe's Regions and Cities		
castings"	The Parliament Magazine website (on-line) https://www.theparliament magazine.eu/articles/magaz nes/regional-review-october-2015	e Parliament Magazine website is receiving 75,000 visits per month from institutions, companies, NGO's, charities, regional governments and development agencies all over the European Union		
The Soundoust project arms at the democratization of high integrity. We get a considerable of the control of th	sys, reduces could help in this promotion.  Spain, NH-AZTERUAN is a secidating and tetranece costs.  All GPPUTURITY PUBLISHED in the automotion brokustry, it is established promotion, meet manufacturing in the automotion brokustry, it is established to lover manufacturing costs as well significant weight designs. Viscusing by HPDC. It is established by the promotion and promoting involved get manufacturing the weight designs. Viscus held elisately help acquired by the promotion and the promotion of the promotio	European authorities must we together to find cross-border solutions to common problem.  In financeols adapted to allow common thateures find the problem of the financeols adapted to allow common characters for the implementation of the control body of the first and control body of the first and common control to common from the first and common control to the implementation of the problem of the first and beginning to the first and common control to the transport of the first and beginning to the first and beginning the first and beginning to the first a	Selectives. These books and spanial books and sp	

# SOUNDCAST Publication at Regional Review, European Parliament Journal (Printed copies& on-line)

AZTERLAN

The automotive	AGENCIA SINC	18 noviembre 2015	Ana Fernández,
industry searchs for			
lighter and suistanable	Estrategia empresarial	16-30 noviembre 2015	IK4-Azterlan
alloys	N°: 502		
•			

11/11/2015 Review 1.0 Project No: 315506 Page 16 of 35





# 3.3 Scientific Dissemination

The goal of the scientific dissemination activities is to raise awareness within the European and International R&D scientific and academic communities about the activities and results of the SOUNDCAST project.

Scientific publications of the SOUNDCAST project results are part of Conferences presentation, poster and printed papers. The academic papers published by the SOUNDCAST partners are either individual publications, with one project partner involved per publication, or joint publications by two or more partners.

The following sections provide detailed information on the publications published in journals, as well as conference papers submitted and attended events.

# 3.3.1 Scientific Publications

TD:41 C.41 4: 1	N.T.	0 ' ''	G. 14 6 1
Title of the article	Name	Organization:	Size and type of audience
	Date of the event	Name of authors (attendance people)	
	NADCA: Die Casting Congress & Exposition 8-10 October, 2012 Indianapolis, USA	VDS: C. Bagnoud	International Scientific & Die Casting industries (HPDC industries)
Something New in Vacuum Die- Casting: ProVac® Ultra Sonic Vacuum Valve (Oral presentation)	Something New i Die-Castin ProVac® Ultra Vacuum Va Dr. Christophe Ba VDS SA, Montreux, S	Sonic  Solve  So	The am of this project is to provide a SOURICCAST technology package which above the technicism of sound and wideble worsen-worlded MEMC (MMC) reconsourser at law cond by index secretary of sound and wideble worsen-worlded MEMC (MMC) reconsourser at law cond by index secretary asking existing existing existing existing existing existing existing existing exists and surprise and to existent the "NMC conduction and surprise and to existent the "NMC conduction and surprise and to existent the sound and wideble blockfording process."  **Office the surprise of the NMC final process and the surprise
		Die Casting Association October 8-10, 2012 Indianapolis, IN USA	North American Die Casting Association  North American Die Casting Association  Die Casting Congress & Exposition—October 8-10, 2012. Indianapolis, IN USA
Microstructural features of primary and secondary ductile high pressure die casting alloys for the automotive industry (Oral presentation & paper on CD procedings)	71 <sup>st</sup> WFC (World Foundry Congress) 19-21 of May 2014 Bilbao, Spain	IK4-AZTERLAN: A. Bakedano, R. González-Martínez, A. Niklas, M. Garat, A.I. Fernández-Calvo ASCAMM (Eurecat)(**): M. da Silva	International 1.200 people Scientific & Foundry sector companies
Increasing the weldability of die parts by minimal lubrication (Oral presentation & paper on CD procedings)		TU-BS: Ch. Garthoff, H. Pries, K.Dilger Chem-Trend: D. Tomazic	Companies

