

derived from the project during 1.4.2017–31.12.2019.

LIST OF DISSEMINATION ACTIVITIES

NO.	Type of activities ¹	Main partner	Title	Date/Period	Place	Type of audience ²	Size of audience	Countries addressed
International communications (presentations and posters)								
1	Presentation	GTK	Loukola-Ruskeeniemi et al. 2017. AgriAs – Evaluation and Management of Arsenic Contamination in Agricultural Soil and Water. WaterJPI Joint Call, Projects Kick-off Meeting 6.4.2017 Stockholm, Sweden.	April 2017	Stockholm, Sweden	Scientific & Water JPI Community	80	Europe
2	Presentation	GTK	Kaija, J. et al. 2017. Evaluation and management of arsenic contamination in agricultural soil and water. AgriAs Stakeholder Workshop - Informationsaustausch zur Bedeutung von Arsen in der Landwirtschaft.	September, 2017	Freiberg, Germany	AgriAs Stakeholders and Policy makers	35	Germany
3	Conference presentation	GTK	Loukola-Ruskeeniemi, K., Kaija, J., Tarvainen, T., Hatakka, T., Keiski, R., Turkki, A., Pinka, J., Jordan, I., Battaglia-Brunet, F., le-Guedard, M., Jones, C., Bhattacharya, P., Kurppa, S., Muller, I., Siebielec, G. and Veliz, J. 2018. Risks of arsenic exposure through agriculture. 33rd Nordic Geological Winter Meeting, Technical University of Denmark, Copenhagen, Denmark, Jan. 10-12, 2018. Abstract volume, p. 213.	January 2018	Online	Scientific Community	100	Europe
4	Conference presentation	GTK	Tarvainen, T. & Hatakka, T. 2018. European-wide data on arsenic concentrations in agricultural soil and waters. Pages 72-73 in: P. Skyttä & O. Eklund (eds.) 4th	March 2018	Online	Scientific Community	100	Europe

¹ 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.

² Scientific Community (higher education, Research), Industry, Civil Society, Policy makers, Medias, General public, Other ('multiple choices' is possible).

			Finnish National Colloquium of Geosciences, Turku, 14-15 March 2018. Abstract Book. Espoo: Geological Survey of Finland.					
5	Conference presentation	GTK	Tarvainen, T. & Hatakka, T. 2018. Applying FOREGS and GEMAS as background data in the AgriAs project. Joint Annual Meeting of EuroGeoSurveys Geochemistry Expert Group and IUGS Commission on Global Geochemical Baselines, 16 – 18 May 2018, Madrid, Spain.	May 2018	Madrid, Spain	Scientific Community	29	Europe
6	Conference presentation	GEOS	Jordan I, Reichel S, Janneck E, Abbenseth A, Patzig A. Safe water systems in Arsenic polluted agricultural areas using a novel Schwertmannite-based adsorbent'. Emerging pollutants in freshwater ecosystems, Water JPI 2018 Conference 6–7th of June, Helsinki FINLAND	June 2018	Helsinki, Finland	Scientific & Water JPI Community	200	Europe
7	Conference presentation	GTK	Hatakka, T. & Tarvainen, T. Arsenic data availability in agricultural soils and waters in Europe. 7th International Congress & Exhibition on Arsenic in the Environment, Environmental Arsenic in a Changing World (As2018).	July 2018	Beijing, China	Scientific Community	500	International
8	Conference presentation	All partners	Battaglia-Brunet, F., Lions, J., Joulian, C., Devau, N., Charron, M., Hube, D., Hellal, J., Le Guédard, M., Jordan, I., Bhattacharya, P., Loukola-Ruskeeniemi, K., Tarvainen, T. & Kaija, J. Characterization of an agricultural site historically polluted by the destruction of arsenic-containing chemical weapons. 7th International Congress & Exhibition on Arsenic in the Environment, Environmental Arsenic in a Changing World (As2018).	July 2018	Beijing, China	Scientific Community	500	International
9	Conference presentation	GEOS, BRGM, LEB	Jordan, I., Reichel, S., Janneck, E., Hellal, J., Devau, N, Le Guedard, M. & Klose, R. Agriculture in mining-impacted regions- Investigations on the influence of soil amendments on As mobility. Goldschmidt 2018.	August 2018	Boston, USA	Scientific Community	5000	International

