PROJECT FINAL REPORT

Grant Agreement number: 243496

Project acronym: ALERT

Project title: Portable real time detection of airborne asbestos fibres for the tradesperson.

Funding Scheme: Seventh Framework Program

Period covered: from 01.08.2010 to 31.07.2013

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1. Section A (public)

This section includes two templates

- Template A1: List of all scientific (peer reviewed) publications relating to the foreground of the project.
- Template A2: List of all dissemination activities (publications, conferences, workshops, web sites/applications, press releases, flyers, articles published in the popular press, videos, media briefings, presentations, exhibitions, thesis, interviews, films, TV clips, posters).

These tables are cumulative, which means that they should always show all publications and activities from the beginning until after the end of the project. Updates are possible at any time.

N 0	Title	Main Author	Title of periodical or the series	Number, date or frequency	Publisher	Place of publication	Yr of publication	Relevant pages	Permanent identifiers	Open access to publication provided
	Portable real- time detection of airborne asbestos for tradespersons	C. Stopford			European Aerosol Conference (EAC11)	UK	2011			
	Real-time detection of airborne asbestos by light scattering from magnetically re- aligned fibres.	P. Kaye	Optics Express Journal (Online)	Fortnightly	Optical Society of America	USA / Global	2013		Vol.21, No.9, pages 11356- 11367	Yes
	'Real-time differentiation of airborne asbestos fibres'	Greenaway, R.S., Stopford, C., Kaye, P.H., Hirst, E., and Ulanowski, Z	Journal of Aerosol Science		Elsevier		2013			

			TEMPLATE A2: LIST	OF DISSEMINA	TION ACTIVI	TIES		
NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
1	Meetings	ИОН	Brief article on how the ALERT project was to be underpinned by research carried out at UH in the 1990's. Appeared in a brochure produced by the UK EPSRC (Engineering and Physical Sciences Research Council).	Mar-10	UK	General Public	500	UK
2	Exhibition	UOH	Paper at the European Aerosol Conference EAC11, Manchester, Sept. 5 th -9 th 2011, entitled 'Portable real-time detection of airborne asbestos fibres for tradespersons', C. Stopford, P. H. Kaye, E. Hirst, R.S. Greenaway, and W.R. Stanley.	Sep-11	UK	Research Industry	700	Europe (Various)
3	Conference	UOH	Brief case study on UH contribution to ALERT project to appear in UH publicity	t.b.c	Uk	Research Industry	1000	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			brochure highlighting approximately 20 research projects taking place across the University disciplines.					
4	Exhibition	UoH	Presentation given by Stopford on Alert at University Alliance seminar to cabinet ministers and academics to promote cooperation between Universities and the private sector for future R&D.	27 Feb 2013	UK	Govt & Universities	100	UK
5	Social Media	UoH	Dr Chris Stopford presented Alert Project to the Annual Aerosol Society Conference at the University of Hertfordshire.	26 March 2013	UK	Research Industry	60	UK
6	Exhibition	UoH	Publication of scientific paper on Alert Project to American Journal 'Optics Express'. (DOI: 10.1364/OE.21.011356). Publication was 'top	3 May 2013	UK	Scientific community	Unknown	USA / Worldwide

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			download' of 2013 to date.					
7	PR	UoH	Subsequent press releases on Paper published in Optics Express were published globally on news, science, tech, health and R&D websites including Reuters and the Wall St. Journal	5 May 2013	UK	General Public & Scientific Community	Unknown	USA / Worldwide
8	Lobbying	UoH	Submitting a paper on Alert Project to the Journal of Aerosol Science (in association with European Aerosol Assembly).	ТВС	UK	Scientific community	Unknown	UK/ Europe
9	Exhibition	UoH	Presentation on ALERT accepted at the AAAR (American Association for Aerosol Research), the largest conference of its type in the world.	Sept 2013	UK	Scientific and industrial community	1400	USA / Worldwide
10	Meeting	UoH/SELECT	National Asbestos Conference, Holland. Joint invited	Oct 2013	UK	Industry	150	Holland & other