11/11/2015 Review 1.0 Project No: 315506 Page 17 of 35







Title of the article	Name	Organization:	Size and type of audience
Title of the article	Date of the event	Name of authors	Size and type of addience
	Date of the event	(attendance people)	
	XIII Congreso Nacional de Materiales, 18-20 June 2014, Barcelona (Spain)	ASCAMM (Eurecat) <sup>(*)</sup> :  E. Nogués, M. da Silva  IK4-AZTERLAN:  A. Bakedano,  R. González-Martínez,  A. Niklas,  A.I. Fernández-Calvo	National 276 people Scientific & technical materials sector.
Efecto de la composición en la microestructura de piezas inyectadas con aleaciones de aluminio de primera y segunda fusión (Poster & abstract on conference procedings)	Efecto de la composición en la micro piezas inyectadas con aleaciones de CALLERAN primera y segunda fusi.  A fieldara 1, 10. devidende descripto 4, A follar 1, 10. de Sior	Electo de la conjunción de constituir de con	Adda con aleaction and the control of the control o
Possibilities of improving weld seam quality in laser welding of aluminum die cast Paper 404, ISBN: 9781940168029 (Oral presentation & paper on CD procedings)	ICALEO® conference 2014: International Congress on Applications of Lasers & Electro- Optics 19-23 October 2014 Sheraton San Diego, Californien (USA)	TU-BS: C. Börner, C. Garthoff, H. Pries, K. Dilger	International 500 people Scientific & laser sector companies (http://www.industrial- lasers.com/articles/2014/10/icaleo- 2014-show-wrap-up.html)
Heat Treatment optimisation of Secondary AlSi10MnMg(Fe) test parts fabricated by vacuum assisted high pressure die casting technology (Oral presentation & paper on CD procedings)	European Conference on heat Treatment 2015 & 22 <sup>nd</sup> IFHTSE Congress 20-22 May 2015 Venize (Italy)	<b>IK4-AZTERLAN:</b> A.I. Fernández-Calvo, A. Bakedano, E. Barbarias, F. Santos. A. Niklas	International 260 people Scientific & experts involved in the heat treatment and surface engineering route (http://www.ifhtse.org/images/Bulletins/2015_02.pdf)

11/11/2015 Review 1.0 Project No: 315506 Page 18 of 35





Title of the article	Name Date of the event	Organization: Name of authors (attendance people)	Size and type of audience
Effect of microstructure and casting defects on the mechanical properties of secondary AlSi10MnMg(Fe) test parts manufactured by vacuum assisted high pressure die casting technology (Oral presentation & paper on Material Todays Journal)	Presented at: Aluminium Two Thousand World Congress and International Conference on Extrusion and Benchmark 12-16 May 2015 Florence (Italy)  Materials today proceedings Elsevier (In press)	IK4-AZTERLAN: A. Niklas, A. Bakedano, S. Orden, A.I. Fernández-Calvo  ASCAMM (Eurecat) <sup>(*)</sup> : M. da Silva, E. Nogués,	International 500 people Scientific & Aluminium technologies (http://www.firenzefiera.it/it/ congresso/9th-world-congress- aluminium-two-thousand/7600)

