**Annex 6. Rapid health assessment: key informant interview (KII) questionnaires**

**Government official**

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| **A. KII information** |
| A1 | Date of the KII: |
| A2 | Place of the KII: |
| A3 | Type of KII: |
| A4 | Interviewee position and function: |
| A5 | Start time: |
| A6 | Interviewer name: |
| **B. Basic information** |
| B1 | How long have you been working in this function or position? |
| B2 | Do you know since when ASGM has been practised in this country, district or region? |
| B3 | What are the ASGM activities in this country, district or region you are aware of (e.g. locations, type of mining)? |
| **C. Awareness** |
| C1 | What are the environmental impacts that ASGM has on your local communities? |
| C2 | What are the social impacts that ASGM has on your local communities? |
| C3 | What are the economic impacts that ASGM has on your local communities? |
| C4 | What are the health impacts that ASGM has on your local communities? |
| **D. Health system capacity and readiness** |
| D1 | In your opinion, is the health system in its current state capable and ready to respond to ASGM-related health issues? |
| D2 | In your opinion, do you feel that health care providers working in the local health facility or facilities are familiar with and sufficiently trained to respond to ASGM-related health issues? |
| If not, why not? |
| If not, what should be done to improve the situation? |
| D3 | In your opinion, do you think local health facilities are sufficiently equipped to respond to ASGM-related health issues? |
| *Probe for chelators for mercury, antidotes for cyanide, surgery, ambulance, etc.* |
| D4 | Where are the most urgent needs to improve health system capacity and readiness to respond to ASGM-related health issues? |
| Who is responsible for taking steps for improvement? |
| D5 | What could artisanal and small-scale gold miners and community members do themselves to improve the situation regarding ASGM-related health issues? |
| **E. Political level** |
| E1 | In terms of health issues related to ASGM, what has been done in the past, what is currently being done and what is planned to be done in the future at the national or subnational level to address ASGM-related health issues?  |
| What is being done in your district or region in particular? |
| E2 | In your opinion, which sectors have to work together in order to address ASGM-related health issues? |
| Is this intersectoral collaboration currently happening? |
| If yes, how is it being done and who are the players? |
| If not, why not? |
| E3 | Do you think ASGM and associated issues, including mercury use, are addressed with sufficient collaboration among public, private and civil society bodies?  |
| And among relevant ministries (e.g. ministry of mining, economy, environment, health, social welfare)? |
| **F. End of the interview** |
| F1 | Do you have any questions you want to ask me? |
| F2 | Thank you for your participation. |
| F3 | End time of the interview: |
| **G. Observations by the interviewer** |
| G1 | Other observations or notes from the interviewer: |