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			presentation between A. Archer and Dr C Stopford on Alert Project.					European
11	PR	UoH	American Society for Testing and Materials (ASTM) Johnson Conference. World's largest conference on asbestos. Invited presentation on ALERT.	2014	UK	Research Industry	550	USA / Worldwide
12	Meeting							
13	Meeting	TICA	HSE's Technical subcommittee – Discussed the project details giving overview of consortium and aims and objectives.	04/02/2011	UK	Companies	20	UK
14	Conference	TICA	TICA Technical committee – Discussed project update including progress with surveys and questionnaires.	17/02/2011	UK	Companies	10	UK
15	PR	TICA	Health and Safety Expo 11 in Sandown – We met health and safety representatives from a	1-2/03/2011	UK	General Public	1000	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			cross section of industry and discussed the project details with them giving them an overview of who the consortium members are and the project aims and objectives.					
16	Meeting	TICA	Asbestos Partnership Group – We met the HSE's policy unit and key members of the partnership committee and discussed the project details with them giving them an overview of who the consortium members are and the project aims and objectives.	24/03/2011	UK	Asbestos targets	30	UK
17	Conference	TICA	TICA Technical committee – Discussed project update including progress project and TICA's involvement.	13/04/2011	UK	Companies	10	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
18	Conference	TICA	TICA met the Northern region of the British Institute of Occupational Hygiene (BOHS) and delivered a talk on Project Alert. We discussed the project details with them giving them an overview of who the consortium members are and the project aims and objectives.	05/05/2011	UK	Private Sector	20	UK
19	Meeting	TICA	We arranged 5 separate regional meetings with all our Association members. During the meetings we discussed the Alert project and our involvement. We gave the members an overview of the project and invited them to get involved.	May-11	UK	Asbestos targets	150	UK
20	PR	TICA	HSE's Asbestos Liaison Group (ALG) – I met with the ALG at the HSE's headquarters in	26 May 2011	UK	Asbestos targets	30	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			Edinburgh, I gave the committee details of the project giving them an overview of who the consortium members are and the project aims and objectives.					
21	Conference	TICA	Exhibition Bolton	5 - 6 Oct 2011	UK	General Public	1000	UK
22	PR / Social Media	TICA	Attended Health & Safety Exhibition in Dublin, Ireland - introduced Alert project	14 - 18 Nov 2011	UK	General Public	1000	UK
23	Media Briefings	TICA	TICA Governing Council Alert activities update	23 Dec 2011	UK	Members	10	UK
24	Conference	TICA	Asbestos Liaison Group Technical Sub Committee	27 Jan 2012	UK	Members	30	UK
25	Industry	TICA	TICA Technical Committee Project Update	7 Feb 2012	UK	Members	10	UK
26	Exhibition	TICA	Asbestos Liaison Group Alert	8 Mar 2012	UK	Members	30	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			on Update					
27	Conference	TICA	TICA Governing Council Alert activities update	19 Mar 2012	UK	Members	10	UK
28	Exhibition	TICA	Sandown H&S Exhibition, Introduced Alert & displayed Alert Banner	27 -29 Mar 2012	UK	General Public	1000	UK
29	Exhibition	TICA	Presentation for HIP Turkish Delegate	16 Apr 2012	UK	Industry	10	UK / Eastern Europe
30		TICA	TICA Regional Meetings (5 x locations in UK) — Discussed project update	16 - 29 Apr 2012	UK	TICA Members	250	UK
21	Industry	TICA	TICA Technical Committee Project Update	31 Apr 2012	UK	Members	10	UK
	Industry	TICA	TICA Regional Meetings (5 x locations in UK) — Discussed project update	6 - 22 Nov 2012	UK	Members	150	UK
	Other	TICA	Asbestos Liaison Group - Alert	1 Dec 2012	UK	Industry	30	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
	publications		Update					
	Websites	TICA	TICA Governing Council - Alert activities update	5 Dec 2012	UK	Members	10	UK
		TICA	ACAD Staff Meeting	9 Jan 2013	UK	Member	10	UK
	Industry	TICA	Asbestos Liaison Group Alert Update	10 Jan 2013	UK	Industry	30	UK
	Industry	TICA	Asbestos Liaison Group Technical Sub Committee	6 Feb 2013	UK	Industry	30	UK
	Publication	TICA	Sandown H&S Exhibition, Introduced Alert & displayed Alert Banner	12 - 14 Mar 2013	UK	General Public	1000	UK
	Industry	TICA	TICA Governing Council Alert activities update	21 Mar 2013	UK	Members		UK
	Industry	TICA	ACAD Staff Meeting	26 Mar 2013	UK	Members	10	UK
	Industry	TICA	TICA Technical Committee - Alert Project Update	16 Apr 2013	UK	Members	10	UK
	Website	TICA	TICA Regional Meetings (5 x	24 Apr - 16	UK	Members	250	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			locations in UK) – Discussed project update	May 2013				
	Exhibition	TICA	Updated a dedicated Alert Project page on ACAD section of website + added links back to Alert Public website	April 2013	UK	General Public	Unknown	UK
	Seminar	TICA	Asbestos Liaison Group Technical Sub Committee	30 Apr 2013	UK	Members	30	UK
	Media Briefings	TICA	Asbestos Liaison Group Alert Update	2 May 2013	UK	Members	30	UK
	Industry	TICA	Introducing Alert at the BMTA's (British Measuring & Testing Association) - 'Asbestos Management in Schools and Public Buildings' event.	8 May 2013	UK	Public / Members	100	UK
	PR / Social Media	TICA	TICA Technical Committee Project Update	9 May 2013	UK	Members	10	UK
	Industry	TICA	National Health Service,	19 Jun 2013	UK	Industry	10	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			Premises Managers Presentation in Nottingham					
	Industry	TICA	TICA Governing Council Alert activities update	28 Jun 2013	UK	Members	10	UK
		TICA	Birmingham H&S Exhibition	11 - 13 Sept 2013	UK	General Public	1000	UK
	Internal	TICA	Asbestos Liaison Group - Alert Update	21 Sept 2013	UK	Industry	30	UK
	Industry	TICA	TICA Technical Committee Project Update	ТВС	UK	Members	10	UK
	Exhibition	TICA	Asbestos Liaison Group - Technical Sub Committee	ТВС	UK	Members	30	UK
	Exhibition	TICA / SELECT	TICA newsletter and ACADemy publication to feature Alert Product launch.	ТВС	UK	Members	1300	UK
	Industry	TICA	Launch of Alert product at Asbestos Liaison Group - Technical Sub Committee	ТВС	UK	Members	10	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
	Industry	TICA	Launch of Alert products at TICA Regional Meetings (5 x locations in UK) — Discussed project update	ТВС	UK	Members	250	UK
	Industry	TICA	Launch of Alert product TICA Technical Committee Project Update	ТВС	UK	Members	30	UK
	Website	TICA	Launch Alert Film on TICA website and Social Media.	TBC	UK	General public	Unknown	UK
	Industry	TICA	PR to support the product launch of Alert	TBC	UK	Members	Unknown	UK
	Industry	IBV	Presentation at the EDA CONFERENCE AND DEMOLITION FAIR DEMCON. Upplands Väsby, Sweden	Sep-10	SWEDEN	Companies	200	Europe (Various)
	Industry	IBV	Different press notes. See attached document (CLIPPING IBV) for more details	Jan to June 2011	SPAIN	General Public	Unknown	Spain
	Industry	IBV	PR to support IBV's Alert Film	ТВС	UK	General Public	Unknown	Spain