<sup>(\*)</sup> ASCAMM, actually EURECAT

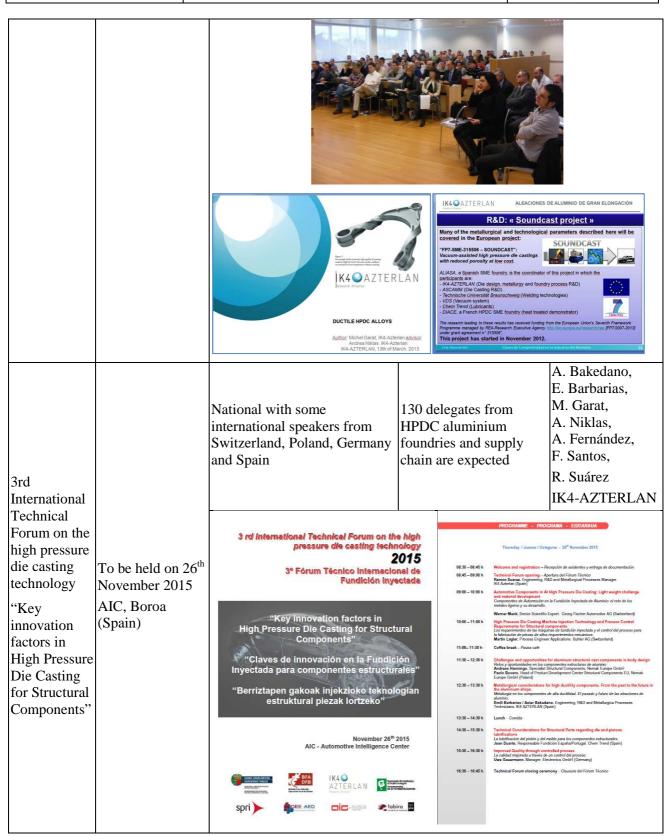
# 3.3.2 Conferences, seminars and workshops

Event	Date and Place	Countries addressed	Size of audience	People attending
	13/11/2012 Tabira Institute, Durango (Spain)	National with some international speakers from France, Sweden and Spain	90 delegates from HPDC aluminium foundries and supply chain 82 delegates from HPDC aluminium foundries and supply chain	
Technical conference: "Competitive keys in aluminium industry" Presentation of "Ductile HPDC alloy"	Due to high demand it was repeated 13/03/2013 Tabira Institute, Durango (Spain)	Jornada Técnica  Jardımaldi Teknikoa  "Claves de competitividad en la industria del aluminio"  "Aluminioaren injekzio prozesuko berrikuntza gakoak"  Durango, 13 de Marzo de 2013  IKAO AZTERLAN  U UDDEHDLM  PEE AED  Labira	Lor constants store a los que tienen que hace fronte in financiones de humaio requierne de estrategias que permitira alcamaz ponciones de mayor competinidad.  Ente propuente de inhajo se centra en algunas claves de la molde y ou cainciteristicas juegen un popul determinante.  La jornada cuestra con la colabbención de reconocidos especialisma de las empresas junto con sicultos del Centro Machingroo IK-4-ATTERIAN.  CD19619VOS / HelD-UVIGH.  - Dur a conocor las caracteristicas maralingias de las electrones de la especialisma de componentes no-firmos.  CD19619VOS / HelD-UVIGH.  - Dur a conocor las caracteristicas maralingias de las electrones de Al empleadas en alta presion.  - Austinza los principales mencaismas de fallo de los moldes de myección de la colaboración de la vida de los moldes de myección.  - Persentar crientos de selectrico de exceso para la optimización de la vida de los moldes de myección.  - Agentica / Goli-zerrencia de myección de la vida de los moldes de myección de la formada.  Sir Naber Gounites - IF. TARERA SE ENTE Balantima - UTILIDADENIO NA INSTITUCIÓN DE PERSONAL DE LA RESIDUACIÓN.  10:15h Análistis de defectos en componentes de invección de la familia. Canattro y solicinases de invención de de la formada.  Sir Naber Gounites - IF. TARERA SE ENTE Balantima - UTILIDADENIO NA INSTITUCIÓN DE CONTROLLOS DE	Presa café  Principales mocasimos de falle en los moldes  Principales mocasimos de falle en los moldes  Se avaliano los principales problemes en  servicio de los moldes de hopecion y alignar  de las ciones de proceso a tener en  de las ciones de la composition de la composition de  recultivamento para la protección de moldes  de ripección.  Se, han Cueles Cangotinheagos  GELLIRON BALTERS  Lunch  Contraino de elección de los acerco para la  optimización de la vida de los moldes de  ripección.  Se praesimo los principales carnaturación de  Se praesimo los principales carnaturación de  Se praesimo los principales carnaturación de  Se procesimo los principales carnaturación de  Se procesimo los principales carnaturación de  Se praesimo los procesos de nos compositos.  Se introdución es calibration de praesimo discribir y solicitudos de procesos de  DOCEDURCAS SI SI SINO para la fabricación de  paracturación y colocitudos de procesos de  Machallo Come, Circular Per Contractivo de  SE Actarna Nilas  Conclusiones y clausura

