

Green Foundry LIFE project LIFE17 ENV/FI/000173

Action D1 Dissemination planning and execution Dissemination plan in 2018-2022



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Date: 14.3.2022

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1 Introduction

A dissemination plan will be produced where planned dissemination events, seminars, exhibitions and planned publications from all partners will be listed. This plan will be updated annually with all the dissemination and networking activities which have been carried out annually.

In the beginning of this plan the planned events and publications etc. according to the Grant agreement are shortly listed. Pictures and list of participants in project own seminars and Workshops are presented in separate annexes and pictures are also placed on project website www.greenfoundry-life.com.

2 Policy Impact

The most important result of the project will be a BAT publication on the usage of inorganic binders in ferrous foundries. The publication will be prepared in TWG BREF in cooperation with the project partners. Prof. Orkas from Technology Industries is a member in the working group and he is presenting project activities and results in the meetings. Also the deadline for BREF working group and first drafts is postponed with 6 months to autumn 2020 due to the COVID-19. Currently they are asking emergency technologies from national contact points. Our contact point is Juhani Orkas and we are currently discussing over the technological readiness of our project activities and results. Certain technological results and information are needed of the new innovations.

The project partners in six countries have wide and close contacts with the most relevant stakeholders such as policy makers, authorities, foundry associations and local foundries. One of the main forums for dissemination of the project results will be national and international foundry associations. They arrange seminars and annual meetings which gather together most of the decision makers in foundry branch:

- Finland: Suomen Valimotekninen Yhdistys
- Sweden: Swedish Foundry Association- Gjuteriföreningen
- Germany: BDG –German Foundry Association
- Italy: Assofond
- Spain: Spanish Federation of Foundry Associations- FEAF
- France: French Foundry Association- Fondeurs de France
- Poland: Polish Foundrymen's Association-STOP
- Europe: CAEF Environmental Group
- World: The WFO-The World Foundry Organization

3 Planned dissemination activities

Sub-action D1.1 – Networking with other projects

At least 30 contacts or face-to-face meetings will be carried out in the scope of the task.

Due to the COVID pandemie this goal number is not reached.

UPDATED (02/2022):

Due to the COVID pandemie in Europe in 2020-2021 face-to-face meetings were not arranged. Before 2019 face-to face meetings were arranged by Karhula Foundry and Meehanite Technology with

- 1) Thermal reclamation method supplier Finnrecycling Oy on 13.11.2018
- 2) IFAM and Finnrecycling personnel on 14.11.2018 and
- 3) inorganic binder system supplier LUX Oy on 16.11.2018 at Karhula Foundry (Kotka).
- 4) Ekokumppanit Oy from Tampere City on 30.1.2019, AX Consulting and Meehanite Technology for cooperation and project dissemination purposes.
- 5) Several meetings at GIFA Messe on 26-27.6.2019 with relevant stakeholders e.g. Hüttenes-Albertus, ASK Chemicals, PEAK International, Institute für Giessereitechnick, CAEF (European foundry association), IFAM Fraunhofer, and several device (3D printer, mixer etc supplier and manufacturers).
- 6) Meeting with project partners was also arranged at the GIFA Messe on 26.6.2020.

In 2020-2021 relevant contacts and meetings were arranged by TEAMS or other telecommunication methods. **Relevant networking activities with LIFE projects are listed in section 4.**

Sub-action D1.2 – Dissemination planning and Development of the Dissemination Pack

- 1000-1500 paper copies and electric versions of Layman's Report
- Notice boards in Finland and Spain
- 5 technical publications or articles in relevant magazines
- Website (over 50 000 visitors expected by the end of the project)
- 1000-1500 copies of leaflets in both paper and electric format
- Roll-ups for each partner
- 20-30 events, conferences, meetings and seminars
- Seminar(s) in partner countries (SP FI, IT and FR) at the end of the project for relevant stakeholders (500-1000 persons are informed of project seminars)
- State of Art Workshop for project partners in the beginning of the project in 2018. Partners and relevant stakeholders (10-20) are informed of the Preparatory Workshop.
- Open Workshop for relevant stakeholders for BAT technologies (50-100 persons are informed of the open Workshop) 2020
- Private Workshop for project partners and relevant stakeholders at the end of the project