**Environmental (health) authority official**

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| **A. KII information** |
| A1 | Date of the KII: |
| A2 | Type of KII: |
| A3 | Location and name of facility: |
| A4 | Interviewee exact position and function: |
| A5 | Start time: |
| A6 | Interviewer name: |
| **B. Basic information** |
| B1 | How long have you been working in this district or region? |
| B2 | Do you know since when ASGM has been practised in this district or region? |
| B3 | What are the ASGM activities in this district or region you are aware of? |
| **C. Environmental issues** |
| C1 | What are the environmental impacts that ASGM has on your local communities? |
| C2 | In this setting, what are the different environmental pollution pathways of ASGM (i.e. source–pathway–polluted environment)? |
| *Probe for mercury and cyanide exposure if not mentioned spontaneously.*  |
| C3 | In this setting, what are the different direct and indirect routes of exposure of different community groups, including miners, other community members and children? |
| C4 | Do you feel that local communities understand the concept of environmental pollution of mercury used in ASGM? |
| **D. Socioeconomic issues** |
| D1 | What are the social impacts that ASGM has on your local communities? |
| D2 | What are the economic impacts that ASGM has on your local communities? |
| **E. Health issues** |
| E1 | What are the health impacts that ASGM has on your local communities? |
| What environmental, social and economic changes have resulted from ASGM activities? |
| *Including health risks! Probe for mercury and cyanide exposure if not mentioned spontaneously.* |
| E2 | In your opinion, what are the biggest health risks for the general population or community? |
| E3 | In your opinion, which are the neglected, marginalized or stigmatized groups in the community, especially in terms of health and access to health care? |
| *Probe for artisanal and small-scale gold miners if not mentioned.* |
| E4 | In your opinion, do artisanal and small-scale gold miners always seek medical care or treatment when it would be indicated? |
| If not, why not? What are the factors that determine whether they seek medical care or treatment or not? |
| If not, what else do they do? |
| E5 | Do you feel that artisanal and small-scale gold miners understand the health consequences of environmental pollution from mercury used in ASGM? |
| If not, why not? |
| E6 | Do you feel that local communities understand the health consequences of environmental pollution from mercury used in ASGM? |
| If not, why not? |
| E7 | Do you feel that local health care providers understand the health consequences of environmental pollution from mercury used in ASGM? |
| If not, why not? |
| E8 | Where would you see an urgent need for action to address artisanal and small-scale gold miners’ health and the health of the broader community? |
| **F. Public system capacity and readiness** |
| F1 | In your opinion, is the health system in its current state capable and ready to respond to ASGM-related health issues? |
| F2 | What could miners and community members do themselves to improve the situation regarding ASGM-related health issues? |
| F3 | In terms of health issues related to ASGM, what has been done in the past, what is currently being done and what is planned to be done in the future at the national or subnational level to address ASGM-related health issues?  |
| What is being done in your district or region in particular? |
| F4 | In your opinion, which sectors have to work together in order to address ASGM-related health issues? |
| Is this intersectoral collaboration currently happening? |
| If yes, how is it being done and who are the players? |
| If not, why not? |
| F5 | In the *[state the ministry or department the interviewee is working for]*, which environmental health issues (related to ASGM) are specifically addressed and how? |
| **G. End of the interview** |
| G1 | Do you have any questions you want to ask me? |
| G2 | Thank you for your participation. |
| G3 | End time of the interview: |
| **H. Observations by the interviewer** |
| H1 | Other observations or notes from the interviewer: |

**Health authority official**

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| **A. KII information** |
| A1 | Date of the KII: |
| A2 | Type of KII: |
| A3 | Location of interview: |
| A4 | Interviewee exact position and function: |
| A5 | Start time: |
| A6 | Interviewer name: |
| **B. Basic information** |
| B1 | How long have you been working in this district or region? |
| B2 | Do you know since when ASGM has been practised in this district or region? |
| B3 | What are the ASGM activities in this district or region you are aware of? |
| **C. Awareness** |
| C1 | What are the environmental impacts that ASGM has on your local communities? |
| C2 | What are the social impacts that ASGM has on your local communities? |
| C3 | What are the economic impacts that ASGM has on your local communities? |
| C4 | What are the health impacts that ASGM has on your local communities? |
| What environmental, social and economic changes have resulted from ASGM activities? |
| *Including health risks! Probe for mercury and cyanide exposure if not mentioned spontaneously.* |
| C5 | In your opinion, what are the biggest health risks for the general population or community? |
| C6 | In your opinion, which are the neglected, marginalized or stigmatized groups in the community, especially in terms of health and access to health care? |
| *Probe for artisanal and small-scale gold miners if not mentioned.* |
| C7 | In your opinion, do artisanal and small-scale gold miners always seek medical care or treatment when it would be indicated?  |
| If not, why not? What are the factors that determine whether they seek medical care or treatment or not?  |
| If not, what else do they do? |
| **D. Health system capacity and readiness** |
| D1 | In your opinion, is the health system in its current state capable and ready to respond to ASGM-related health issues? |
| D2 | In your opinion, are the health care providers working in the local health facility or facilities familiar with and sufficiently trained to respond to ASGM-related health issues? |
| If not, why not? |
| If not, what should be done to improve the situation? |
| D3 | In your opinion, are local health facilities sufficiently equipped to respond to ASGM-related health issues (for example, antidotes for mercury or cyanide, surgery, ambulance)? |
| *Probe for: chelators for mercury, antidotes for cyanide, surgery, ambulance, etc.* |
| D4 | Where are the most urgent needs to improve health system capacity and readiness to respond to ASGM-related health issues? |
| Who is responsible for taking steps for improvement? |
| What political commitment is needed from which body? |
| D5 | What could the miners and community members do themselves to improve the situation regarding ASGM-related health issues? |
| D6 | In terms of health issues related to ASGM, what has been done in the past, what is currently being done and what is planned to be done in the future at the national or subnational level to address ASGM-related health issues?  |
| What is being done in your district or region in particular? |
| D7 | In your opinion, which sectors have to work together in order to address ASGM-related health issues? |
| Is this intersectoral collaboration currently happening? |
| If yes, how is it being done and who are the players? |
| If not, why not? |
| **E. End of the interview** |
| E1 | Do you have any questions you want to ask me? |
| E2 | Thank you for your participation. |
| E3 | End time of the interview: |
| **F. Observations by the interviewer** |
| F1 | Other observations or notes from the interviewer: |