11/11/2015 Review 1.0 Project No: 315506 Page 19 of 35







11/11/2015 Review 1.0 Project No: 315506 Page 20 of 35





# 3.4 Training activities

Event	Event Date			
Title of presentation	Place	Size and type of audience	Speakers	
Young Students' Seminar at 71 <sup>st</sup> World Foundry Congress	21 <sup>th</sup> of May 2015 Bilbao (Spain)	150 students and technicians from international Universities, research centres, foundries and supply chain industries	A. Fernández, IK4-AZTERLAN	
YOUNG STUDENTS' SPROGRAMME  It was a property and the control of a meeting point design for the control is a meeting point design for the control is a meeting point and increased in granting meeting meeting and borrally observing.  The centre is aimed for proof operations and information in granting meeting and borrally observing the control meeting observed in 1800 and materials deportment.  The Yang Scheeter Senters will be undertaken by all focus in warrow topics of the metal nating observed for the centre of the control meeting observed in the control meeting observed for the centre of the cen	The teleprone of November 2015  Cerdanyola del Vallés (Barcelona)  Sounces of the teleprone of teleprone of the teleprone of teleprone o	properties and supply chain industries are expected.  PROGRAMA PRELIMINAR  9930 - 09-500. Black-relate presentation of proyech Soundcast  A 9900 - 19-500. Black-relate presentation of proyech Soundcast  A 9900 - 19-500. Black-relate presentation of proyech Soundcast  A 9900 - 19-600. Black-relate presentation of proyech Soundcast  A 9900 - 19-600. Black-relate presentation of proyech Soundcast  A 9900 - 19-600. Black-related presentation of the presentation of t	All partners	
Open-house will be held at TU-BS "Welding of high ductile secondary aluminum alloys using conventional and advanced welding techniques"	1 <sup>st</sup> December 2015	10-15 people -Technical directors/ staff responsible for research and development projects -Staff, responsible for welding	H. Pries, F. Teichmann, M. Gillner, K. Noack	

11/11/2015 Review 1.0 Project No: 315506 Page 21 of 35



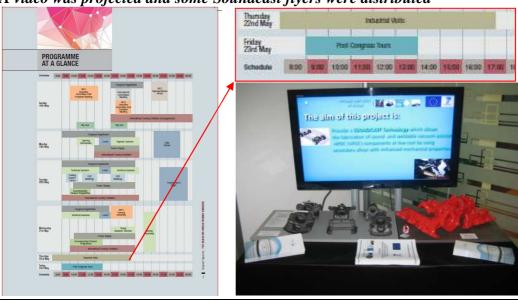


# 3.5 Other Dissemination Activities

# Name & Comment (Link if appropriate)

As part of the activities of the 71<sup>st</sup> World Foundry Congress and International Exhibition hold between 18-23 May 2014, **IK4-AZTERLAN** were visited by 20 scientific and foundry technicias inside the Industrial Visit section of 71<sup>st</sup> WFC on 22<sup>nd</sup> May.

A video was projected and some Soundcast flyers were distributed



Blog release at IK4-AZTERLAN web page (<a href="http://azterlan.blogspot.com.es/2015/06/need-for-high-integrity-light-weight\_25.html">http://azterlan.blogspot.com.es/2015/06/need-for-high-integrity-light-weight\_25.html</a>): "Need for high integrity light weight structural castings".



