

Action Questionnaire ICSHNet 1408

Rationale and Objectives

One of the major objectives and tasks of our COST ACTION is to assess the availability of data, research tools, and communication strategies that have been or are being applied in Industrially Contaminated Sites (ICS) in all participating countries.

To this purpose an Action survey has been designed to identify information needs and research gaps in a sample of ICS identified by Action countries.

The other major parallel task of the Action is to review and identify research tools and sound methodologies available to face environmental health issues in ICS.

Integrating the information obtained with the Action survey with the knowledge learned on suitable methodologies will facilitate the identification of a range of different approaches for characterizing the potential impacts on health in ICS that can fit to the data and resources available in different regions and ICS scenarios across Europe.

Action Survey

The Action survey will be conducted by using this online Action Questionnaire (AQ) applied to the entire list of 100 ICS previously identified and reported by members of the COST Action. One of those sites is reported by you.

The conductors of the survey, Piedad Martín-Olmedo (Chair of WG1) and Carmen Sánchez-Cantalejo (member of WG1), both affiliated to the Andalusian School of Public Health (Spain), will handle all the information you provide strictly confidentially.

By no mean, the contribution of any participants will be made public, the information of a site will not represent an official statement (national, regional or local), and no comparisons among countries, regions or site will be made.

This online survey consist of 84 questions organised in eight sections: industrial activities operating at the site, main contaminants, population, exposure, health data, health studies, communication strategies, and references available. Different sections have different length depending on data availability and type of studies conducted. We strongly encourage you to provide as much information as possible about each ICS site, with emphasis in section 8 related to references.

Each site is assigned to one single reporter. This does not mean that more professionals can not contribute to filling in the AQ, and that their contributions will not be acknowledged. For facilitating the contributions, you as contact person would only have to forward our email with the link to the AQ to those other colleagues. In this sense we assure to have only one entry with results per site.

You can complete the questionnaire at different moments; your inputs will be saved automatically when you close the Web site of the AQ. To keep answering, you will only have to click in the link you will find below in this email; you will get back to the same page of the AQ you were when the working session was closed. Press the button "exist and clear" only if

you want to remove all your inputs and start from the beginning. For submitting the AQ, you must move towards the end (section 8) and press “Submit”.

We really appreciate your collaboration and contribution, and we kindly ask you to submit the AQ no later than 30th May 2018.

Thank you very much in advance for your effort and compromise.

There are 84 questions in this survey

Section 1: Industrial Activities at the ICS

[]1.1.a. Select the main industrial activities which took place or are taking place in the ICS assigned to you

Please choose the appropriate response for each item:

	Yes	No	Don't know
Chemical industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pharmaceutical industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Petrochemical plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil refinery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil Extraction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electric Power plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Steel Plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metallurgic Plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Waste Disposal of industrial (or partially) origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Treatment site of wastes of industrial (or partially) origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mining industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]1.1.b. Please, report **any other industrial activity which took place or is taking place in this ICS**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [S1a]' (1.1.a. Select the main industrial activities which took place or are taking place in the ICS assigned to you (Other activities))

Please write your answer(s) here:

Other activities 1

Other activities 2

Other activities 3

[]1.2.a. For the following set of Industrial Activities which took place or

are taking place in this ICS, select the appropriate answers for each questions

Please choose the appropriate response for each item:

	A. Click if still operating			B. Data inventory on emissions public available		
	Yes	No	Don't know	Yes	No	Don't know
Chemical industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pharmaceutical industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Petrochemical plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil refinery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil extraction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electric Power plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Steel plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metallurgic plant	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Waste disposal of industrial (or partially) industrial origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Treatment site of wastes of industrial (or partially) industrial origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mining industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[] 1.2.b. For **any other industrial activity** not listed in the previous question, please report if it is still operating and if there is any data inventory on emissions public available.

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [S1a]' (1.1.a. Select the main industrial activities which took place or are taking place in the ICS assigned to you (Other activities))

Please write your answer(s) here:

Other activities 1

Other activities 2

Other activities 3

[] 1.3.a. If available, report the period of activity of the above selected industrial activities (if you don't know, please leave it empty)

	From	Till
Chemical industry	<input type="text"/>	<input type="text"/>
Pharmaceutical industry	<input type="text"/>	<input type="text"/>
Petrochemical plant	<input type="text"/>	<input type="text"/>
Oil refinery	<input type="text"/>	<input type="text"/>
Oil Extraction	<input type="text"/>	<input type="text"/>

	From	Till
Electric Power plant	<input type="text"/>	<input type="text"/>
Steel Plant	<input type="text"/>	<input type="text"/>
Metallurgic Plant	<input type="text"/>	<input type="text"/>
Waste Disposal of industrial (or partially) industrial origin	<input type="text"/>	<input type="text"/>
Treatment site of wastes of industrial (or partially) industrial origin	<input type="text"/>	<input type="text"/>
Mining industry	<input type="text"/>	<input type="text"/>
Other activities	<input type="text"/>	<input type="text"/>

[] 1.3.b. For **any other industrial activity** not included in the previous question, please report the period of activity (starting and ending year of activity).