**Health care provider at local level**

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| **A. KII information** |
| A1 | Date of the KII: |
| A2 | Type of KII: |
| A3 | Location and name of facility: |
| A4 | Start time: |
| A5 | Interviewer name: |
| **B. Basic information** |
| B1 | How long have you been working in this community or facility? |
| B2 | Do you know since when ASGM has been practised in this community? |
| B3 | What are the ASGM activities in this district you are aware of? |
| B4 | In your health facility, do you ask for, report or record the occupational backgrounds or accident history of your patients? In other words, would you know whether a patient is a miner or not?  |
| If yes, do you record it anywhere? |
| **C. General health issues** |
| C1 | What are the most common diseases or conditions in the communities of the district or region?  |
| In children? |
| In women? |
| In adults? |
| C2 | What are the most common accidents and injuries in the communities of the district or region?  |
| C3 | In your opinion, which are the neglected, marginalized or stigmatized groups in the community, especially in terms of health and access to health care? |
| *Probe for artisanal and small-scale gold miners if not mentioned.* |
| **D. Awareness of socioeconomic issues related to ASGM** |
| D1 | What are the environmental impacts that ASGM has on your local communities? |
| D2 | What are the social impacts that ASGM has on your local communities? |
| D3 | What are the economic impacts that ASGM has on your local communities? |
| **E. Awareness of health issues related to ASGM** |
| E1 | What are the health impacts that ASGM has on your local communities? |
| What environmental, social and economic changes have resulted from ASGM activities? |
| *Including health risks! Probe for mercury and cyanide exposure if not mentioned spontaneously.* |
| E2 | In your opinion, what are the biggest health risks for the general population or community? |
| E3 | In your opinion, what are the health risks for artisanal and small-scale gold miners in particular? |
| E4 | In your opinion, do artisanal and small-scale gold miners always seek medical care or treatment when it would be indicated? |
| If not, why not? What are the factors that determine whether they seek medical care or treatment or not? |
| If not, what else do they do? |
| E5 | According to your knowledge, do artisanal and small-scale gold miners protect themselves against these health risks? |
| If yes, how do they protect themselves? |
| If not, why do they not protect themselves? |
| **F. Health promotion information** |
| F1 | Who is providing the health prevention information: |
| For the general population or community? |
| For the ASGM communities in particular? |
| F2 | Where is the health promotion information given (e.g. through the media, at the facility, from peers or leaders)? |
| F3 | In what form is the health promotion information given (e.g. radio messages, mass campaigns, leaflets, brochures)? |
| F4 | On which topics is the health promotion information given? |
| **G. Health system and institutional support** |
| G1 | Where would you see an urgent need for action to address artisanal and small-scale gold miners’ health and the health of the broader community? |
| G2 | What could the miners and community members do themselves to improve the situation regarding ASGM-related health issues? |
| **H. Health facility assessment: capacity and readiness**  |
| H1 | Do you feel that you or others working at this health facility are familiar with and sufficiently trained to respond to ASGM-related health issues? |
| H2 | Do you think your facility is sufficiently equipped to respond to ASGM-related health issues?  |
| H3 | *Continue with separate health facility assessment tool.* |
| **I. End of the interview and health facility assessment** |
| I1 | Do you have any questions you want to ask me? |
| I2 | Thank you for your participation. |
| I3 | End time of the interview: |
| **J. Observations by the interviewer** |
| J1 | Other observations or notes from the interviewer: |