10	Conference presentation	UOULU, GEOS	Valkama H., Kursula K., Rathnayake B., Ainassaari K., Jordan I., Muurinen E., Keiski R.L. Removal of arsenic from natural waters by membrane technologies and adsorption. International Scientific Conference on Sustainability and Innovation – STEPsCON2018. December 6-7 th , 2018.	December 2018	Leverkusen, GERMANY	Scientific Community	100	International
11	Meeting presentation	GTK	Kirsti Loukola-Ruskeeniemi, GTK. The overview of the project. AgriAs Final meeting.	March 2019	Oulanka, Finland	AgriAs + WaterJPI Community	25	Europe
12	Meeting presentation	GTK	Timo Tarvainen, GTK. Arsenic concentrations in water, soil, crops. AgriAs Final meeting.	March 2019	Oulanka, Finland	AgriAs + WaterJPI Community	25	Europe
13	Meeting presentation	BRGM, GEOS, LEB	Fabienne Battaglia-Brunet, BRGM et al. Effect of agricultural practices on arsenic. AgriAs Final meeting.	March 2019	Oulanka, Finland	AgriAs + WaterJPI Community	25	Europe
14	Meeting presentation	UOULU, KTH/KWR	Hanna Valkama, Esa Turpeinen, Auli Turkki, Riitta Keiski UOULU, Arslan Ahmad, KWR. Arsenic removal technology & innovation. AgriAs Final meeting.	March 2019	Oulanka, Finland	AgriAs + WaterJPI Community	25	Europe
15	Meeting presentation	KEMAKTA, KTH	Celia Jones, KEMAKTA. WP4. Risk assessment in selected target sites. AgriAs Final meeting.	March 2019	Oulanka, Finland	AgriAs + WaterJPI Community	25	Europe
16	Meeting presentation	All AgriAs partners	Kirsti Loukola-Ruskeeniemi et al. Sustainable management of arsenic risk & recommendations. AgriAs Final meeting.	March 2019	Oulanka, Finland	AgriAs + WaterJPI Community	25	Europe
17	Meeting presentation	UOULU, All partners	Auli Turkki, UOULU. Outreach & Exploitation. AgriAs Final meeting.	March 2019	Oulanka, Finland	AgriAs + WaterJPI Community	25	Europe
18	Presentation	GTK	Loukola-Ruskeeniemi, K., Kaija, J. and the AgriAs team. Evaluation and management of arsenic contamination in agricultural soil and water. Mid-term Evaluation Meeting of RDI projects.	March 2019	Madrid, Spain	Scientific & Water JPI Community	40	Europe