• Project seminar arranged in 2021 by VALTY as a conclusion of project outcomes and results to wider audience (250-300 persons are informed of the project seminar)

UPDATED (02/2022):

- 1) Layman's Report will be produced
- 2) **6 notice boards** were used at the pilot foundries (Karhula foundry in Finland, Valumehaanika foundry in Estonia and FOM Tacconi in Italy), composting sites in Finland and Spain and thermal reclamation site in Finland during the tests.
- 3) **In total 13 publications** have been produced and published. Publications listed in section 7.
- 4) **The video release** placed in project website from the AXtober webinar arranged on 22.10.2020 (www.greenfoundry-life.com).
- 5) Webinar presentation at Green Week 2021 virtual conference on 3.6.2021 (online).
- 6) **Website updated** with project news, latest project results and Public Webinar information (section 5).
- 7) About **1500 leaflets printed** and delivered to partners to dissemination purposes.
- 8) Due to the COVID pandemie it was not possible to arrange face-to face national seminars as planned in 2021. Therefore partners suggest that project activities and results will be presented in the annual national foundry seminars to be arranged in summer autumn 2022. Events during the project and after the end of the project are listed in section 6.
 - According to the grant agreement it was planned that in total 4 seminars will be arranged in Finland, Spain, Italy and France in 2021. We suggest that in total more seminar presentations will be arranged as planned, also in Germany and Poland. In total 14 seminars will be participated by partners in spring-autumn 2022.
 - Planned national seminar costs have been reallocated to these total 50 events/conferences/webinars carried out by partners in 2018-2022.
- 9) State of Art Workshop was arranged with project partners and relevant stakeholders in 15.11.2018 in Tampere.
- 10) Public Webinar will be arranged on 22.4.2022
- 11) Private Workshop will be arranged after Public Webinar and aim is to go through the comments and feedback from Public Webinar before delivering the Final BAT to BREF Working Group in May 2022.
- **12) One project national seminar by TI will be arranged** in Finland (as listed above) parallel the national foundry seminar "SVY opintopäivät" on **5-6.5.2022 in Tampere.**
- 13) In total 50 events/seminars/webinars participated by partners

Project relevant stakeholders in Europe to contact and invite to project events and project Webinar e.g.:

- Foundries in Finland, France, Italy and Sweden through direct cooperation and dissemination
- Foundries in Europe through general networking and dissemination
- Foundry associations and institutes in Europe (Assofond in Italy, FEAF in Spain, FICME in UK, Association of Hungarian Foundries in Hungary, Swedish Foundry Association and Swerea Swecast in Sweden, Foundry Association in Norge, CAEF in Germany)
- Binder system suppliers (e.g. Hüttenens-Albertus GmbH, ASK Chemicals GmbH,

Beijer Industri AB, Sweden, VESUVIUS GmbH Standort Borken, etc.)

- Authorities in Finland, Italy, France and Sweden
- Governmental environmental protection representatives
- Environmental protection action groups and eco-institutes
- Healthcare sector
- Politicians with economic and environmental emphasis ("policy makers in Europe")
- Composters and waste treatment companies for cleaning the inorganic and organic surplus foundry sands by composting method.