NO.	Type of activities	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			closer to launch of Alert product					
	Industry	IBV	General PR to support launch of Alert product	TBC	UK	General Public	Unknown	Spain
	Industry							
		IDEA	Poster at the Remtech 2011 exhibition, Ferrara, Sept. 27th- 29th 2011 Conference about "Bioremedation" and IDEA's Business	27-29 Sept 11	ITALY	Public Sector	100	Italy
		IDEA	Poster at Ecomondo 2011 exhibition, Rimini. Conference about Remediation Technology	Nov- 11	ITALY	Public Sector	Info based	Italy
		SELECT / UoH / IDEA	Federchimica Conference in Italy - present Alert project	18-20 Sept 2013	ITALY	Industry	Unknown	Italy
		EDA	Presentation of the project at EDA Conference - Amsterdam,	04-Nov-11	NL	Asbestos targets	150	Europe

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			The Netherlands					(Various)
		EDA	News update and Alert Project Info page on EDA website + links back to Alert public website.	May 2013	UK	General Public	Unknown	Europe
		EDA	Conference on Standards for Hazardous Waste, Paris.	23 – 24 May 2013	FRANCE	Govt	250	Europe
		EDA	EDA Annual Conference – documentation on Alert Project Updates to be provided to all attendees.	20 -22 June 2013	BELGUIM	Asbestos targets	150	Europe (Various)
		EDA	German Demolition Association Demolition Conference – Opportunity to present if Alert close to launch	28-29 March 2014	GERMANY	Asbestos targets	150	Europe (Various)
		EDA	EDA general PR to support launch of Alert product and Alert Film (inc website)	ТВС		General Public	Unknown	Europe (Various)

NO.	Type of activities	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		EDA	EDA to communicate launch of Alert Product to members with Asbestos Awareness material, Alert Video and training material.	ТВС		Asbestos targets	Unknown	Europe (Various)
		EDA	Use of Belgian Construction Federation office for initial press release event when Alert it launched.	ТВС		General Public	Unknown	Europe (Various)
		SELECT / EDA	National Demolition Annual Conference, USA – opportunity to attend if Alert close to launch	ТВС		Asbestos targets	Unknown	USA (Various)
		SELECT	Builder's Merchants Trade Show in Channel Islands - Alan introduced Alert Project to future potential builder's merchants as part of Select product portfolio.	Oct-10	UK	Companies	300	UK
		SELECT	Alert Project Consortium	Feb-11	UK	General Public	Unknown	Europe

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			Website - launched to enhance communication and information sharing between Alert Consortium members.					(Various)
		SELECT	Select Corporate Website - addition to Select's website of information on Alert Project & Consortium plus an informational page on Asbestos to be viewed by existing Select customers and the general public.	Aug-11	UK	General Public	Unknown	UK
		SELECT	Torbay Hi-Tech Forum Annual Conference - Opportunity to discuss Alert project with potential investors and suppliers.	20-Oct-11	UK	Companies	200	UK
		SELECT	Visiting potential distributors in Belgium and Holland for future Alert sales	01-04 Nov 11	EUROPE	Companies	5	Belgium & Holland

NO.	Type of activities	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		SELECT	World Demolition Summit –A Archer Presentation on Alert to top demolition contractors and suppliers from around the world.	04 Nov 11	EUROPE	Companies	250	Europe (Various)
		SELECT	Attended the Koln Hardware Fare to research the market for exploitation potential for Alert.	4-5 Mar 12	EUROPE	Companies	5,000	Europe (Various)
		SELECT	Meeting with European Federation of Building and Woodworkers re Alert and H&S for Asbestos with membership of 2,350,000 members & 72 affiliated unions in over 31 countries.	13 Mar 12	UK	Trade Org	Potentially 2,350,000	Europe
		SELECT	Presentation of Alert project to the German Demolition Association Conference in Berlin. Gaining a valuable future distributor covering the	17 Mar 12	GERMANY	Companies	650	Europe (Various)