19	Conference presentation	GTK	Tarvainen T., Hatakka T., Loukola-Ruskeeniemi K. 2019. European wide data on arsenic concentrations in agricultural soils, waters and crops (AgriAs project). GSG 2019: 15th International Congress of the Geological Society of Greece.	23 May 2019	Athens	Scientific community	50	Greece
20	Conference presentation	BRGM/LEB	Jennifer Hellal, Nicolas Devau, Pablo Houlemare, Catherine Joulian, Daniel Hube, Marina Le Guedard and Battaglia-Brunet. Microbial communities in As contaminated agricultural soils -How PK fertiliser can influence As speciation. SETAC Europe 29th Meeting	May 2019	Helsinki, Finland	Scientific & SETAC Community	2161	International
21	Conference presentation	LEB/BRGM	Marina Le Guédard, Jennifer Hellal, Olivier Faure, Hube Daniel and Fabienne Battaglia-Brunet. Characterization of an agricultural soil polluted by As and its impact on plant species diversity and health. SETAC Europe 29th Meeting.	May 2019	Helsinki, Finland	Scientific & SETAC Community	2161	International
22	Conference presentation	GTK	K. Loukola-Ruskeeniemi, I. Müller, H. Daniel, R. Keiski, C. Jones, I. Jordan, M. Le Guedard, P. Bhattacharya, T. Tarvainen, J. Kaija, Geological survey of risk management of arsenic inherited from mining activities and World War I in the agricultural soils of Europe. SETAC Europe 29th Meeting.	May 2019	Helsinki, Finland	Scientific & SETAC Community	2161	International
23	Conference presentation	LEB/BRGM/GTK	F. Battaglia-Brunet, H. Thouin, M. Charron, N. Devau, M. Charron, C. Joulian, D. Hube, D. Breeze, J. Hellal, M. Le Guédard, Loukola-Ruskeeniemi K. Biogeochemistry of arsenic in a soil polluted by the destruction of chemical weapons: effect of agricultural amendments and redox conditions. ISEB Potsdam Germany	September 2019	Potsdam, Germany	Scientific Community	80	International
24	Poster	All partners	AgriAs Team. 2017. AgriAs – Evaluation and Management of Arsenic Contamination in Agricultural Soil and Water. WaterJPI Joint Call, Projects Kick-off Meeting 6.4.2017 in Stockholm, Sweden.	April 2017	Stockholm, Sweden	Scientific & Water JPI Community	100	Europe

25	Poster	BRGM	Hubé D, Battaglia-Brunet et al. 2018. Destruction of old chemical ammunition of the Great War on the western Front The hundred-year-old forgotten contaminations". Emerging pollutants in freshwater ecosystems, Water JPI 2018 Conference 6–7th of June, Helsinki FINLAND.	June 2018	Helsinki, Finland	Scientific & Water JPI Community	200	Europe
26	Poster	LfULG/GEOS	Müller I, Kardel K, Jordan I. Assessment of large-scale metal contaminated soils in Saxony (Germany) - is there an impact on the soil-to-water pathway? Emerging pollutants in freshwater ecosystems, Water JPI 2018 Conference 6–7th of June, Helsinki FINLAND.	June 2018	Helsinki, Finland	Scientific & Water JPI Community	200	Europe
27	Poster	UOULU	Valkama H, Kursula K, Rathnayake B, Muurinen E, Keiski R. Removal of arsenic from natural waters by low-pressure reverse osmosis. Emerging pollutants in freshwater ecosystems, Water JPI 2018 Conference 6–7th of June, Helsinki FINLAND.	June 2018	Helsinki, Finland	Scientific & Water JPI Community	200	Europe
28	Poster	UOULU, GEOS	Valkama H., Turpeinen E., Kursula K., Rathnayake B., Ainassaari K., Jordan I., Muurinen E., Keiski R.L. Experimental and sustainability analysis for arsenic removal technologies from surface water. SETAC Europe 29th Annual Meeting 26–30 May 2019, Helsinki FINLAND.	May 2019	Helsinki, Finland	Scientific & SETAC Community	2161	International, 64 countries
29	Poster	BRGM	H. Daniel, Industrial scale destruction of old chemical ammunition of the Great War on the western Front. Hundred-year-old forgotten contaminations?	May 2019	Helsinki, Finland	Scientific & SETAC Community	2161	International, 64 countries
30	Poster	All partners	AgriAs Team. 2019. AgriAs – Evaluation and Management of Arsenic Contamination in Agricultural Soil and Water. University Business Forum, October 16 th , 2019, Oulu, FINLAND.	October 2019	Oulu, Finland	Industry, Scientific community, entrepreneurs	200	Finland
31	Poster	UOULU, GEOS	Valkama H., Turpeinen E., Kursula K., Rathnayake B., Ainassaari K., Jordan I., Muurinen E., Keiski R.L. Experimental and sustainability analysis for arsenic removal technologies from surface water. University Business Forum, October 16 th , 2019, Oulu, FINLAND.	October 2019	Oulu, Finland	Industry, Scientific community, entrepreneurs	200	Finland