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '1 [S1a]' (1.1.a. Select the main industrial activities which took place or are taking place in the ICS assigned to you (Other activities))

Please write your answer(s) here:

Other activities 1

Other activities 2

Other activities 3

Section 2: Contaminants

[]

2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you

Please choose the appropriate response for each item:

	Yes	No	Don't know
SOIL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SEDIMENTS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BIOTA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
FOODSTUFF LOCALLY PRODUCED	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SURFACE AND GROUND WATER	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AMBIENT AIR	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[] 2.1.a. Report the main categories of contaminants affecting **SOIL** in the area of the ICS assigned to you, and the frequency for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SOIL))

Please choose the appropriate response for each item:

	A. Contaminants affecting soils				B. Frequency of data reported (NA=not applied)					
	Yes	No	Don't know	>1 year	Yearly	Monthly	Hourly	Ad Hoc	Other	NA
Chlorinated Hydrocarbons (PVC, Chloromethanes, pesticides, PCBs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mineral oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heavy metals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Phenols	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cyanides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aromatic Hydrocarbons (BTEX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polychlorinated dibenzodioxins and polychlorinated dibenzofurans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]2.1.b. For those contaminants affecting **SOIL** reported routinely (any frequency different from *ad hoc*), please, specify the monitoring period

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SOIL))

	From	To
Chlorinated Hydrocarbons (CHC)	<input type="text"/>	<input type="text"/>
Mineral oil	<input type="text"/>	<input type="text"/>
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="text"/>	<input type="text"/>
Heavy metals	<input type="text"/>	<input type="text"/>
Phenols	<input type="text"/>	<input type="text"/>
Cyanides	<input type="text"/>	<input type="text"/>
Aromatic Hydrocarbons (BTEX)	<input type="text"/>	<input type="text"/>
Others	<input type="text"/>	<input type="text"/>

[]2.1.c. Report what **OTHER** contaminant (s) affecting **SOIL** have been reported at this ICS, the frequency and the monitoring period for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SOIL)) *and* Answer was 'Monthly' or 'Hourly' or '>1 year' or '>1 year' or 'Yearly' or 'Ad Hoc' or 'Other' at question '8 [S2b]' (2.1.a. Report the main categories of contaminants affecting SOIL in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied))) *and* Answer was 'Monthly' or 'Hourly' or '>1 year' or '>1 year' or 'Yearly' or 'Ad Hoc' or 'Other' at question '8 [S2b]' (2.1.a. Report the main categories of contaminants affecting SOIL in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied)))

Please write your answer(s) here:

Other contaminant, frequency and monitoring period 1

Other contaminant, frequency and monitoring period 2

Other contaminant, frequency and monitoring period 3

[]2.2.a. Report the main categories of contaminants affecting **SEDIMENTS** in the area of the ICS assigned to you, and the frequency for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SEDIMENTS))

Please choose the appropriate response for each item:

A. Contaminants affecting sediments				B. Frequency of data reported (NA=not applied)					
		Don't	>1			Ad			
Yes	No	Know	Year	Yearly	Monthly	Hourly	Hoc	Other	NA

	A. Contaminants affecting sediments				B. Frequency of data reported (NA=not applied)					
	Yes	No	Don't Know	>1 Year	Yearly	Monthly	Hourly	Ad Hoc	Other	NA
Chlorinated Hydrocarbons (PVC, Chloromethanes, pesticides, PCBs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mineral oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heavy metals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Phenols	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cyanides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aromatic Hydrocarbons (BTEX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polychlorinated dibenzodioxins and polychlorinated dibenzofurans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[] 2.2.b. For those contaminants affecting **SEDIMENTS** reported routinely (any frequency different from *ad hoc*) , please, specify the monitoring period

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SEDIMENTS))

	From	To
Chlorinated Hydrocarbons (CHC)	<input type="text"/>	<input type="text"/>
Mineral oil	<input type="text"/>	<input type="text"/>
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="text"/>	<input type="text"/>
Heavy metals	<input type="text"/>	<input type="text"/>
Phenols	<input type="text"/>	<input type="text"/>
Cyanides	<input type="text"/>	<input type="text"/>
Aromatic Hydrocarbons (BTEX)	<input type="text"/>	<input type="text"/>
Others	<input type="text"/>	<input type="text"/>

[] 2.2.c. Report what **OTHER** contaminant (s) affecting **SEDIMENTS** have been reported at this ICS, the frequency and the monitoring period for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SEDIMENTS)) *and* Answer was 'Ad Hoc' or

'Other' or '>1 Year' or '>1 Year' or 'Yearly' or 'Monthly' or 'Hourly' at question '11 [S2c]' (2.2.a. Report the main categories of contaminants affecting SEDIMENTS in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied))) and Answer was 'Ad Hoc' or 'Other' or '>1 Year' or '>1 Year' or 'Yearly' or 'Monthly' or 'Hourly' at question '11 [S2c]' (2.2.a. Report the main categories of contaminants affecting SEDIMENTS in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied)))

Please write your answer(s) here:

Other contaminant, frequency and monitoring period 1

Other contaminant, frequency and monitoring period 2

Other contaminant, frequency and monitoring period 3

[]2.3.a. Report the main categories of contaminants affecting **BIOTA in the area of the ICS assigned to you, and the frequency for data reported**

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (BIOTA))

Please choose the appropriate response for each item:

	A. Contaminants affecting biota				B. Frequency of data reported (NA=not applied)					
	Yes	No	Don't know	>1 Year	Yearly	Monthly	Hourly	Ad hoc	Other	NA
Chlorinated Hydrocarbons (PVC, Chloromethanes, pesticides, PCBs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mineral oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heavy metals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Phenols	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cyanides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aromatic Hydrocarbons (BTEX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polychlorinated dibenzodioxins and polychlorinated dibenzofurans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]2.3.b. For those contaminants affecting **BIOTA reported routinely**