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			German market.					
		SELECT	Visited the London Eco exhibition at ExCel for market research and to introduce Alert where possible.	22 Mar 12	UK	Companies	200	UK
		SELECT	Visited H&S Exhibition at Birmingham, NEC for market research and future exploitation possibilities.	15-17 May 12	UK	Companies	100	UK
		SELECT	Exhibited the Alert Project at the UK Waste Management Show (PAWRS)	12-14 June 2012	UK		1500	UK
		SELECT	Presentation given by SELECT on Alert at University Alliance seminar to cabinet ministers and academics to promote cooperation between Universities and the private sector for future R&D.	27 Jun 12	UK	Govt & Universities	100	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		SELECT	Lobbying to support Select's RGF bid for future investment requirements. This lobbying has generated a number of real leads from large corporations with active interest in Alert.	July 12	UK	Govt & Business leaders	100	UK
		SELECT	Meeting with Santia Group (as a result of lobbying) from the professional surveying sector re future potential involvement in Demonstration Project and general interest in Alert for their company use.	21 Sept 12	UK	Business	5	UK
		SELECT	Made contact for future meeting with Lloyds Registry re: new legislation for the shipping industry regarding Asbestos.	ТВС	UK	Marine Industry	3	Global
		SELECT	Building Services Show at London Olympia – for market	11 Oct 12	UK	Companies	100	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			research and future exploitation possibilities.					
		SELECT	Meeting with British Lung Foundation to introduce Alert project and raise awareness. Possibility to link with some of their campaigns.	12 Oct 12	UK	Health Org	5	UK
		SELECT	Exhibiting at the Torbay Hi- Tech Forum again.	18 Oct 12	UK	Companies	800	UK
		SELECT	Follow-up meeting with Santia re Alert.	Oct 12	UK	Companies	5	UK
		SELECT	Interview and subsequent press release 'An asbestos detector that could save thousands of lives' written for REA	Unconfirmed		Govt	Unknown	Europe
		SELECT	Commercial Alert Website - Aim to raise awareness of the Alert Project and the dangers	Dec 2012	UK	General Public	Unknown	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			of Asbestos in general. Site objective to generate interest, create database, and to SEO site over next few years in readiness for a good online presence in readiness for product launch.					
		SELECT	Meetings with Volvo, Caterpillar and JCB re: heavy construction equipment and the use of Alert as a safety device and potential involvement in Demonstration project.	t.b.c.	UK	Companies	10	UK
		SELECT	Hi-tech Forum – exhibited at and presented Alert Project	Jan 2013	UK	Industry / public	1000	UK
		SELECT	iNET Technology Conference UK – attended to explore future exploitation possibilities.	Feb 2013	UK	Industry / public	20	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		SELECT	Attending DIY Show UK (Feb 2013 for market research and future exploitation possibilities.	Feb 2013	UK	Companies	100	UK
		SELECT	Social Media communications across all channels supporting publication of scientific paper on Optics Express and supporting PR.	May 2013	UK	Industry Sector + Scientific Community	Unknown	Global
		SELECT	Attending Safety & Health Expo at NEC Birmingham for market research and future exploitation possibilities.	15 May 2013	UK	Professionals	100	UK /Europe
		SELECT	Telephone meeting with TV production company regarding documentary possibility for ALERT.	15 May 2013	UK	General Public	2	UK
		SELECT	Lobbying to support Select's 4 th RGF bid for future investment requirements.	June 2013	UK	Govt	10	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		SELECT	Exhibited the Alert Project at the UK Waste Management Show (PAWRS)	11-13 Jun 2013	UK	Industry / General Public	1500	UK
		SELECT	Telephone meeting planned with IOSH re: Alert & commercial opportunities	July 2013	UK	Industry	10	UK
		TICA / SELECT	ACADemy publication - Summer issue - 1 pg feature on Alert to all ACAD members	July 2013	UK	Members	1300	UK
		SELECT	Meeting with Beacon International Ltd re: distribution possibilities (UK).	9 July 2013	UK	Distributor	5	UK
		SELECT	Telephone meeting with a potential distributor / customer of Alert based in Canada generated via website.	17 Jul 2013	UK	Distributor	ТВС	Canada
		SELECT / BHETA	Attending BHETA DIY Forum, Birmingham & presenting on Select and the Alert Project.	25 July 2013	UK	Members	70	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		TICA / SELECT	ACAD newsletter - Alert Update provided by Select	Aug 2013	UK	Members	250	UK
		SELECT	Meeting with Tony Porter Australia Dynamic Technologies re: distribution possibilities	ТВС	UK	Distributor	4	Australia
		SELECT / UoH / IDEA	Federchimica Conference in Italy - present Alert project	18-20 Sept 2013	ITALY	Industry	Unknown	Italy
		Select	Exhibiting Alert at Torbay Hi Tech Forum Exhibition.	24 Oct 2013	UK	Industry	500	UK
		SELECT & UoH	National Asbestos Conference, Holland. Joint invited presentation between A. Archer and Dr C Stopford on Alert Project.	31 Oct 2013	NL	Industry	150	Holland and other European
		SELECT	Meeting with numerous Dutch companies re: distribution possibilities in Holland and EU (generated via website).	31 Oct 2013	UK	Distributor	5	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		SELECT	Pitching at VentureFest for future potential funding opportunities.	14 Nov 2013	UK	Investors	50	UK
		SELECT	Sponsoring & Exhibiting Alert at 'Asbestos The Truth' exhibition in Manchester.	27 Nov 2013	UK	Industry	150	UK
		TICA / SELECT	ACADemy publication Autumn issue - Alert Project update provided by Select	Nov 2013	UK	Members	1300	UK
		SELECT / EDA	National Demolition Annual Conference, USA – opportunity to attend if Alert close to launch	ТВС		Asbestos targets	Unknown	USA (Various)
		SELECT	Launch Alert Film to coincide with the launch of ALERT on ALERT website, YouTube, Twitter, Facebook, LinkedIn, Vimeo, Trade Counter Direct, Distributors Websites etc	ТВС		General Public	Unknown	Global