Most relevant events in Europe where participate during the project:

- Waste, Water and Environment in Finland (25 000 visitors)
- Subcontracting Trade Fair in Finland (20 000 visitors)
- Foundry Technology and Melting Furnace (GIFA) in Germany (50 000 visitors)
- Foundry Days in Hungary (200 professionals)
- ELMIA Fair in Sweden (15 000 visitors)
- ITM Fair and METALFORUM Exhibition in Poland (18 000 visitors)
- Tallinn International Fair for Production Engineering, Industrial Equipment, Tooling, Subcontracting and Technical Service in Estonia (4 000 visitors)
- Subcontracting and Maintenance for Tech Industry in Latvia (19 000 visitors)

UPDATED (02/2022):

List of the 50 events/conferences/Webinars/seminars participated by partners in 2018-2022 in **section 6.**

4 Networking activities Networking activities with about 30 relevant EU or LIFE projects

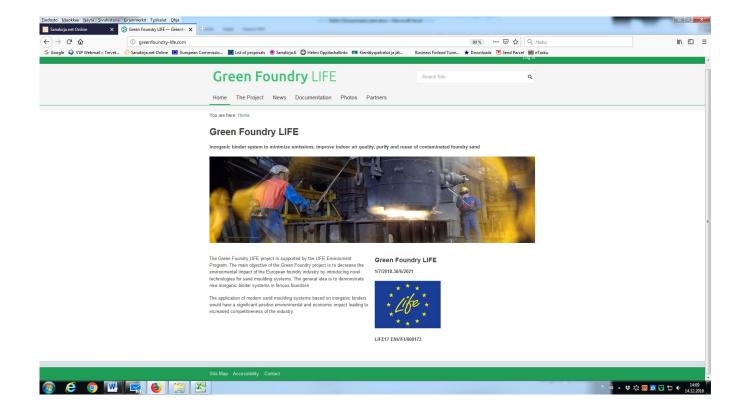
Project name	Years	Website	Form of information exchange	Meetings/Contacts	Contact information
Eureka Project E!4542 Cleanbinders Europe	2009-2012	http://www.eurekanetwork.org /project/id/4542	Potential inorganic binder system supplier for test casts in Karhula Foundry in Finland and FOM Tacconi foundry in Italy.	Emails	cooperation and networking activities ongoing
Gietech-GO	2016-2019	https://www.gietech-go.eu/	This project is continuation for Cleanbinders Europe project. Potential inorganic binders for test casts in Green Foundry project will be discussed and meeting arranged.	Emails	cooperation and networking activities ongoing. Prepared a new LIFE proposal with PEAK, Azterlan and Meehanite.
Foundrytile (LIFE14 ENV/ES/000252)	2015-2018	https://www.foundrytile.eu/	Exchanging experiences related to the valorization of iron foundry sands and dust in the ceramic tile production process.	Emails	cooperation and networking activities ongoing
LifeCeram LIFE12 ENV/ES/000230	2013-2016	https://www.lifeceram.eu/en/	Exchanging experiences in developing a new ceramic tile, consisting mainly of waste, for outdoor applications.	Email	Instituto de Tecnología Cerámica (ITC), itc@itc.uji.es www: http://www.itc.uji.es
Foundrysand (LIFE13 ENV/FI/000285)	2014-2017	http://life-foundrysand.com/	Green Foundry LIFE project is partly continuation for Foundrysand project. Close cooperation with the partners and pilot foundries. Results from the Foundrysand project will be utilised in the demonstration actions related to reuse and	Cooperation with pilot foundries and partners	Meehanite Technology Oy, Finland