(any frequency different from ad hoc), please, specify the monitoring period

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (BIOTA))

	From	To	
Chlorinated Hydrocarbons (CHC)	<input type="text"/>	<input type="text"/>	
Mineral oil	<input type="text"/>	<input type="text"/>	
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="text"/>	<input type="text"/>	
Heavy metals	<input type="text"/>	<input type="text"/>	
Phenols	<input type="text"/>	<input type="text"/>	
Cyanides	<input type="text"/>	<input type="text"/>	
Aromatic Hydrocarbons (BTEX)	<input type="text"/>	<input type="text"/>	
Others	<input type="text"/>	<input type="text"/>	

[]2.3.c. Report what OTHER contaminants affecting **BIOTA** have been reported at this ICS, the frequency and the monitoring period for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (BIOTA)) *and* Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Monthly' or 'Hourly' or 'Ad hoc' or 'Other' at question '14 [S2d]' (2.3.a. Report the main categories of contaminants affecting BIOTA in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied))) *and* Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Monthly' or 'Hourly' or 'Ad hoc' or 'Other' at question '14 [S2d]' (2.3.a. Report the main categories of contaminants affecting BIOTA in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied)))

Please write your answer(s) here:

Other contaminant, frequency and monitoring period 1

Other contaminant, frequency and monitoring period 2

Other contaminant, frequency and monitoring period 3

[]2.4.a. Report the main categories of contaminants affecting **FOODSTUFF LOCALLY PRODUCED** in the area of the ICS assigned to you, and the frequency for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (FOODSTUFF LOCALLY PRODUCED))

Please choose the appropriate response for each item:

A. Contaminants affecting foodstuff			B. Frequency of data reported (NA=not applied)						
Yes	No	Don't know	>1 Year	Yearly	Montly	Hourly	Other	NA	

	A. Contaminants affecting foodstuff			B. Frequency of data reported (NA=not applied)					
	Yes	No	Don't know	>1 Year	Yearly	Montly	Hourly	Other	NA
Chlorinated Hydrocarbons (PVC, Chloromethanes, pesticides, PCBs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mineral oil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heavy metals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Phenols	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cyanides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aromatic Hydrocarbons (BTEX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polychlorinated dibenzodioxins and polychlorinated dibenzofurans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]2.4.b. For those contaminants affecting **FOODSTUFF LOCALLY PRODUCED** reported routinely, please, specify the monitoring period

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (FOODSTUFF LOCALLY PRODUCED))

	From	To
Chlorinated Hydrocarbons (CHC)	<input type="text"/>	<input type="text"/>
Mineral oil	<input type="text"/>	<input type="text"/>
Polycyclic Aromatic Hydrocarbons (PAH)	<input type="text"/>	<input type="text"/>
Heavy metals	<input type="text"/>	<input type="text"/>
Phenols	<input type="text"/>	<input type="text"/>
Cyanides	<input type="text"/>	<input type="text"/>
Aromatic Hydrocarbons (BTEX)	<input type="text"/>	<input type="text"/>
Others	<input type="text"/>	<input type="text"/>

[]2.4.c. Report what **OTHER** contaminants affecting **FOODSTUFF LOCALLY PRODUCED** have been reported at this ICS, the frequency and the monitoring period for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (FOODSTUFF LOCALLY PRODUCED)) and Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Montly' or 'Hourly' or 'Other' at question '17 [S2e]' (2.4.a.

Report the main categories of contaminants affecting FOODSTUFF LOCALLY PRODUCED in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied))) and Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Montly' or 'Hourly' or 'Other' at question '17 [S2e]' (2.4.a. Report the main categories of contaminants affecting FOODSTUFF LOCALLY PRODUCED in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied)))

Please write your answer(s) here:

Other contaminant, frequency and monitoring period 1

Other contaminant, frequency and monitoring period 2

Other contaminant, frequency and monitoring period 3

[]2.5.a. Report the main categories of contaminants affecting SURFACE AND GROUND WATERS in the area of the ICS assigned to you, and the frequency for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SURFACE AND GROUND WATER))

Please choose the appropriate response for each item:

	A. Contaminants affecting water				B. Frequency of data reported (NA=not applied)					
	Yes	No	Don't know	>1 Year	Yearly	Montly	Hourly	Ad hoc	Other	NA
Chlorinated Hydrocarbons (PVC, Chloromethanes, pesticides, PCBs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organophosphorus compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organotin compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aromatic hydrocarbons (BTEX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polychlorinated dibenzodioxins and polychlorinated dibenzofurans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metals and their compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arsenic and its compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biocides and plant health products	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]2.5.b. For those contaminants affecting SURFACE AND GROUND

WATER reported routinely, please, specify the monitoring period

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SURFACE AND GROUND WATER))

	From	To	
Organohalogen compounds	<input type="text"/>	<input type="text"/>	
Organophosphorus compounds.	<input type="text"/>	<input type="text"/>	
Organotin compounds.	<input type="text"/>	<input type="text"/>	
Persistent Organic Pollutants (POPs)	<input type="text"/>	<input type="text"/>	
Cyanides.	<input type="text"/>	<input type="text"/>	
Metals and their compounds.	<input type="text"/>	<input type="text"/>	
Arsenic and its compounds.	<input type="text"/>	<input type="text"/>	
Biocides and plant health products	<input type="text"/>	<input type="text"/>	
Others	<input type="text"/>	<input type="text"/>	