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		SELECT	Features in construction industry trade press (Professional Builder, Professional Plumbing & Heating Installer and Professional Builders Merchant magazines) on the Alert project.	TBC		Companies	30,000	UK
		SELECT / UoH	ADAO Conference (Asbestos Disease Awareness Organisation) - Presentation on Alert	ТВС		Professional	300	USA
		SELECT / BHETA	Launch of product when available to FEDIYMA board.	TBC		FEDIYMA board	22	Europe (Various)
		SELECT	Safety & Health Expo, (London) Select to exhibit Alert	17-19 June 2014	UK	Professional / industry	14,650	UK / Europe
		SELECT	World Congress on Health & Safety at Work 2014, (Frankfurt, Germany) - Select aiming to give a presentation	24-27 August 2014	GERMANY	Professional / industry	250	Europe / global

TEMPLATE A2: LIST OF DISSEMINATION ACTIVITIES Countries addressed Type of Size of NO. Title Main leader Date/Period Place Type of audienceii activities audience on ALERT as a new technology Supporting Trade Exhibition of the World Congress (See above) - Provides Select 25-28 Professional / SELECT **GERMANY** Europe TBC opportunity to exhibit Alert to August 2014 industry many interested in occupational health & safety. BAUMA 2016 (Munich, Germany) International Trade Exhibition and key event for all Professional / Germany / SELECT the manufacturers of April 2016 **GERMANY** 3,400 industry Europe machinery and equipment for construction, demolition and other related industries PHEX Exhibition at Chelsea Football Club. Attendees were plumbing and heating 08-09 Dec CIPHE UK Industry 3296 UK engineers, the CIPHE had an 2010 exhibition stand with an ALERT

banner.

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		CIPHE	PHEX Exhibition at Wembley Stadium. Attendees were plumbing and heating engineers, the CIPHE had an exhibition stand with an ALERT banner.	06-07 Apr 2011	UK	Industry	1698	UK
		CIPHE	In the May/June edition of the CIPHE magazine, there was an extract from the CIPHE annual report which contained some information relating to the ALERT project.	May 2011	UK	Industry	10,500	UK
		CIPHE	Since November 2010 there has been a page on the CIPHE website for the ALERT project, this page has not been promoted as such to date, however 208 people to date have visited the page.	Nov-10 to present	UK	Members & General Public	208	UK
		CIPHE	A presentation was given to industry representatives from	1 Sept 2011		Industry	30	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			various disciplines which introduced the ALERT project, its aims and future dissemination opportunities					
		CIPHE	The CIPHE held a PSI training weekend at which a presentation was giving introducing the PSIs (Professional Standards Inspectors) to the Project.	15 Oct 2011	UK	Industry	20	UK
		CIPHE	An article was published in the CIPHE Journal covering the Control of Asbestos Regulations and also gave an introduction to the ALERT Project	Jan 2012	UK	Industry	10,000	UK
		СІРНЕ	A presentation was given to members of RICS which introduced the ALERT Project and future dissemination	08 Feb 2012	UK	Industry	30	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			opportunities.					
		СІРНЕ	A presentation was given to members of RICS which introduced the ALERT Project and future dissemination opportunities.	4 Apr 2012	UK	Industry	30	UK
		CIPHE	A presentation was given to members of RICS which introduced the ALERT Project and future dissemination opportunities.	3 May 2012	UK	Industry	30	UK
		CIPHE	Updated Project page on Alert on CIPHE website and added back links to Alert public website. Following Alert on Twitter.	May 2013	UK	Members / General Public	unknown	UK
		СІРНЕ	At the Worshipful company of Plumbers annual Lecture, the CIPHE had a small exhibition stand with ALERT information.	29 Jan 2013	UK	Industry	150	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		CIPHE	A 30 minute presentation will be given to CIPHE members about the Project at AGM.	21 Jun 2013	UK	Industry	50	UK
		CIPHE	Support launch of product in CIPHE Journal at launch.	ТВС		Members	10,000	UK
		CIPHE	Asbestos Awareness and Alert training material provided to all CIPHE members when Alert available.	ТВС		Members	10,000	UK
		CIPHE	Launch Alert Film on CIPHE website and support via social media	ТВС		Members / General Public	Unknown	UK
		CIPHE	Launch of product when available to RICS when available board.	ТВС		Industry	30	Europe (Various)
		CIPHE	Presentation of Alert at future PHEX shows.	ТВС		Industry	1700	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
		ВНЕТА	Hosted Alert marketing meeting to discuss, amongst other things timing and format for dissemination programme.	Oct 2011	UK	Consortium		
		ВНЕТА	Presentation of overall Project Alert programme to BHETA board members.	Oct 2011	UK	Industry CEO's/MD's/Owners	12	UK
		ВНЕТА	Attended "Totally DIY" Show at NEC with pop-up display and visited stands to spread the word on Alert.	Feb 2012	UK	DIY/Building retailers and suppliers	1500	UK
		ВНЕТА	Attended National Merchant Builders Society exhibition at International Centre, Telford.	May 2012	UK	Builders Merchants Exhibition	600	UK
		ВНЕТА	Presentation to BHETA board with project update.	Feb 2013	UK	Industry CEO's/MD's/Owners	12	UK
		ВНЕТА	Presentation to BHETA	Jan 2013	UK	Members	85	UK

NO.	Type of activities ⁱ	Main leader	Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed
			members at Open Forum					
		ВНЕТА	Presentation to BHETA DIY Committee members	Apr 2013	UK	BHETA DIY Committee	14	UK
		ВНЕТА	Uploading of Alert banner on new BHETA website with link to Alert website.	May 2013	UK	On-line	Unknown	UK
		ВНЕТА	Presentation of Project Alert to The European Board of DIY Manufacturers.	May 2013	UK	FEDIYMA Board	22	Europe (Various)
		ВНЕТА	Article included in BHETA June newsletter.	Jun 2013	UK	Members	265 companies	UK
		ВНЕТА	Launch of product when available at a BHETA Forum.	ТВС		Members	85	UK
		ВНЕТА	Launch Alert Film on BHETA website and social media channels	ТВС		Members/ General Public	Unknown	UK
		ВНЕТА	Asbestos Awareness and Alert training material provided to	ТВС		Members	85	UK