**Traditional community leader**

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| **A. KII information** |
| A1 | Date of the KII: |
| A2 | Type of KII: |
| A3 | Community, village, area or site: |
| A4 | Interviewee code: |
| A5 | Additional information on the position and function of the interviewee: |
| A6 | Start time: |
| A7 | Interviewer name: |
| **B. Basic information** |
| B1 | Since when have you lived in this community, village, area or site? |
| B2 | Do you know since when ASGM has been practised in this community, village, area or site? |
| B3 | What are the environmental impacts that ASGM has on your community? |
| B4 | What are the social impacts that ASGM has on your community? |
| B5 | What are the economic impacts that ASGM has on your community? |
| B6 | For how many (out of how many) households in your community is ASGM the primary source of income? |
| How many households in total? |
| How many in ASGM? |
| **C. Health system issues and health-seeking behaviour** |
| C1 | In your opinion, what are currently the most common health problems in your community? |
| All ages |
| Men vs. women |
| Children vs. young adults vs. older adults  |
| Artisanal and small-scale miners |
| C2 | In the case of these health problems, do the community members seek medical care or treatment? |
| If not, why not? |
| If yes, where? Why do the community members go there? |
| C3 | Do the community members face obstacles or barriers in accessing health care services for these health problems? |
| If yes, what kind of obstacles and why? |
| C4 | If they go to the health facility, are they getting the health care services that they need for these health problems? |
| If not, why not? |
| C5 | What are the most common accidents and injuries in your community? |
| C6 | In your opinion, what is currently the biggest health risk to ASGM community memberswho live in ASGM areas but are not directly involved in mining activities? |
| *Possible answers:* |
| Malaria |
| Living conditions |
| Mental disorders |
| Substance abuse |
| Dust |
| Noise |
| Malnutrition |
| Vibration |
| Heat and humidity |
| Fatigue |
| Sexually transmitted diseases  |
| None |
| Getting ill due to contact with chemicals |
| Biomechanical problems |
| Other, specify: |
| C7 | In your opinion, what are the biggest risks to the health of artisanal and small-scale gold miners while they are working?  |
| *Possible answers:* |
| Falling into a hole |
| Getting buried underground |
| Getting malaria  |
| Exhaustion |
| Dust  |
| Noise |
| Malnutrition  |
| Vibration |
| Heat and humidity |
| Radiation |
| Low oxygen levels |
| Fatigue |
| Explosives |
| None |
| Getting ill due to contact with chemicals |
| Other, specify: |
| C8 | In your opinion, which are the neglected, marginalized or stigmatized groups in the community, especially in terms of health and access to health care? |
| C9 | What could the miners and community members do themselves to improve the situation regarding ASGM-related health issues? |
| **D. End of the interview** |
| D1 | Do you have any questions you want to ask me? |
| D2 | Thank you for your participation. |
| D3 | End time of the interview: |
| **E. Observations by the interviewer** |
| E1 | Other observations or notes from the interviewer: |