[]2.5.c. Report what OTHER contaminants affecting SURFACE AND GROUND WATER have been reported at this ICS, the frequency and the monitoring period for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (SURFACE AND GROUND WATER)) *and*

Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Montly' or 'Hourly' or 'Ad hoc' or 'Other' at question '20 [S2f]'

(2.5.a. Report the main categories of contaminants affecting SURFACE AND GROUND WATERS in the

area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data

reported (NA=not applied))) *and* Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Montly' or 'Hourly' or 'Ad

hoc' or 'Other' at question '20 [S2f]' (2.5.a. Report the main categories of contaminants affecting SURFACE

AND GROUND WATERS in the area of the ICS assigned to you, and the frequency for data reported

(Others Label B. Frequency of data reported (NA=not applied)))

Please write your answer(s) here:

Other contaminant, frequency and monitoring period 1

Other contaminant, frequency and monitoring period 2

Other contaminant, frequency and monitoring period 3

[]2.6.a. Report the main categories of contaminants affecting AMBIENT AIR in the area of the ICS assigned to you, and the frequency for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (AMBIENT AIR))

Please choose the appropriate response for each item:

A. Contaminants
affecting Air

B. Frequency of data reported (NA=not applied)

	Yes	No	Don't Know	>1 Year	Yearly	Monthly	Hourly	Ad hoc	Other	NA
Sulphur dioxide and other sulphur compounds.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oxides of nitrogen and other nitrogen compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carbon monoxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Volatile organic compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Black carbon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Particulate matter (PM10, PM2,5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metals and their compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asbestos (suspended particulates, fibres)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorine and its compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fluorine and its compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arsenic and its compounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cyanides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorinated Hydrocarbons (PVC, Chloromethanes, pesticides, PCBs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aromatic hydrocarbons (BTEX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Polychlorinated dibenzodioxins and polychlorinated dibenzofurans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[] 2.6.b. For those contaminants affecting **AMBIENT AIR** reported routinely, please, specify the monitoring period

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (AMBIENT AIR))

	From	To
Sulphur dioxide and other sulphur compounds.	<input type="text"/>	<input type="text"/>
Oxides of nitrogen and other nitrogen compounds.	<input type="text"/>	<input type="text"/>
Carbon monoxide.	<input type="text"/>	<input type="text"/>
Volatile organic compounds.	<input type="text"/>	<input type="text"/>
Metals and their compounds	<input type="text"/>	<input type="text"/>
Asbestos (suspended particulates, fibres).	<input type="text"/>	<input type="text"/>
Chlorine and its compounds.	<input type="text"/>	<input type="text"/>
Fluorine and its compounds.	<input type="text"/>	<input type="text"/>
Arsenic and its compounds.	<input type="text"/>	<input type="text"/>
Cyanides.	<input type="text"/>	<input type="text"/>
Persistent Organic Pollutants (POPs)	<input type="text"/>	<input type="text"/>
Polycyclic aromatic hydrocarbons (PAH)	<input type="text"/>	<input type="text"/>
Benzo-pyrene	<input type="text"/>	<input type="text"/>
Benzo-fluoranthene	<input type="text"/>	<input type="text"/>
Polychlorinated dibenzodioxins and polychlorinated dibenzofurans	<input type="text"/>	<input type="text"/>
Polychlorinated biphenols	<input type="text"/>	<input type="text"/>
Hexachlorobenzene (HCB)	<input type="text"/>	<input type="text"/>
Black carbon	<input type="text"/>	<input type="text"/>
Particulate matter (PM10, PM2,5)	<input type="text"/>	<input type="text"/>
Others	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>

[] 2.6.c. Report what OTHER contaminants affecting **AMBIENT AIR** have been reported at this ICS, the frequency and the monitoring period for data reported

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '7 [S2a]' (2.0. Report if there are data on contaminants for each of the following environmental media in the area of the ICS assigned to you (AMBIENT AIR)) *and* Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Monthly' or 'Hourly' or 'Ad hoc' or 'Other' at question '23 [S2g]' (2.6.a. Report the main categories of contaminants affecting AMBIENT AIR in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied))) *and* Answer was '>1 Year' or '>1 Year' or 'Yearly' or 'Monthly' or 'Hourly' or 'Ad hoc' or 'Other' at question '23 [S2g]' (2.6.a. Report the main categories of contaminants affecting AMBIENT AIR in the area of the ICS assigned to you, and the frequency for data reported (Others Label B. Frequency of data reported (NA=not applied)))

Please write your answer(s) here:

Other contaminant, frequency and monitoring period 1

Other contaminant, frequency and monitoring period 2

Other contaminant, frequency and monitoring period 3

Section 3: Population

[]3.1. Report if there is information referring to the demographic characteristics of the population living close to this ICS

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]3.2. Could you provide information about the frequency at which the demographic characteristics of the population living close to this ICS are being /have been recorded?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '26 [S3a]' (3.1. Report if there is information referring to the demographic characteristics of the population living close to this ICS)

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yearly
- ☐ Don't Know
- ☐ Others (please, specify)

[]3.3. Could you provide information about the size of this population (number of inhabitants)?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '26 [S3a]' (3.1. Report if there is information referring to the demographic characteristics of the population living close to this ICS)

Only numbers may be entered in this field.