National communications (presentations and posters)								
32	Poster	UOULU	AgriAs. Älykäs erikoistuminen -seminaari 25.4.2017 Oulu, Finland	April 2017	Oulu, Finland	Scientific Community, stakeholders	60	Finland
33	Poster	KEMAKTA	Jones, J. Renare Mark (Cleaner Soils) spring meeting 2018. -AgriAs - Evaluation and management of arsenic contamination in agricultural soil and water	March 2018	Norrköping, Sweden	Scientific Community, authorities, entrepreneurs	65	Sweden
34	Poster	UOULU/GTK	Loukola-Ruskeeniemi, K., Keiski, R. & AgriAs Team. AgriAs – Evaluation and management of Arsenic contamination in agricultural soil and water.	October 2017	Oulu, Finland	Scientific Community, authorities, entrepreneurs	50	Finland
35	Poster	G.E.O.S./All partners	AgriAs Team 2019. AgriAs – Evaluation and Management of Arsenic Contamination in Agricultural Soil and Water. Saxon-Thuringian Soil Protection Days 19th – 20th June in Leipzig, Germany	June 2019	Leipzig, Germany	Scientific Community, authorities, entrepreneurs, Stakeholders	?	Germany
36	Poster	BRGM/LEB/G TK	F. Battaglia-Brunet, M. Le Guédard, K. Loukola- Ruskeeniemi, N. Devau, D. Hube, H. Thouin, P. Houllemare, M. Charron, D. Breeze, C. Joulian, J. Hellal. Mobilité et phytotoxicité de l'arsenic dans un sol pollué par une activité ancienne de destruction d'armes chimiques de la première guerre mondiale. Rencontres Nationales de la Recherche sur les Sites et Sols Pollués (ADEME)	November 2019	Paris, France	Scientific Community, Stakeholders	300	France
37	Poster	BRGM / LEB	Jennifer Hellal, Nicolas Devau, Hugues Thouin, Catherine Joulian, Daniel Hube, Marina Le Guédard, Dominique Breeze, Mickael Charron, Fabienne Battaglia-Brunet. Biogéochimie de l'arsenic dans un sol contaminé par la destruction d'armes chimiques: impacts des amendements agricoles et des conditions	November 2019	Bussang, France	Scientific community	200	France/French speaking countries

			d'oxydo-réduction. IXe Colloque de l'Association Francophone d'Ecologie Microbienne.					
Dissemination initiatives (popular articles)								
38	Media article	UOULU	Älykkään erikoistumisen seminaari Pohjois-Pohjanmaalla http://mailchi.mp/edita/europa-uutiskirje-ajassa-52017?e=48b8f2beac	April 2017	Online;	General Public	N/A	Finland
39	Media article Website	KTH	Jordbruksaktuellt Internationellt forskningsamarbete kring vatten. http://www.ja.se/artikel/53578/internationellt-forskningssamarbete-kring-vatten.html	April 2017	Online	General public	N/A	Sweden
40	Media article	N/A	AgriAs project on arsenic contamination concluded. The Circonomist, WATER, FOOD & ENERGY IN THE CIRCULAR ECONOMY. https://www.circonomist.com/general/agrias-project-on-arsenic-contamination-concluded/	May 2019	Online	Scientific Community	N/A	International
41	Science Blog	GTK	K. Loukola-Ruskeeniemi. Do you get too much arsenic from your diet? http://geokatse.gtk.fi/2019/10/07/science-blog-get-much-arsenic-diet/	October 2019	Online	General public+ scientific community	N/A	International
42	Article	GTK	K. Loukola-Ruskeeniemi. Arseeniriskin hallinta Suomessa ja Saksassa. Ympäristö ja Terveys (popular article in Finnish, 'Risk management of arsenic in Finland and in Germany' published in journal 'Environment and Health')	December 2019	Finland	Environmental authorities	1600	Finland
Dissemination initiatives (others)								
43	Stakeholder Workshop	GEOS/LfULG	AgriAs Stakeholder Workshop - Informationsaustausch zur Bedeutung von Arsen in der Landwirtschaft.	September 2017	Freiberg, Germany	German speaking stakeholders	35	Germany
44	Stakeholder Workshop	GTK	AgriAs Stakeholder Workshop	June 2018	Tampere, Finland	Finnish speaking stakeholders	30	Finland