	TEMPLATE A2: LIST OF DISSEMINATION ACTIVITIES								
NO.	NO. Type of activities ⁱ Main leader		Title	Date/Period	Place	Type of audience ⁱⁱ	Size of audience	Countries addressed	
			BHETA members when Alert available.						
		ВНЕТА	Launch of product when available to FEDIYMA board.	TBC		FEDIYMA board	22	Europe (Various)	
		внета	Mailshot product launch details to database of retailers and suppliers.	ТВС		DIY/ Merchant Suppliers & Retailers		UK	

2. Section B (Confidential1 or public: confidential information to be marked clearly)

Part B1

The applications for patents, trademarks, registered designs, etc. shall be listed according to the template B1 provided hereafter.

The list should, specify at least one unique identifier e.g. European Patent application reference. For patent applications, only if applicable, contributions to standards should be specified. This table is cumulative, which means that it should always show all applications from the beginning until after the end of the project.

	TEMPLATE B1: LIST OF APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS, ETC.									
Type of IP Rights ² :	Confidential Click on YES/NO	Foreseen embargo date dd/mm/yyyy Application reference(s) (e.g. EP123456)		Subject or title of application	Applicant (s) (as on the application)					
Patent application	Yes	Filed 15 Feb 2013	UK Patent Application No.	Improved Apparatus and Method for Detection of Asbestos Fibres	University of Hertfordshire					
			1302638.0		Hatfield, U.K.					
Registered	No	28/07/2010	2555011	Registered Trademark for the product name "ALERT" in	The Select Group					
Trademark				relation to apparatus & instruments for measuring & monitoring Asbestos content of the atmosphere. For Great						

¹ Note to be confused with the "EU CONFIDENTIAL" classification for some security research projects.

² A drop down list allows choosing the type of IP rights: Patents, Trademarks, Registered designs, Utility models, Others.

_		<u></u>	
		Britain & N. Ireland	
			ı

3. Part B2

Please complete the table hereafter:

Type of Exploitable Foreground ³	Description of exploitable foreground	Confidential Click on YES/NO	Foreseen embargo date dd/mm/yyyy	Exploitable product(s) or measure(s)	Sector(s) of application ⁴	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved
ALERT system design	Patent / Registered Design Rights	Yes	ALERT detector	Construction / Trade	1 year post completion			ALERT system design
Magnetic realignment discrimination	Patent	Yes	Detector technolog y	Sensor	1 year post completion			Magnetic realignment discrimination
Measurement technique for Asbestos particle detection	Patent / know-how	Yes	Asbestos measure ment technique	Construction / Trade	1 year post completion			Measurement technique for Asbestos particle detection

The consortium members have together developed an Exploitation Strategy for the management of knowledge, intellectual property and inter-relationship with the various innovation-related activities planned in the ALERT project. The main innovations in the project will be:

- 1. New measurement technique for Asbestos particle detection
- 2. Magnetic realignment discrimination
- 3. Overall ALERT system International patents

¹⁹ A drop down list allows choosing the type of foreground: General advancement of knowledge, Commercial exploitation of R&D results, Exploitation of R&D results via standards, exploitation of results through EU policies, exploitation of results through (social) innovation.

⁴ A drop down list allows choosing the type sector (NACE nomenclature): http://ec.europa.eu/competition/mergers/cases/index/nace_all.html

The main novelty of the ALERT technology will be the new measurement technique and the micro-systems embodiment of the measuring hardware. There currently exists no system that offers similar benefits.

This will be the main components subject to IPR protection and it is likely that there will be patents in this area. It is likely that we will also focus on developing a distinctive appearance for the final product based on the ergonomic interface and protect this with registered designs.

4. Report on societal implications

Replies to the following questions will assist the Commission to obtain statistics and indicators on societal and socio-economic issues addressed by projects. The questions are arranged in a number of key themes. As well as producing certain statistics, the replies will also help identify those projects that have shown a real engagement with wider societal issues, and thereby identify interesting approaches to these issues and best practices. The replies for individual projects will not be made public.

A General Information (completed entered.	automatically when Grant Agreement number	is		
Grant Agreement Number:	243496			
Title of Project:				
Title of Frojecti	ALERT			
Name and Title of Coordinator:	Mr Kevin Wellman			
B Ethics				
1. Did your project undergo an Ethics Review (an	d/or Screening)?			
If Yes: have you described the progress of compliance with the relevant Ethics Review/Screening Requirements in the frame of the periodic/final project reports? Special Reminder: the progress of compliance with the Ethics Review/Screening Requirements should be described in the Period/Final Project Reports under the Section 3.2.2 'Work Progress and Achievements'				
2. Please indicate whether your project	t involved any of the following issues (tick	YES		
box):				
RESEARCH ON HUMANS				
Did the project involve children?		No		
Did the project involve patients?		No		
Did the project involve persons not able to give	consent?	No		
Did the project involve adult healthy volunteers	?	No		
Did the project involve Human genetic material	?	No		
Did the project involve Human biological samp	les?	No		
• Did the project involve Human data collection?		No		
RESEARCH ON HUMAN EMBRYO/FOETUS				
Did the project involve Human Embryos?		No		
Did the project involve Human Foetal Tissue / 0	Cells?	No		
Did the project involve Human Embryonic Sten	n Cells (hESCs)?	No		
 Did the project on human Embryonic Stem Cell 	s involve cells in culture?	No		
Did the project on human Embryonic Stem Cell	s involve the derivation of cells from Embryos?	No		
PRIVACY				
 Did the project involve processing of ger lifestyle, ethnicity, political opinion, religion 	netic information or personal data (eg. health, sexual us or philosophical conviction)?	No		
Did the project involve tracking the location	or observation of people?	No		
RESEARCH ON ANIMALS				
Did the project involve research on animals	?	No		
Were those animals transgenic small laborate	tory animals?	No		
Were those animals transgenic farm animals	9	No		