Please write your answer here:

[]3.4. Please, report what type of demographic information is available, and, if possible, the data aggregation level for each criteria

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '26 [S3a]' (3.1. Report if there is information referring to the demographic characteristics of the population living close to this ICS)

Please choose the appropriate response for each item:

	Data availability			Data aggregation level					
	Yes	No	Don't know	Individual level	Census tract level	District	Municipality	Region	Don't Know
Age	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gender	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Data availability			Data aggregation level					
	Yes	No	Don't know	Individual level	Census tract level	District	Municipality	Region	Don't Know
Socioeconomic factors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ethnicity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]3.5. Please select which of the following socioeconomic factors are available

Only answer this question if the following conditions are met:

Answer was 'Individual level' at question '29 [S3d]' (3.4. Please, report what type of demographic information is available, and, if possible, the data aggregation level for each criteria (Socioeconomic factors Label Data availability))

Check all that apply

Please choose **all** that apply:

- ☐ Educational level
- ☐ Income
- ☐ Occupation
- ☐ House characteristics
- ☐ Others (please, specify):

[]3.6. If possible, provide information about the approximate number of workers at the industrial facilities at your site (if you don't know, leave it empty)

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '26 [S3a]' (3.1. Report if there is information referring to the demographic characteristics of the population living close to this ICS)

	Nº of workers	
Chemical industry	<input type="text"/>	
Pharmaceutical industry	<input type="text"/>	
Petrochemical plant	<input type="text"/>	
Oil refinery	<input type="text"/>	
Oil Extraction	<input type="text"/>	
Electric Power plant	<input type="text"/>	
Steel Plant	<input type="text"/>	
Metallurgic Plant	<input type="text"/>	
Waste Disposal of industrial (or partially) industrial origin	<input type="text"/>	
Treatment site of wastes of industrial (or partially) industrial origin	<input type="text"/>	
Mining industry	<input type="text"/>	

Section 4: Exposure

[]4.1. Has the exposure of the population living close to the ICS been characterized?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]4.2.a. Select which of the following main categories of contaminants was/were included in the exposure assessment conducted at this ICS

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '32 [S4a]' (4.1. Has the exposure of the population living close to the ICS been characterized?)

Check all that apply

Please choose **all** that apply:

- ☐ Sulphur dioxide and other sulphur compounds.
- ☐ Oxides of nitrogen and other nitrogen compounds
- ☐ Carbon monoxide
- ☐ Volatile organic compounds
- ☐ Black carbon
- ☐ Particulate matter (PM10, PM2,5)
- ☐ Metals and their compounds
- ☐ Asbestos (suspended particulates, fibres)
- ☐ Chlorine and its compounds
- ☐ Fluorine and its compounds
- ☐ Arsenic and its compounds
- ☐ Cyanides
- ☐ Chlorinated Hydrocarbons (PVC, Chloromethanes, pesticides, PCBs)
- ☐ Aromatic hydrocarbons (BTEX)
- ☐ Polychlorinated dibenzodioxins and polychlorinated dibenzofurans
- ☐ Others (please, specify):

[]4.3. Provide information about the population groups addressed in the exposure assessment/s conducted in this ICS

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '32 [S4a]' (4.1. Has the exposure of the population living close to the ICS been characterized?)

Check all that apply

Please choose **all** that apply:

☐ General population

☐ Children

☐ Workers

☐ Others (please, specify):

[]4.4. Please, provide information about the approach/ches used for the exposure assessment at this ICS

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '32 [S4a]' (4.1. Has the exposure of the population living close to the ICS been characterized?)

Check all that apply

Please choose **all** that apply:

☐ Residence in the ICS area (living in the area affected by the ICS vs living in areas not affected),

☐ Distance of residence from the ICS

☐ Measures of contaminants in environmental media

☐ Modelling of diffusion of contaminants based on emissions/environmental monitoring

☐ Personal exposure measurement (e.g using dosimeters to assess exp. to air pollution)

☐ Human biomonitoring

☐ Others (please, specify):

[]4.5. If exposure modelling were used, please specify what kind of modelling (e.g. name of the software package used)

Only answer this question if the following conditions are met:

Answer was at question '35 [S4d]' (4.4. Please, provide information about the approach/ches used for the exposure assessment at this ICS)

Please write your answer(s) here:

Software 1

Software 2

Software 3

Section 5.1: Heath Data (Mortality)

[]5.1. Are MORTALITY data (vital statistics) recorded for residents living close to this ICS?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]5.2. Could you specify the period from the starting year to the most recent year when MORTALITY data were recorded in this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '37 [S5a]' (5.1. Are MORTALITY data (vital statistics) recorded for residents living close to this ICS?)

Please write your answer(s) here:

Starting year

Most recent year

[]5.3. Could you specify the smallest level of mortality data aggregation in the ICS area?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '37 [S5a]' (5.1. Are MORTALITY data (vital statistics) recorded for residents living close to this ICS?)

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Individual level
- ☐ Census block
- ☐ District
- ☐ Municipality
- ☐ Others (please, specify)

[]5.4. Please select the addecuated options in both questions

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '37 [S5a]' (5.1. Are MORTALITY data (vital statistics) recorded for residents living close to this ICS?)