11/11/2015 Review 1.0 Project No: 315506 Page 22 of 35





# 3.6 Scheduled dissemination actions after the Project.

The dissemination actions of the Soundcast project will continue after the project, For example, the following list of dissemination actions are already scheduled after finishing the Soundcast project.

Link or reference Date Location	Partner Exhibitor stand / Attendance		
Next 11 <sup>th</sup> <b>Euroguss</b> Int. Trade Fair for Die Casting 12-14 January 2015, Nuremberg (Germany)	<b>VDS exhibitor stand:</b> Final Soundcast project results will be disseminated at this important Fair for HPDC sector.		
	Schmale & Schulte exhibitor stand: Final Soundcast project results will be disseminated at this important Fair for HPDC sector.		
	Chem-Trend exhibitor stand: Final Soundcast project results will be disseminated at this important Fair for HPDC sector.		

Title of the article	Name	Organization:	
	Date of the event	Name of authors	
		( <u>attendance people</u> )	
	22-23 June, Venice (Italy)	RUFFINI:	
A new secondary		E. Rosset	
AlSi10MnMg(Fe) alloy for		IK4-AZTERLAN:	
manufacture ductile aluminium		A.I. Fernández-Calvo, A. Bakedano,	
parts by vacuum assisted high		S. Orden, <u>A. Niklas</u> ,	
pressure die casting technology		EURECAT	
		E. Nogués, <u>M. da Silva</u>	
		Schmale and Schulte:	
Laser Beam Welding of Highly	Abstract sent for oral presentation at High Tech Die Casting 2016 22-23 June, Venice (Italy)	S. Greis	
Ductile Secondary HPDC		TU-BS:	
Aluminium Alloy at Reduced Ambient Pressure		K. Dilger; H. Pries; S. Müller;	
		F. Teichmann	
Microstructure and mechanical	Accepted for oral presentation at:	IK4-AZTERLAN:	
properties of a new secondary	INALCO 2016		
AlSi10MnMg(Fe) alloy for	13 <sup>th</sup> International Aluminium	A. Niklas, A. Bakedano, S. Orden,	
ductile high pressure die	Conference – INALCO 2016	A.I. Fernández-Calvo	
casting parts for the automotive	21-23 September, 2016	EURECAT:	
industry	Napoli (Italy)	E. Nogués, M. da Silva	
Effect of vacuum application	In preparation and to be puplisched	IK4-AZTERLAN:	
and heat treatment on porosity		A. Niklas, A. Bakedano, S. Orden,	
formation in a step high		I. Lizarralde, A.I. Fernández-Calvo	
pressure die casting part	in a scientific journal	EURECAT:	
		M. da Silva, E. Nogués	

11/11/2015 Review 1.0 Project No: 315506 Page 23 of 35



# 4. SOUNDCAST Dissemination Tool and Materials produced

In order to disseminate the SOUNDCAST project results and relevant information more effectively and efficiently, the project consortium has elaborated and published the following dissemination materials:

- SOUNDCAST Brochures or Flyers
- SOUNDCAST Posters

The following sections describes and illustrates the stated dissemination materials.

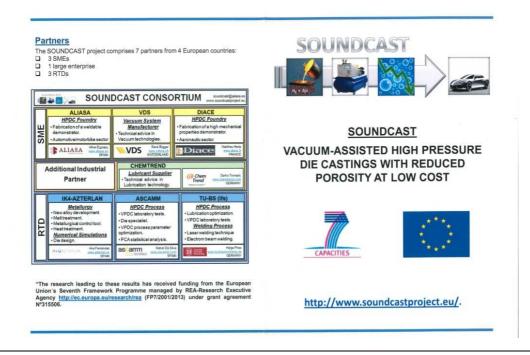
# 4.1 SOUNDCAST Brochures and Flyers

Most of the brochures and flyers were in English, with the exception of Chem-Trend flyer used at Euroguss 2014 and Metef 2015 which is also in German. However, in case any project member needs a version of these documents in a different language, it could be provided that the respective member carries out the translation of the text into their own language.