			cleaning the inorganic surplus foundry sand in Green Foundry LIFE project.		
LIFE EcoSandfill	2016-2019	www.life-ecosandfill.eu	The project aims at demonstrating the technical, economic and environmental feasibility of using reclaimed Spent Foundry Sand (SFS), properly pre-processed through innovative mechanical treatments, as fine aggregate in three construction applications. Exchanging information of reclamation method and results will be made between these projects.	Emails, teams meetings.	cooperation and networking activities ongoing
Odorless Casting (LIFE10/ENV/FI/000 059)	2011-2014	www.odorlesscasting.com	The aim of the Odorless Casting project is to address the problems related to the air pollution control of odorous and hazardous emissions from foundry processes and to provide solution techniques for different type of foundries	Utilisation of the measurement data and emissions and odors from foundry processes.	Cooperation with project partners,
CirkWaste	2016-2023	https://www.syke.fi/en- US/Research_Development/Re search_and_development_proje cts/Projects/CIRCWASTE_Tow ards_Circular_Economy_in_Finla nd	CIRCWASTE – Kohti kiertotaloutta" on seitsenvuotinen EU LIFE IP -hanke, joka edistää tehokasta materiaalivirtojen käyttöä, jätteen synnyn ehkäisyä ja resurssien hallinnan konsepteja. Tavoitteena on toteuttaa valtakunnallista jätesuunnitelmaa (VALTSU) ja luotsata Suomea kohti kiertotaloutta. CIRCWASTE on 20 kumppanin ja 10 osarahoittajan luomus, jonka koordinaattorina toimii Suomen ympäristökeskus. Hanke saa suuren osan rahoituksesta Euroopan komission LIFE-ohjelmasta.	Email. Webinar 15.3.2022	Tuuli.myllymaa@syk e.fi TEAMS webinar 15.3. Betonin hiilensidonta ja kiertotalous

5 Project website

Project website was opened in November 2019 www.greenfoundry-life.com. Coordinator updates news, events, project activities regularly. There is a private and public site. Username is visitors and password is Greenfoundry.

In the private site there are rules, templates but we agreed that coordinator will email agendas and memos to partners directly. Project deliverables with confidential information are placed in the private site. In public site we have placed the general reports, results of actions, in the future the Layman's report and After LIFE Communication Plan.



6 List of relevant events participated between 1.7.2018-30.6.2022 (20-30 events in the grant agreement)

	Date	Name of the event/seminar/exhibition	Place, country	Form of participation e.g. presentation/disseminat ion materials/stand	Number of particip ants in the event	Target audience	National Na/ Internati onal Int.	Partner(s)	Participate d/Expected
1		W: 1 CC .: C I III	D 1			LIFE project			P
	6- 7 11 2019	Kick-off meeting for LIFE	Brussels, BE	Green Foundry project	50	representatives,	Test	Meehanite	
2	7.11.2018	projects 2017	BE	presentation	50	NEEMO, EASME	Int.		P
2				Green Foundry project				All partners + 3 system	P
				objectives, activities,		Partners, inorganic		suppliers +	
				timetables, financial		binder system		research	
	15.11.2018	Green Foundry kick-off meeting	Tampere, FI	issues	22	suppliers	Int.	organisation	
3						Foundry			
	28-			Project presentation by		representatives,			
	29.3.2019	"Valun käytön" -seminar	Tampere	Meehanite/Valty	100	system suppliers	Na	AX, Valty	
4				Presentation of the					P
				project (conference		Foundry managers,			
				programme, printed		engineers, research			
				materials)		people, Polish			
	14 12 2019	Dollah Foundminan's Day 2019	Vanladyy, DI	https://odo.foundry-	220	Foundrymen's Association			
	14.12.2018	Polish Foundrymen's Day 2018	Kraków, PL	conference.com/en/	<i>22</i> 0	ASSOCIATION	Int.	AGH	