Were those animals cloned farm animals?	No					
Were those animals non-human primates?	No					
RESEARCH INVOLVING DEVELOPING COUNTRIES						
• Did the project involve the use of local resources (genetic, animal, plant etc)?	No					
Was the project of benefit to local community (capacity building, access to healt)	thcare, education No					
etc)?						
DUAL USE						
Research having direct military use	No					
Research having the potential for terrorist abuse						

C Workforce Statistics

3. Workforce statistics for the project: Please indicate in the table below the number of people who worked on the project (on a headcount basis).

Type of Position	Number of Women	Number of Men
Scientific Coordinator		1
Work package leaders	2	4
Experienced researchers (i.e. PhD holders)	2	4
PhD Students		
Other	2	2

4. How many additional researchers (in companies and universities) were recruited specifically for this project?	0
Of which, indicate the number of men:	0

D	Gender A	Aspects								
5.	Did you	Did you carry out specific Gender Equality Actions under the project? $\bigvee_{No}^{O} \bigvee_{No}^{Yes}$								
6.	Which of	Which of the following actions did you carry out and how effective were they?								
							ot at all ffective		Very effective	
		•	ement an equal op	• • •		7		000		
		Ū	nieve a gender bal			force		000		
			ences and workshove work-life bala		uer			000	_	
	0	Other:								
7.	the focus o	re a gender din f the research as, and addressed? Yes- please spec	for example, con							
	$\sqrt{}$	No	•	L						
E	Synergi	Synergies with Science Education								
	participa O √	Yes- please spec		events, p	orize	s/compe	etitions of	· joint p	orojects)	?
9.	Did the p	oroject generat DVDs)?	e any science	educatio	n ma	aterial (e.g. kits,	website	s, explar	natory
	$\sqrt{}$	Yes- please spec	ify	Γ	\ /: al a		la.ti.a.a.a.l	.		· fo
	0	No					lucational	_	materiais	ior
F	Interdis	sciplinarity		_	12:11.7					
10.	Which d	isciplines (see	list below) are	e involved	d in :	your pro	oject?			
	0	Main discipline ⁵ Associated discip			0	Associat	ed disciplin	ne ⁵ :		
G	Engagir	ng with Civil	society and	l policy	mal	kers				
11a	•	Did your project engage with societal actors beyond the research community? (if 'No', go to Question 14) Yes No								
11b	• ,	If yes, did you engage with citizens (citizens' panels / juries) or organised civil society (NGOs, patients' groups etc.)? O No								

⁵ Insert number from list below (Frascati Manual).

	O Yes- in determining what research should be performed								
	0	Yes - in implementing the research							
	0	O Yes, in communicating /disseminating / using the results of the project							
11c	organise	the dialogue w	oject involve actors who ith citizens and organise communication company	d civil	society (e.g.	O √O	Yes No		
	12. Did you engage with government / public bodies or policy makers (including international organisations)								
	0	No							
	$\sqrt{}$	_	he research agenda						
	0		nting the research agenda						
	0	Yes, in communic	cating /disseminating / using th	e results	of the project				
13a	policy m ○ √ √ ○	akers? Yes – as a prima	ry objective (please indicate ar lary objective (please indicate	eas belo	w- multiple answers possib	ole)	ed by		
Agricu Audiov Budget Compe Consur Culture Custon Develo Moneta Educat	Iture visual and Medi etition mers	a ic and Youth	Energy Enlargement Enterprise Environment External Relations External Trade Fisheries and Maritime Affairs Food Safety Foreign and Security Policy Fraud Humanitarian aid	√	Human rights Information Society Institutional affairs Internal Market Justice, freedom and security Public Health Regional Policy Research and Innovation Space Taxation Transport		√		

13c If Yes, at which level?						
O Local / regional levels						
National level						
O European level						
$\sqrt{}$ International level						
H Use and dissemination						
14. How many Articles were published/accepted for pupeer-reviewed journals?	blication in	3				
To how many of these is open access ⁶ provided?						
How many of these are published in open access journals?		3				
How many of these are published in open repositories?		0				
To how many of these is open access not provided?		0				
Please check all applicable reasons for not providing open access	s:					
 □ publisher's licensing agreement would not permit publishing in a □ no suitable repository available □ no suitable open access journal available □ no funds available to publish in an open access journal □ lack of time and resources □ lack of information on open access √□ other⁷: no worthwhile data to publish 	repository					
15. How many new patent applications ('priority filing ("Technologically unique": multiple applications for the same in jurisdictions should be counted as just one application of grant).		e? 1				
16. Indicate how many of the following Intellectual	Trademark	1 (logo)				
Property Rights were applied for (give number in each box).	Registered design	0				
	Other	1 (registered company name)				
17. How many spin-off companies were created / are piresult of the project?	1					
Indicate the approximate number of addition	unies: 45 (over 5 yrs)					
18. Please indicate whether your project has a potential impact on employment, in comparison with the situation before your project: √ Increase in employment, or						
* * ·	large companies	emerprises				
Decrease in employment, Difficult to estimate / not possible to quantify In large companies None of the above / not relevant to the project						
19. For your project partnership please estimate the en	ployment effect	Indicate figure:				
resulting directly from your participation in Full Ti one person working fulltime for a year) jobs:	TE = +- 100					

Open Access is defined as free of charge access for anyone via Internet.
 For instance: classification for security project.