Please choose the appropriate response for each item:

Mortality data			Smallest level of mortality data aggregation				
include		Don't know	Individual level	Census block	District	Municipality	Others
Yes	No						

	Mortality data include			Smallest level of mortality data aggregation				
	Yes	No	Don't know	Individual level	Census block	District	Municipality	Others
Included cause of death	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reported according to the International Classification of Diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]5.5. Do mortality data in the ICS include the following information (multiple choices are possible) ?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '37 [S5a]' (5.1. Are MORTALITY data (vital statistics) recorded for residents living close to this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Gender
- ☐ Age
- ☐ Place of birth
- ☐ Place of residence
- ☐ Place of death
- ☐ Socio-economic status (e.g education level, other,...)
- ☐ Personal address
- ☐ Others (please, specify):

[]5.6. For the two specific aspects related to mortality rates, specify if there are available data, and the geographical level of reference.

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '37 [S5a]' (5.1. Are MORTALITY data (vital statistics) recorded for residents living close to this ICS?)

Please choose the appropriate response for each item:

	A. Mortality rates available			B. Smallest geographical level			
	Yes	No	Don't know	Provincial	Regional	National	Municipality
Population reference data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cause-specific reference rates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Section 5.2: Health Data (Hospitalizations)

[]5.7. Are HOSPITAL DISCHARGE data recorded for residents living close to this ICS?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]5.8. Could you specify the period from the starting year to the most recent year HOSPITAL DISCHARGES data were recorded in this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '43 [S5g]' (5.7. Are HOSPITAL DISCHARGE data recorded for residents living close to this ICS?)

Please write your answer(s) here:

Starting year

Most recent year

[]5.9. Could you specify the smallest level of HOSPITAL DISCHARGES data aggregation in the ICS area?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '43 [S5g]' (5.7. Are HOSPITAL DISCHARGE data recorded for residents living close to this ICS?)

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Individual level
- ☐ Census block
- ☐ District
- ☐ Municipality
- ☐ Others
- ☐ Others (please, specify)

[]5.10. Please, select the adecuated options

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '43 [S5g]' (5.7. Are HOSPITAL DISCHARGE data recorded for residents living close to this ICS?)

Please choose the appropriate response for each item:

	Yes	No	Don't know
--	-----	----	------------

	Yes	No	Don't know
The recorded discharge data include the diagnosis of HOSPITALIZATION	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The causes of death are codified according to the International Classification of Diseases (ICD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]5.11. Do Hospital Discharges data in the ICS include the following information (multiple choices are possible) ?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '43 [S5g]' (5.7. Are HOSPITAL DISCHARGE data recorded for residents living close to this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Gender
- ☐ Age
- ☐ Place of birth
- ☐ Place of residence
- ☐ Place of death
- ☐ Socio-economic status (e.g education level, other,...)
- ☐ Personal address
- ☐ Others (please, specify):

[]5.12. Please select the adecuated option in both case

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '43 [S5g]' (5.7. Are HOSPITAL DISCHARGE data recorded for residents living close to this ICS?)

Please choose the appropriate response for each item:

	A. Availability of data			B. Smallest geographical level of available data				
	Yes	No	Don't know	Municipality	Provincial	Regional	National	Don't know
Population reference data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cause-specific reference rates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Section 5.3: Health Data (Other Health Occurrences)

[]5.13. Are any of the following specific diseases registries covering residents in the ICS area available?

Check all that apply

Please choose **all** that apply:

- ☐ Cancer registries
- ☐ Congenital anomalies registry
- ☐ Don't know
- ☐ Others (Please, specify below)

[]5.13.a. Please, specify the others registries and the staring year and the last year of this registries recording.

Only answer this question if the following conditions are met:

Answer was at question '49 [S5m]' (5.13. Are any of the following specific diseases registries covering residents in the ICS area available?)

Please write your answer(s) here:

Other Registry 1

Other Registry 2

Other Registry 3

[]5.14. If diseases registries are available in this ICS, please specify for them the starting year and last year of recording

Only answer this question if the following conditions are met:

Answer was 'Congenital anomalies registry' or 'Cancer registries' at question '49 [S5m]' (5.13. Are any of the following specific diseases registries covering residents in the ICS area available?)

	From	To
Cancer registries	<input type="text"/>	<input type="text"/>
Congenital anomalies registry	<input type="text"/>	<input type="text"/>

Section 6.1: Health Studies (Epidemiological Studies)

[]6.1. Are you aware of any **epidemiological (EP) study** conducted at this ICS?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]6.2. What epidemiological design(s) was/were mostly applied in the EP study or studies conducted in the ICS area?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '52 [S6a]' (6.1. Are you aware of any epidemiological (EP) study conducted at this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Geographical study
- ☐ Ecological study
- ☐ Time series
- ☐ Cross-sectional
- ☐ Cohort
- ☐ Case control
- ☐ Others (please, specify):

[]6.3. What health outcomes were selected in that epidemiological design(s)?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '52 [S6a]' (6.1. Are you aware of any epidemiological (EP) study conducted at this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Mortality
- ☐ Morbidity
- ☐ Cancer incidence
- ☐ Congenital anomalies
- ☐ Other (Please, specify below)

[]6.3.a. Please, specify the others outcomes.

Only answer this question if the following conditions are met:

Answer was at question '54 [S6c]' (6.3. What health outcomes were selected in that epidemiological

design(s)?)