45	Stakeholder Workshop	BRGM/LEB/G TK	Workshop of presentations and exchanges on the thematics of AgriAs project	September 2018	Orléans, France	French speaking stakeholders	50	French speaking countries
46	Website	BRGM	Evaluation et gestion de la contamination par l'arsenic dans les sols agricoles et les eaux – projet AgriAs. http://www.poledream.org/wp-content/uploads/2018/07/AgriAs_Workshop-Orl%C3%A9ans24sept.pdf	September 2018	Orléans, France	French speaking stakeholders	N/A	France
47	Scientific Workshop	GTK/BRGM/LEB/G.E.O.S./UOULU/KEM AKTA	Arsenic Workshop with Learning Café - Recommendations and guidelines for arsenic in agricultural soil and water. SETAC Europe 29th Meeting.	May 2019	Helsinki, Finland	Scientific & SETAC community	30	International
48	Website	WaterJPI	AgriAs – Evaluation and Management of Arsenic Contamination in Agricultural Soil and Water. http://www.waterjpi.eu/index.php?option=com_content&view=article&id=553:agrias-2&catid=156:joint-calls	April 2017	Online	General Public	N/A	International
49	AgriAs website	GTK	http://projects.gtk.fi/AgriAs/index.html	April 2017	Online	General Public	N/A	International
50	Website	KWR	Evaluation and management of arsenic contamination in agricultural soil and water (AgriAs) https://www.kwrwater.nl/en/projecten/evaluation-and-management-arsenic-contamination-agricultural-soil-and-water-agrias/	July 19, 2017-	Online	Scientific & Water JPI Community, General public		International
51	Website	FACCEJPI	21 projects selected for funding in the ERA-NET Cofund with Water JPI. https://www.faccejpi.com/layout/set/print/FACCE-JPI-Home/FACCE-JPI-News/21-projects-selected-for-funding-in-the-ERA-NET-Cofund-with-Water-JPI	April 2017	Online	Scientific & Water JPI Community		International
52	Website	ERA-LEARN	Project: Evaluation and management of As contamination in agricultural water and soil. https://www.era-learn.eu/network-information/networks/waterworks2015/2016-joint-call-sustainable-management-of-water-resources-in-	April 2017	Online	Scientific Community	N/A	Europe