Diffi	cult to estimate / not possible to quantify							
I	Media and Communication to t	he g	eneral public					
20.	As part of the project, were any of the ben media relations?	unication or						
	√ Yes O No)						
21.	21. As part of the project, have any beneficiaries received professional media / communication training / advice to improve communication with the general public? ○ Yes √ No							
22	Which of the following have been used to of the general public, or have resulted from y			your project to				
١	Press Release	√	Coverage in specialist press					
	Media briefing	1	Coverage in general (non-special	list) press				
	TV coverage / report		Coverage in national press					
	Radio coverage / report		Coverage in international press					
1	Brochures /posters / flyers		Website for the general public / i	internet				
٦	DVD /Film /Multimedia	√	Event targeting general public (feexhibition, science café)	estival, conference,				
23	In which languages are the information pr	oduc	ts for the general public pro	oduced?				
\	Language of the coordinator Other language(s)	√	English					

Question F-10: Classification of Scientific Disciplines according to the Frascati Manual 2002 (Proposed Standard Practice for Surveys on Research and Experimental Development, OECD 2002):

FIELDS OF SCIENCE AND TECHNOLOGY

NATURAL SCIENCES Mathematics and con

- 1.1 Mathematics and computer sciences [mathematics and other allied fields: computer sciences and other allied subjects (software development only; hardware development should be classified in the engineering fields)]
- 1.2 Physical sciences (astronomy and space sciences, physics and other allied subjects)
- 1.3 Chemical sciences (chemistry, other allied subjects)
- Earth and related environmental sciences (geology, geophysics, mineralogy, physical geography and other geosciences, meteorology and other atmospheric sciences including climatic research, oceanography, vulcanology, palaeoecology, other allied sciences)
- 1.5 Biological sciences (biology, botany, bacteriology, microbiology, zoology, entomology, genetics, biochemistry, biophysics, other allied sciences, excluding clinical and veterinary sciences)

ENGINEERING AND TECHNOLOGY

- $\frac{2}{2.1}$ Civil engineering (architecture engineering, building science and engineering, construction engineering, municipal and structural engineering and other allied subjects)
- 2.2 Electrical engineering, electronics [electrical engineering, electronics, communication engineering and systems, computer engineering (hardware only) and other allied subjects]
- 2.3. Other engineering sciences (such as chemical, aeronautical and space, mechanical, metallurgical and materials engineering, and their specialised subdivisions; forest products; applied sciences such as geodesy, industrial chemistry, etc.; the science and technology of food production; specialised technologies of interdisciplinary fields, e.g. systems analysis, metallurgy, mining, textile technology and other applied subjects)

MEDICAL SCIENCES

- 3. 3.1 Basic medicine (anatomy, cytology, physiology, genetics, pharmacy, pharmacology, toxicology, immunology and immunohaematology, clinical chemistry, clinical microbiology, pathology)
- 3.2 Clinical medicine (anaesthesiology, paediatrics, obstetrics and gynaecology, internal medicine, surgery, dentistry, neurology, psychiatry, radiology, therapeutics, otorhinolaryngology, ophthalmology)
- 3.3 Health sciences (public health services, social medicine, hygiene, nursing, epidemiology)

AGRICULTURAL SCIENCES

- 4.1 Agriculture, forestry, fisheries and allied sciences (agronomy, animal husbandry, fisheries, forestry, horticulture, other allied subjects)
- 4.2 Veterinary medicine

SOCIAL SCIENCES

- 5.1 Psychology
- 5.2 **Economics**
- 5.3 Educational sciences (education and training and other allied subjects)
- 5.4 Other social sciences [anthropology (social and cultural) and ethnology, demography, geography (human, economic and social), town and country planning, management, law, linguistics, political sciences, sociology, organisation and methods, miscellaneous social sciences and interdisciplinary, methodological and historical S1T activities relating to subjects in this group. Physical anthropology, physical geography and psychophysiology should normally be classified with the natural sciences].

HUMANITIES

- 6.1 History (history, prehistory and history, together with auxiliary historical disciplines such as archaeology, numismatics, palaeography, genealogy, etc.)
- 6.2 Languages and literature (ancient and modern)
- 6.3 Other humanities [philosophy (including the history of science and technology) arts, history of art, art criticism, painting, sculpture, musicology, dramatic art excluding artistic "research" of any kind, religion, theology, other fields and subjects pertaining to the humanities, methodological, historical and other S1T activities relating to the subjects in this group]

^{14&}lt;sup>i</sup> A drop down list allows choosing the dissemination activity: publications, conferences, workshops, web, press releases, flyers, articles published in the popular press, videos, media briefings, presentations, exhibitions, thesis, interviews, films, TV clips, posters, Other.

ⁱⁱ A drop down list allows choosing the type of public: Scientific (higher education, Research), Industry, Civil Society, Policy makers, Medias, Other ('multiple choices' is possible).