5						Students, professors,			P
						researches in the			•
						field of			
		RekryLAB-days was arranged at				environmental and			
		Tampere in Tampere University		Project presentation and		energy-, bio- or			
		and Tampere University of		dissemination materials		material technique			
		Applied Sciences		https://rekrylab.com/mik	About	and companies from			
	16.1.2019	Applied Sciences	Tampere	a-on-rekrylab/	200-300	that fields	Na	AX	
6	10.1.2017		Tampere	a-on-text yiao/	200-300	Industry sectors,	INA	AA	P
0				Presentation by Sara		designers, decision			1
	25.10.2019	AXtoberfest	Tampere	Tapola	200	makers	Na	AX	
7	23.10.2019	AAtoberiest	Tampere	Тарога	Webinar	makers	INA	AΛ	P
'					/video				Г
					release	Industry sectors			
				V. 1 1	at	Industry sectors,			
	22 10 2020	AVA -1 - of - of (IVI-1: o - o)	T	Video release of Green	www.ax.	designers, decision	NI-	A 37	
0	22.10.2020	AXtoberfest (Webinar)	Tampere	Foundry LIFE project	<u>fi</u>	makers	Na	AX	P
8				Project dissemination					P
	7-8.2.2019	SVY opintopäivät	Tampere	material/presentation	40	Foundry engineers	Na	Valty	
9	18-19	3 v 1 opintoparvat	Tampere	material/presentation	40	1 oundry engineers	INA	varty	P
)	March			Dissemination material		Raw material			1
	2019	European Coating Show	Nürnberg	at IFAM fair booth	????	suppliers	Int.	IFAM	
10	2019	European Coating Snow	Numberg	at If Alvi fall bootii	1111	suppliers	1111.	Meehanite,	P
10								UNIPG, CTIF,	r
								IFAM,	
								Karhula,	
								Foundryteam,	
				Roll-up at IFAM stand,				Technology	
				project meeting, meeting				Industries of	
	25-29 June	International Foundment and a fair	Düsseldorf,	inorganic binder system	0.7.2.0			Finland, Tecnalia,	
		International Foundry trade fair	,	suppliers, networking, disseminatin materials	over 40,000	foundary in dustary	Int	FOM Tacconi	
11	2019	GIFA	Germany		40,000	foundry industry	Int.		D
11				Roll- up at Karhula		in descript as non-		Karhula	P
	0.4	A19 11 / / / / / / / / / / / / / / / / /		foundry stand,	1 .	industrial companies,		foundry,	
	24-	Alihankintamessut (subcontracting		dissemination materials,	about	experts, decision	T .	Technology	
	26.9.2019	fair)	Tampere	contacting and	20,000	makers	Int.	Industries of	

				networking with				Finland,	
				foundries				Meehanite,	
								AX	
12				Presentation by Tommi				Aalto	P
				Sappinen,				University,	
		Euromat conference (European		Symposium				IFAM	
		congress and exhibition on	Stockholm,	Organization by Dirk		www.euromat2019.fe		(symposium	
	3-5.9.2019	advanced materials and processes)	Sweden	Lehmhus, IFAM	2600	ms.eu	Int.	Organization)	
13		•		Discussions of Green					P
				Foundry LIFE project					
				activities and progress.					
				presentation by Pekka		Representatives of			
	31.5		Zagreb,	Kemppainen including		CAEF			
	1.6.2019	CAEF annual meeting	Croatia	also Green Foundry	30	Environmental topics	Int.	TT	
14				Topic as part of the		Finnish Foundry			P
		Finnish Foundrymen Association	Kotka,	Presentation by Pekka		Technicians and		Karhula	
	04.10.2019	Annual meeting	Finland	Kemppainen	45	Manager	Na	Foundry	
15						Engineers,			P
						consultants,			
	25.10.2019	Seminaari Elinkaaritehokas		Green Foundry LIFE		authorities,		Meehanite	
		hiilijalanjälki- seminar	Tampere	project presentation	190	foundrymen	Na	Technology	
16				Dissemination of Green		Authorities, decision			P
	20		Lappeenrant	foundry LIFE project,		makers, measurement			
	21.8.2019	Ilmansuojelupäivät	a, Finland	stand/roll-up	150	experts	Na	AX Consulting	
17									P
		Rekrylab event at Technical				Students, teachers,			
	16.1.2019	Univeristy of Tampere	Tampere	Dissemination material	200	Engineers	Na	AX Consulting	
18						waste treatment			P
						centers, authorities,			
						regulatory bodies,			
				https://www.sardiniasym		professors, experts in			
		SARDINIA 2019 - 17th		posium.it/ Poster		waste treatment,			
	30.9	International Waste Management	Cagliari,	presentation		universities, students,			
	4.10.2019	and Landfill Symposium	Italy	Dissemination Material	675	etc.	Int.	UNIPG	
19			TerraRossa						P
	28-10-		di Ronca',			Industrial core			
	2019	Meeting with VI srl	Italy	Dissemination Material	15	making expert	Na	UNIPG	