			agriculture-forestry-and-freshwater-aquaculture-sectors/evaluation-and-management-of-as-contamination-in-agricultural-water-and-soil					
53	Website	KTH (FORMAS)	Utvärdering av hantering av arsenikförorening i jordbruksmark och vatten (AgriAs) http://www.formas.se/Documents/Svenska%20projekt%20WaterJPI2016%20Joint%20Call.pdf	April 2017	Online	Scientific & Water JPI Community		Sweden
54	Research Gate	GTK + all partners	https://www.researchgate.net/project/Evaluation-and-Management-of-Arsenic-Contamination-in-Agricultural-Soil-and-Water	August 2017	Online	Scientific & Water JPI Community		International
55	Twitter Situation on 27.10.2019	GTK	@AgriAs_EU 244 followers, @AgriAs_EU follows 684 accounts, @AgriAs has tweeted 323 times	April 2017 - October 2019	Online	Scientific & Water JPI Community, Authorities, NGOs, Entrepreneurs, General public	~2000 AgriAs EU profile visits	International
56	Flyer	GTK	Bewertung und Management der Arsenbelastung in landwirtschaftlich genutzten Böden und Wässern	September 2017	Online + print	German speaking stakeholders	300 printed	German speaking countries
57	Flyer	GTK	Evaluation and Management of Arsenic Contamination in Agricultural Soil and Water	October 2017	Online + print	English, stakeholders	500 printed	International
58	Flyer	GTK	Evaluation et gestion de la contamination par l'arsenic dans les sols agricoles et les eaux	October 2017	Online + print	French speaking stakeholders	300 printed	French speaking countries
59	Website	BRGM	AgriAs Workshop 2019. https://www.brgm.eu/news-media/agrias-workshop-2019	May 2019	Online	Scientific community	N/A	Europe
Planned publications, accepted by the Governing Board of the AgriAs project								
60	International referee journal article	GTK/G.E.O.S./BRGM/LEB/KEMAKTA/U OULU/LFULG	Preliminary title: Risk management of arsenic in the agricultural soils of Europe (Journal of Environmental Management, Elsevier)	Submission in 2020		Scientific Community	N/A	International

61	International referee journal article	BRGM/LEB	Preliminary title: Ecotoxicological characterisation of an agricultural soil highly contaminated by WW1 weapon destruction	Submission in 2020		Scientific Community	N/A	International
62	International referee journal article	BRGM/LEB	Influence of agricultural amendments on the biogeochemistry and phytotoxicity of arsenic in a soil polluted by the destruction of arsenic-containing shells	Submitted in 'Hazardous Materials' in January 2020		Scientific Community	N/A	International
63	International referee journal article	BRGM	Preliminary title: Mobility of arsenic driven biogeochemical processes in contrasted redox conditions: effect of fertilizer	Submission in 2020		Scientific Community	N/A	International
64	International referee journal article	BRGM/LEB	Preliminary title: Influence of nitrogen fertilization on toxicity of arsenic, speciation and transfer in spring Barley	Submission in 2020		Scientific Community	N/A	International
65	International referee journal article	GTK/GEOS/BRGM/LfULG/Luke (Finland)	Preliminary title: Arsenic in agro-ecosystems under anthropogenic pressure in Germany and France compared to a geogenic arsenic region in Finland	Submission in 2020		Scientific Community	N/A	International
66	International referee journal article	UOULU	Preliminary title: Experimental and sustainability analysis for arsenic removal technologies from agricultural surface water	Submission in 2020		Scientific Community	N/A	International
67	International referee journal article	GTK et al.	Preliminary title: Geogenic and anthropogenic As in agricultural soils: risk management procedures developed in Europe (a short and general paper)	Submission in 2020		Scientific Community	N/A	International
68	International referee journal article	KEMAKTA	Preliminary title: A model for assessing health risks of arsenic in agricultural soil	Submission in 2020		Scientific Community	N/A	International

Master's theses								
69	Master's thesis (Tech.)	UOULU	Kalle Kursula: Removal of arsenic from contaminated natural water using membrane technology	October 2018	Finland	Scientific Community	N/A	International
70	Master's thesis (Tech.)	UOULU	Moaadh Benkherouf: Life cycle assessment of arsenic removal methods.	November 2018	Finland	Scientific Community	N/A	International
71	Master's thesis (Tech.)	KTH/ KEMAKTA	Supritha Vijayakumar: Developing a model for risk assessment of arsenic exposure in agricultural regions of Europe	December 2018	Sweden	Scientific Community	N/A	International
72	Master's thesis (Tech.)	KTH/KWR	Anna Christoforidou: Arsenic contamination in natural waters: a critical analysis on the role of Fe-oxides in As removal	May 2018	Sweden	Scientific Community	N/A	International