The focus of the SOUNDCAST Brochure is to introduce the basic info of the SOUNDCAST project. Its purpose is, not only to share the project information, but to attract and intrigue interest of the target public. The following two figures illustrate the outer and the inner side the brochures are comprised of.

The outer side of the brochure contains general project information: the project name and acronym, the Call under which the project is financed, the web site and contact details of the project coordinator. Also, there is information about the project partners as well as illustrations of logos (EU, FP7 and SOUNDCAST).

The inner side of the brochure contains more detailed information about the project, such as: the objective of SOUNDCAST and some interesting results. The flyer has been updated to include new reuts and also changes in the consortium. The SOUNDCAST brochure has been disseminated at the events the project partners participated, as it is indicated in each version.



11/11/2015 Review 1.0 Project No: 315506 Page 24 of 35







Flyer at VDS stand at Euroguss 2014



Flyer at Chem-Trend Stand at Euroguss Fair 2014

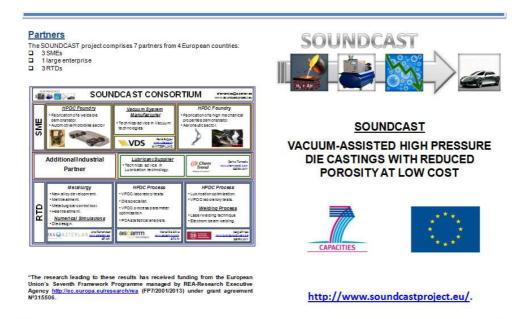


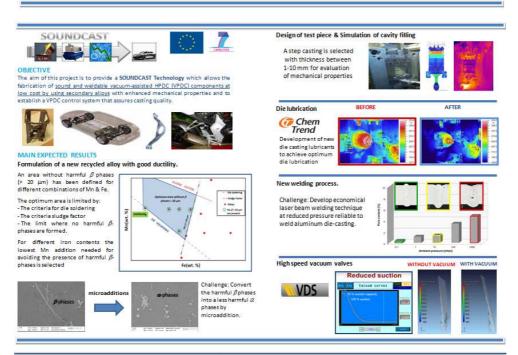
Flyer at Ascamm Stand at Euroguss 2014

11/11/2015 Review 1.0 Project No: 315506 Page 25 of 35







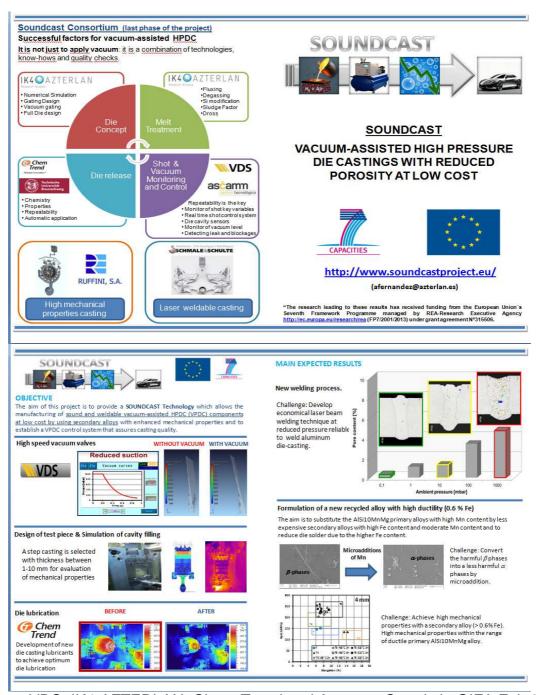


Flyer at IK4-AZTERLAN Stand at 71st WFC Congress and Exhibition at Bilbao (Spain)

11/11/2015 Review 1.0 Project No: 315506 Page 26 of 35







Flyer at VDS, IK4-AZTERLAN, Chem-Trend and Ascamm Stands in GIFA Fair 2015

11/11/2015 Review 1.0 Project No: 315506 Page 27 of 35





# 4.2 SOUNDCAST Posters

Several posters have been also issued during the project course. The poster were used for the events the project partners participated in. The main focus of the poster is to present the project vision and the solution that SOUNDCAST implies, and to highlight the project consortium, EU and FP7 coverage. Following is the illustration of some of these posters.