20	20.11-22- 11-2019	ISM The International Conference on Industry 4.0 and Smart Manufacturing Meeting between University of	Cosenza, Italy	Presentation "the Lean Production as a Tool for Green Production: the Green Foundry Case Study (#83)" Dissemination Material Dissemination of Green	200	Academic, expert in Modeling and Simulation in Industry Researchers,	int.	UNIPG	P
	10.12.2019	Perugia Research Teams and start up from Tunis	Perugia, Italy	Foundry life project, stand/roll up	50	Students, experts, industrial companies	Int.	UNIPG	
22	10-11 June 2021	EMSET 2021: Engineering Materials : Safety- Environment-Technology : II international conference	Zielona Góra, Poland	Green Foundry results project presentation	Aprox.	academic professionals	Int.	AGH	P
23	28-30 October 2021	The 25th anniversary of Hüttenes-Albertus Poland https://ha-polska.foundry-conference.com/en/	Kraków, Poland	Green Foundry results project presentation	Aprox. XXX	foundry industry and academic professionals	foundry industry and academic profession als	AGH	p
24	15-17 September 2021	61st IFC Portoroz https://www.drustvo-livarjev.si/	Portoroz, Slovenia	Green Foundry results project presentation	Aprox. XXX	foundry industry and academic professionals	foundry industry and academic profession als	Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Università degli Studi di Perugia, AGH University of Science and Technology, Meehanite Technology	p

25				Dissemination material		6 1 1 1			P
	1.4		N	at Fraunhofer IFAM		foundry industry			
	14	Erres avec 2020 Tree de Feir	Nuremberg,	booth	approx.	(Focus on high	Test	IFAM	
26	16.01.2020	Euroguss 2020 Trade Fair	Germany	www.euroguss.de	15,000	pressure die casting)	Int.	IFAM	P
26		DDC (Common Francisco Indicators		invited presentation on		foundry industry and			P
		BDG (German Foundry Industry		Green Foundry LIFE		academic			
		Association) Technical Committee		project, distribution of		professionals, event			
		Light alloys – sand and gravity die	D 11 1	dissemination material,		took place at			
		casting	Baddeckenst	contact established with		Hüttenes Albertus			
		(Fachausschuss Sand- und	edt,German	E.Radtke, BREF process		Centre of			
	05.03.2020	Kokillenguss)	У	representative from BDG	40-50	Competence	Na	IFAM	
27				Poster Presentation on					P
				Green Foundry LIFE					
				project (D. LEHMHUS,					
				S. A. SAETTA, M.					
				HOLTZER, R. DAŃKO,					
				S. TAPOLA: Green					
				Foundry LIFE:					
				Evaluating Inorganic		Foundry Industry,			
				Binder Usage in Iron and		Suppliers and			
				Steel Casting from		Academia –			
	15	61st Slovenian Foundry	Portoroz,	Workplace Emissions to	approx.	conference with			
	17.09.2021	Conference Portoroz 2021	Slovenia	Environmental Impact)	200	associated exhibition	Int.	IFAM	
28	08 – 10	XXVI edition of the Summer	Bergamo,	Presentation "Waste	200	Academic, expert in	Int.	UNIPG	Р
	Septmber	School "Francesco Turco" -	Italy	reuse as a tool for		Industrial Plants			
	2020	INDUSTRIAL SYSTEMS		increasing sustainability					
	2020	ENGINEERING AMID		in					
		CHANGE AND UNCERTAINTY IN		industrial production"					
		THE NEXT NORMAL		Industrial production					
29	9 – 11	XXV Summer School F. Turco 2020	Porgamo	Presentation "A	200	Acadomic ovport in	Int.	UNIPG	P
\\ \alpha \\ \alpha \\ \ext{\lambda} \\ \alpha \\ \alpha \\ \ext{\lambda} \\ \alpha \\		AAV SUITIITIEI SCHOOLF. TUICO 2020	Bergamo,		200	Academic, expert in Industrial Plants	1111.	UNIFG	「
	Septmber		Italy	simulation model for the		IIIUUSIIIdi Pidiiis			
	2020			operations					
				management					
				sustainability"					