Please write your answer(s) here:

Other Outcomes 1

Other Outcomes 2

Other Outcomes 3

[]6.4. What population subgroups were included in the epidemiological study or studies conducted at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '52 [S6a]' (6.1. Are you aware of any epidemiological (EP) study conducted at this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ General population
- ☐ Only adults
- ☐ Children
- ☐ Newborns
- ☐ Workers of any of the industrial facilities in the site
- ☐ None
- ☐ Others (please, specify):

[]6.5. What exposure indicators were used in that epidemiological study or studies?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '52 [S6a]' (6.1. Are you aware of any epidemiological (EP) study conducted at this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Residence in the ICS or municipality
- ☐ Distance of residence from the ICS
- ☐ Measures of contaminants in environmental media (water, soil, air, etc.)
- ☐ Estimates of contaminants based on emissions/environmental monitoring/modelling
- ☐ Personal exposure measurements (e.g. personal dosimeter for air pollutants)
- ☐ Human biomonitoring
- ☐ Other (Please, specify below)

[]6.5.a. Please, specify the others exposure indicators.

Only answer this question if the following conditions are met:

Answer was at question '57 [S6e]' (6.5. What exposure indicators were used in that epidemiological study or

studies?)

Please write your answer(s) here:

Other exposure indicator 1

Other exposure indicator 2

Other exposure indicator 3

Section 6.2: Health Studies (Health Risk Assessments)

[]6.6. Are you aware of any Health Risk Assessment (HRA) study carried out in this ICS?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't Know

[]6.7. What contaminant(s) from the following main categories were analysed in the HRA study performed at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '59 [S6f]' (6.6. Are you aware of any Health Risk Assessment (HRA) study carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Sulphur dioxide and other sulphur compounds.
- ☐ Oxides of nitrogen and other nitrogen compounds.
- ☐ Carbon monoxide
- ☐ Non-Metal Volatile organic compounds.
- ☐ Metals and their compounds (Pb, Cd, Hg).
- ☐ Persistent Organic Pollutants (POPs)
- ☐ Polycyclic aromatic hydrocarbons (PAH)
- ☐ Aromatic Hydrocarbons (BTEX)
- ☐ Asbestos (suspended particulates, fibres).
- ☐ Chlorine and its compounds.
- ☐ Fluorine and its compounds.
- ☐ Arsenic and its compounds
- ☐ Polychlorinated biphenols
- ☐ Hexachlorobenzane (HCB)
- ☐ Black carbon
- ☐ Particulate matter (PM10, PM2,5)
- ☐ Cyanides
- ☐ Biocides and plant health products
- ☐ Others (please, specify):

[]6.8. What health outcomes were included in the HRA conducted at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '59 [S6f]' (6.6. Are you aware of any Health Risk Assessment (HRA) study

carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Mortality
- ☐ Morbidity
- ☐ Cancer incidence
- ☐ Others (Please, specify below)

[] 6.8.a. Please, specify the others outcomes.

Only answer this question if the following conditions are met:

Answer was at question '61 [S6h]' (6.8. What health outcomes were included in the HRA conducted at this ICS?)

Please write your answer(s) here:

Other outcomes 1

Other outcomes 2

Other outcomes 3

[] 6.9. What population subgroup was included in the HRA study?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '59 [S6f]' (6.6. Are you aware of any Health Risk Assessment (HRA) study carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ General population
- ☐ Children
- ☐ Workers of any of the industrial facilities in the site
- ☐ None
- ☐ Others (please, specify):

[] 6.10. What exposure indicator(s) was/were adopted in the HRA conducted at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '59 [S6f]' (6.6. Are you aware of any Health Risk Assessment (HRA) study carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Measures of contaminants in the environmental media
- ☐ Estimated population exposure based on modelling

- ☐ Human biomonitoring
- ☐ Other (Please, specify below)

[]6.10.a. Please, specify the others exposure indicators.

Only answer this question if the following conditions are met:

Answer was at question '64 [S6j]' (6.10. What exposure indicator(s) was/were adopted in the HRA conducted at this ICS?)

Please write your answer(s) here:

Other exposure indicator 1

Other exposure indicator 2

Other exposure indicator 3

Section 6.3: Health Studies (Health Impact Assessments)

[]6.11. Are you aware of any Health Impact assessment (HIA) study carried out in this ICS?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't Know

[]6.12. What health outcomes were included in the HIA conducted at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '66 [S6k]' (6.11. Are you aware of any Health Impact assessment (HIA) study carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Attributable cases/attributable fraction
- ☐ Disability adjusted life years (DALYs)
- ☐ Years of potential life lost (YPLL)
- ☐ Others (please, specify):

[]6.13. What population subgroup was included in the HIA study conducted at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '66 [S6k]' (6.11. Are you aware of any Health Impact assessment (HIA) study carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ General population
- ☐ Only adults
- ☐ Children
- ☐ Workers of any of the industrial facilities in the site
- ☐ Others (please, specify):

[]6.14. What contaminant(s) from the following main categories were analysed in the HIA study performed at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '66 [S6k]' (6.11. Are you aware of any Health Impact assessment (HIA) study carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Sulphur dioxide and other sulphur compounds.
- ☐ Oxides of nitrogen and other nitrogen compounds.
- ☐ Carbon monoxide
- ☐ Non-Metal Volatile organic compounds.
- ☐ Metals and their compounds (Pb, Cd, Hg).
- ☐ Persistent Organic Pollutants (POPs)
- ☐ Polycyclic aromatic hydrocarbons (PAH)
- ☐ Aromatic Hydrocarbons (BTEX)
- ☐ Asbestos (suspended particulates, fibres).
- ☐ Chlorine and its compounds.
- ☐ Fluorine and its compounds.
- ☐ Arsenic and its compounds
- ☐ Polychlorinated biphenols
- ☐ Hexachlorobenzane (HCB)
- ☐ Black carbon
- ☐ Particulate matter (PM10, PM2,5)
- ☐ Cyanides
- ☐ Biocides and plant health products
- ☐ Others (please, specify):

[] 6.15. What exposure indicator(s) was/were adopted in the HIA conducted at this ICS?