Poster at Ascamm Stand at Euroguss 2014



Poster at IK4-Azterlan Stand at GIFA 2015

11/11/2015 Review 1.0 Project No: 315506 Page 28 of 35



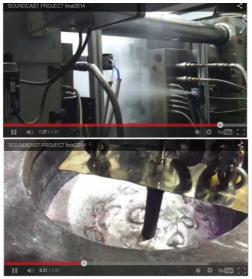


# 4.3 SOUNDCAST Videos

Several videos were used for dissemination during the project.

Soundcast melt treatment and procedures for achieve high mechanical properties are described in a video released in Youtube and Soundcast Website. The full Soundcast process is described, including melt treatment and all the steps of vacuum assisted HPDC process. In the video it is mentioned that the research leading to these results have received funding from the European Union's Seventh Framework Programme. <a href="https://www.youtube.com/watch?v=A1L\_60Xrfls">https://www.youtube.com/watch?v=A1L\_60Xrfls</a>

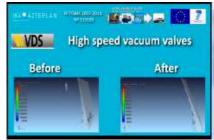




- A **video showing the main project results** was presented at IK4-AZTERLAN stand at International Exhibition at 71<sup>st</sup> World Foundry Congress.







Laser beam welding of a high ductile secondary HPDC aluminum alloy at reduced ambient pressure is showed in a video uploaded at Youtube and Soundcast Website. The video depicts the welding process with a solid state laser. Two high pressure die casting parts, made of a high ductile secondary HPDC aluminum alloy, are welded together here. In a first approach, the welding process is established at ambient pressure. In a second approach, a reduced ambient pressure is enabled for the welding process. The results clearly point out that hereby, a narrow and porosity reduced weld can be achieved.

11/11/2015 Review 1.0 Project No: 315506 Page 29 of 35





# 5. Assessment of dissemination impact

During the SOUNDCAST project course the following results have been achieved in the context of dissemination actions:

- 20 publications 8 scientific publications were published, in scientific journals and conference proceedings. The impact achieved is the interest of other scientific institutions.
   12industrial publications were published seminar, technical conference papers and announcements, articles in newspapers, on the web, etc.
- 10 stands at international Fairs disseminated the Soundcast project results.
- 8 versions of printed dissemination materials (brochures, flyers, posters) have been prepared and distributed in the events attended or organised by the Soundcast partners.
- 3 video materials were published.
- 3 specific training activities have been planned.
- SOUNDCAST Web Site regularly updated
- A minimum of 6 after project dissemination actions are already planned.

The SOUNDCAST project implementation lasted 37 months during which the project consortium has invested efforts on both, the development of the results and promoting it among the target groups. Therefore, the dissemination activities were intensive, comprehensive, responsibility of all partners, and of huge importance – effective since the target groups have expressed interest in project results and potential opportunities for further cooperation and exploitation of the solution have appeared.

Therefore, the consortium believes communication and dissemination activities conducted during the project course have been successful. The consortium will continue the cooperation after the project end on further testing, evaluation and exploitation of the project results, in particular the participating SMEs which are the owners of the main results.

The consortium will continue working on SOUNDCAST technology solution for the commercialization of the main results- registration of the software, IPR management and intensive marketing.