30	3.6.2021	the EU Green Week 2021 virtual conference on 3.6.2021	On line, Brussels	Video release of Green Foundry LIFE project	??	IED directive public audience, LIFE project representatives, etc.	Int.	Meehanite	P
31	10 – 11. 06. 2021	II International Conference Engineering Materials. Safety – Environment – Technology (EMSET 2021). Video conference	Krakow	Video release of Green Foundry LIFE project	??		Int.	AGH	P
32	28-30, 2021 October	The 25th anniversary of Hüttenes- Albertus Poland	Kraków, Poland	https://ha- polska.foundry- conference.com/en/	Aprox.	foundry industry and academic professionals	foundry industry and academic profession als	AGH	p
33	7- 8.11.2018	International CTIF's Days : "MetalDays"	Chaville, France	Conference "Characterization and beneficial reuse of foundry sands with inorganic or organic binders"	560	Foundrymen, Suppliers, Engineers, Sales engineers	Int.	CTIF	P
34	13.10.2020	Webinar "Enhance your foundry sands"	On line	Presentation on the issue of foundry sand recycling, emerging treatment technologies and the new CTIF's platform dedicated to R&D for the recycling of chemically bonded sands	41	Foundrymen, Suppliers, Engineers, Sales engineers	Na	CTIF	P
35	15- 19.11.2021	Feedback on the progress of the Green Foundry Life project and calls for expressions of interest for the future Green Casting project	Sèvres, France	Dissemination on Green Foundry life project	10	Foundry industries	Na	CTIF	P

36	25.3.2021	Valty webinar	On line, Tampere	Green Foundry project presentation	100	Foundry engineers, casting users, suppliers	Na	Technology Industries of Finland	P
37	28.02.2022	Webinar	On line	Green Foundry LIFE project presentation	?	Foundrymen, Suppliers, Engineers, Sales engineers	Na	CTIF	Е
38	25.03.2022	Webinar	On line	Progress of the European project "Green Foundry Life" and work carried out by CTIF	?	Foundrymen, Suppliers, Engineers, Sales engineers	Na	CTIF	Е
39	21.04.2022	Webinar	On line	European project "Green Foundry Life", dissemination of project results	?	Foundrymen, Suppliers, Engineers, Sales engineers	Na	CTIF	Е
40	16.05.2022	Webinar	On line	European project "Green Foundry Life", dissemination of project results (re-broacast)	?	Foundrymen, Suppliers, Engineers, Sales engineers	Na	CTIF	Е
41	0810.06. 2022	Euroguss 2022 Trade Fair	Nürnberg, Germany	Dissemination material at Fraunhofer IFAM booth www.euroguss.de	approx. 15,000	foundry industry (Focus on high pressure die casting)	Int.	IFAM	Е
42	Autumn 2022	BDG (German Foundry Industry Association) Technical Committee Light alloys – sand and gravity die casting (Fachausschuss Sand- und Kokillenguss)		potential update presentation on Green Foundry Results	40-50	foundry industry and academic professionals	Na	IFAM	Е
43	September 2022	FEAF (Spanish Foundry Industry Association) Technical Committee	Bilbao Spain	Presentation of Green foundry LIFE project	20-30	Spanish foundry industry and academic professionals	Na	Tecnalia- Araba	Е