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '66 [S6k]' (6.11. Are you aware of any Health Impact assessment (HIA) study carried out in this ICS?)

Check all that apply

Please choose **all** that apply:

- ☐ Measures of contaminants in the environmental media
- ☐ Estimated population exposure based on modelling
- ☐ Human biomonitoring
- ☐ Others (please, specify):

Section 7.1: Communication (Strategy)

[]7.1. Do you know if a communication campaign on risk due to the contamination in this ICS was ever performed?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]7.2. Did the communication strategy conducted at this ICS generate results available for local studies/assessments on health risk? Select the most appropriate answer according to your knowledge, indicating the type of data/information available, if that was the case

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '71 [S7a]' (7.1. Do you know if a communication campaign on risk due to the contamination in this ICS was ever performed?)

Check all that apply

Please choose **all** that apply:

- ☐ Don't know
- ☐ No results were made available
- ☐ Data available on environmental pollution
- ☐ Data available on population exposure
- ☐ Data available on population health risk
- ☐ Other

[]7.2.a. Please, specify other option.

Only answer this question if the following conditions are met:

Answer was at question '72 [S7b]' (7.2. Did the communication strategy conducted at this ICS generate results available for local studies/assessments on health risk? Select the most appropriate answer according to your knowledge, indicating the type of data/information available, if that was the case)

Please write your answer(s) here:

Other 1

Other 2

Other 3

[]7.3. Please, indicate which of the following options were available or used as part of the communication strategy

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '71 [S7a]' (7.1. Do you know if a communication campaign on risk due to the contamination in this ICS was ever performed?)

Please choose the appropriate response for each item:

	Yes	No	Don't know
A specific website/web link related to the case study	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leaflets or informative brochures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A research/assessment report on health risks made available to the public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]7.3.a. Please, report what OTHER options were available/used in the communication strategy that took place at your site

Please write your answer(s) here:

Tool 1

Tool 2

Tool 3

Section 7.2: Communication (Stakeholders involvement)

[]7.4.a. Are you aware if stakeholders were included in the communication strategy?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]7.4.b. Indicate which of the following groups of stakeholders were included in the communication strategy, and the frequency of that involvement

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '76 [S7d1]' (7.4.a. Are you aware if stakeholders were included in the communication strategy?)

Please choose the appropriate response for each item:

	Always	Sometimes	Never
Population living close to the ICS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public sector/administration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Voluntary Organizations (NGOs, environmental groups, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Private setor (e.g. trade union, industry organizations, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General public	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[]7.4.c. Report what OTHER GROUP(S) of stakeholders was/were involved in the communication strategy conducted at this ICS

Only answer this question if the following conditions are met:

Answer was 'Always' or 'Sometimes' at question '77 [S7d2]' (7.4.b. Indicate which of the following groups of stakeholders were included in the communication strategy, and the frequency of that involvement (Others))

Please write your answer(s) here:

Group of stakeholder 1

Group of stakeholder 2

Group of stakeholder 3

Section 7.3: Communication (Media Involvement)

[]7.5. Indicate the most appropriate answer for the following statements

Please choose the appropriate response for each item:

	Always	Sometimes	Never	Don't know
Results on health risk provided by the media were incorporated in the communication strategy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The media picked up the results of the research/assessment conducted at the ICS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The media amplified or reframed the results of the research/assessment conducted at the ICS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Section 7.4: Communication (Risk Perception)

[]7.6. Which level of understanding do you consider that the following subgroups could have on the uncertainties of the health risk reseach/assessment conducted at the ICS?

Please choose the appropriate response for each item:

	Fearly good	Medium	Poor	None	Don't know
Affected population	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Section 7.5: Communication (Actions)

[]7.7.a. Did the communication strategy include recommendations for actions?

Choose one of the following answers

Please choose **only one** of the following:

- ☐ Yes
- ☐ No
- ☐ Don't know

[]7.7.b. Please, summarise using short messages the main recommendations for actions included in the communication strategy

Only answer this question if the following conditions are met:

Answer was 'Yes' at question '81 [S7g1]' (7.7.a. Did the communication strategy include recommendations for actions?)

Please write your answer(s) here:

Action 1

Action 2

Action 3

Action 4

Section 8: References

[]8.1. Provide information of any report or article you have used to compile the questionnaire. Please, use the following format: authors, title, journal, year, pages, link to a website (if available), and language

Please write your answer(s) here:

Document 1

Document 2

Document 3

Document 4

Document 5

[]8.2. Provide information of any survey or data inventory (e.g. contaminants, health data, media website) you have used to compile the questionnaire. Please, use the following format: authors/agency, title of data inventory, year, link to a website (if available), and language

Please write your answer(s) here:

Document 1

Document 2

Document 3

Document 4

Document 5

Thank you very much for taking time to fill out the questionnaire.

02/07/2018 – 00:00

Submit your survey.

Thank you for completing this survey.