11/11/2015 Review 1.0 Project No: 315506 Page 30 of 35





# **ANNEX I - Templates of documents**

11/11/2015 Review 1.0 Project No: 315506 Page 31 of 35



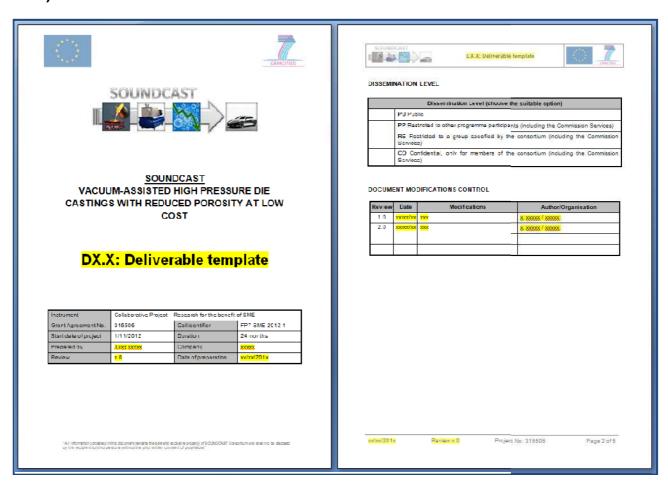


# a) ppt Presentations





# b) Deliverables

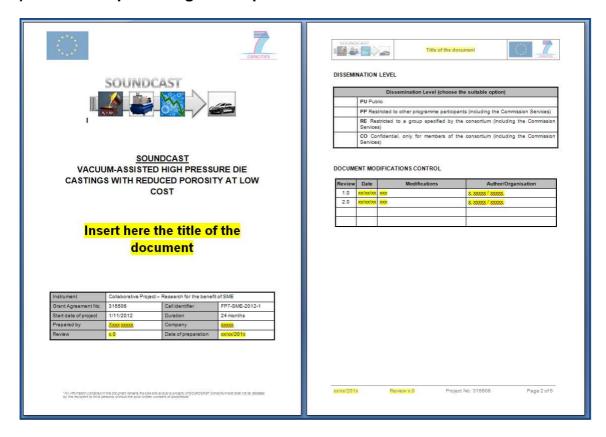


11/11/2015 Review 1.0 Project No: 315506 Page 32 of 35

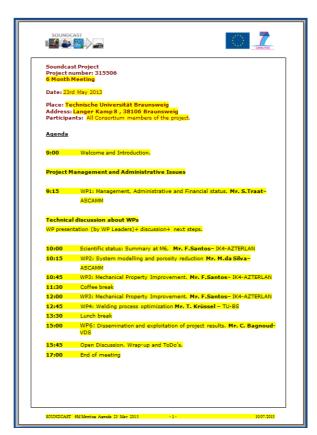




# c) Internal Report: Progress Reports



# d) Meeting Agenda

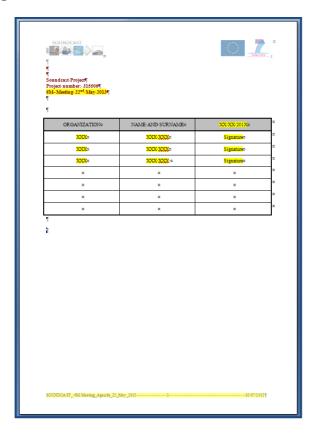


11/11/2015 Review 1.0 Project No: 315506 Page 33 of 35

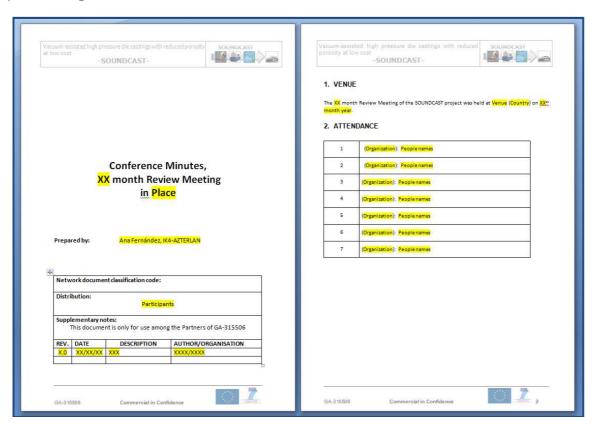




# e) Attendance Register



# f) Meeting Minutes



11/11/2015 Review 1.0 Project No: 315506 Page 34 of 35





# g) Contractual Reports: Periodic Reports





11/11/2015 Review 1.0 Project No: 315506 Page 35 of 35