44	12-17 June 2022	BIEMH 2022 Trade Fair	Bilbao Spain	Dissemination material at TECNALIA booth www.biemh.es	App. 3,000	Mechanical and industry	Int.	Tecnalia	Е
45	56.5.2022	SVY opintopäivät	Tampere	Green Foundry project presentation	50	Foundry engineers	Na	Technology Industries of Finland	Е
46	30.3.2022	Lecture in Aalto University	Espoo, Finland	Green Foundry project presentation	50	Mechanical Engineering students	Int.	Technology Industries of Finland	Е
47	3 4.11.2022	Valun käytön seminaari	Tampere	Green Foundry project presentation	140	Foundry engineers, casting users, suppliers	Na	Green Foundry project presentation	Е
48	Oct-Nov 2022	36 Congresso Tecnico di fonderie organized by Assofond	To be decided	Oral presentation	300	Italian foundry companies	Na	UNIPG	Е
49	2-4 November 2022	ISM 2022 The International Conference on Industry 4.0 and Smart Manufacturing	Linz, Austria		200	Academic, expert in Modeling and Simulation in Industry	Int.	UNIPG	Е
50	28.4.2022	GREEN FOUNDRY LIFE PROJECT PUBLIC WEBINAR	On line	Green Foundry LIFE project public webinar	250-300	Foundries, foundry engineers, binder system suppliers, decision makers, authorities etc.	Int.	all partners	P

7 List of publications produced 1.7.2018-30.6.2022

	Year	Name of magazine	Name of article	Website	Circulatio n of the magazine	Langu age	Paper/ele ctric version	Partner	Produced/ expected
	Tear	rame of magazine	rame of affice	Website	magazine	age	VCISIOII	T at the	
1	2018	AX –magazine	Green Foundry LIFE project	not available	1300	Finnish	P	Meehanite/AX	P
2	2019	AX-magazine	Green Foundry LIFE project presentation	-	1300	Finnish	P	Meehanite/AX	P
3	2021	AX-magazine	Green Foundry LIFE	-	1400	Finnihs	P	Meehanite/AX	P
4	2019	Foundry Journal of the Polish Foundrymen's Association 11-12-2018	Inorganic binder investigations Green Foundry LIFE project		250-300	Polish & English	P	AGH	P
5	2019	ScienceDirect	Lean production as a tool for green production: the Green Foundry case study	www.sciencedirect.com	weblink	English	Е	UNIPG	P
6	2019	SARDINIA 2019 - 17tl International Waste Management and Land Symposium	Improve the use of natural reso inorganic binders in iron and st case of the Green Foundry LIF			English	Paper	UNIPG	P
7	2018	Article in MetalBlog	The new inorganic silicate- based binders	MetalBlog	Web link	French	Е	CTIF	P

8	2018	MetalNews (CTIF's newletter)	Inorganic binders at the heart of the new Green Foundry project	CTIF-MetalNews	9000	French	Е	CTIF	P
9	2021	MetalNews (CTIF's newletter)	Inorganic binders at the heart of the new Green Foundry project	CTIF -MetalNews	9800	French	Е	CTIF	P
10	2019	17th International Wast Management and Land Symposium	S. Saetta, F. Di Maria, V. Calda Tapola (IT) "Improve the use o resources: inorganic binders in foundries - Case of the Green Foundry LIFE pro transactions SARDINIA 2019			EN	P	UNIP	P
11	2019		S.Saetta, V. Caldarelli, "Lean p tool for green production: the C case study" Procedia Manufacturing			EN	Е	UNIPG	P
12	2020	MDPI	Environmental impact of the reclaimed sand addition to molding sand with furan and phenol-formaldehyde resin – a comparison.	https://www.mdpi.com/1996- 1944/13/19/4395/pdf	Electronic Journal online/ open acces	English	Paper	AGH	P
13	2021	MDPI	Research on the release of dangerous compounds from the BTEX and PAHs groups in industrial casting conditions.	https://www.mdpi.com/1996- 1944/14/10/2581/pdf	Electronic Journal online/ open acces	English	Paper	AGH	P