**ASGM community leader**

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| **A. KII information** |
| A1 | Date of the KII: |
| A2 | Type of KII: |
| A3 | Community, village, area or site: |
| A4 | Interviewee code: |
| A5 | Additional information on the position and function of the interviewee: |
| How many people work for the interviewee? |
| Where does the interviewee sell? |
| Does the interviewee buy mercury? Where? |
| A6 | Start time: |
| A7 | Interviewer name: |
| **B. Basic information** |
| B1 | Since when have you lived and worked in this community, village, area or site? |
| B2 | Do you know since when ASGM has been practised in this community, village, area or site? |
| B3 | What are the environmental impacts that ASGM has on your community? |
| B4 | What are the social impacts that ASGM has on your community? |
| B5 | What are the economic impacts that ASGM has on your community? |
| **C. Health system issues and health-seeking behaviour** |
| C1 | In your opinion, what are currently the most common health problems in your community? |
| All ages |
| Men vs. women |
| Children vs. young adults vs. older adults |
| Artisanal and small-scale gold miners |
| C2 | In the case of these health problems, do the community members seek medical care or treatment? |
| If yes, where? |
| Why do the community members go there? |
| C3 | Do the community members face obstacles or barriers in accessing health care services for these health problems? |
| If yes, what kind of obstacles and why? |
| C4 | If they go to the health facility, are they getting the health care services that they need for these health problems? |
| If not, why not? |
| C5 | What are the most common accidents and injuries in your community? |
| C6 | In your opinion, what are the biggest risks to the health of artisanal and small-scale gold miners while they are working?  |
| *Possible answers:* |
| Falling into a hole |
| Getting buried underground |
| Getting malaria |
| Exhaustion |
| Dust  |
| Noise |
| Malnutrition |
| Vibration |
| Heat and humidity |
| Radiation |
| Low oxygen levels |
| Fatigue |
| Explosives |
| None |
| Getting ill due to contact with chemicals |
| Other, specify: |
| C7 | In your opinion, what is currently the biggest health risk to community members not directly involved in mining who live in ASGM areas but are not directly involved in mining activities? |
| *Possible answers:* |
| Malaria |
| Living conditions |
| Mental disorders |
| Substance abuse |
| Dust |
| Noise |
| Malnutrition |
| Vibration |
| Heat and humidity |
| Fatigue |
| Sexually transmitted diseases |
| None |
| Getting ill due to contact with chemicals |
| Biomechanical problems |
| Other, specify: |
| C8 | In your opinion, which are the neglected, marginalized or stigmatized groups in the community, especially in terms of health and access to health care? |
| C9 | What could the artisanal and small-scale gold miners and community members do themselves to improve the situation regarding ASGM-related health issues? |
| **D. End of the interview** |
| D1 | Do you have any questions you want to ask me? |
| D2 | Thank you for your participation. |
| D3 | End time of the interview: |
| **E. Observations by the interviewer** |
| E1 | Other observations or notes from the interviewer: |

**Civil society organization representative**

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| **A. KII information** |
| A1 | Location and date of the KII: |
| A2 | Type of KII: |
| A3 | Interviewee code: |
| A4 | Interviewee position and function: |
| A5 | Start time: |
| A6 | Interviewer name: |
| **B. Basic information** |
| B1 | How long have you been working in this district or region? |
| B2 | Since when has your organization been active in this district or region? |
| B3 | Do you know since when ASGM has been practised in this district or region? |
| B4 | What are the ASGM activities in this district or region you are aware of? |
| **C. Awareness** |
| C1 | What are the environmental impacts that ASGM has on your local communities? |
| C2 | What are the social impacts that ASGM has on your local communities? |
| C3 | What are the economic impacts that ASGM has on your local communities? |
| C4 | In your opinion, what are the biggest health risks for the general population or community? |
| *Probe for mercury and cyanide exposure if not mentioned spontaneously.* |
| Is mercury exposure also a problem for those not directly using it? |
| C5 | In your opinion, which are the neglected, marginalized or stigmatized groups in the community, especially in terms of health and access to health care? |
| *Probe for artisanal and small-scale gold miners if not mentioned.* |
| **D. Health system capacity** |
| D1 | In your opinion, is the health system in its current state capable and ready to respond to ASGM-related health issues? |
| D2 | What could the artisanal and small-scale gold miners and community members do themselves to improve the situation regarding ASGM-related health issues? |
| D3 | In your opinion, which sectors, organizations and bodies have to work together in order to address ASGM-related health issues? |
| Is this intersectoral collaboration currently happening? |
| If yes, how and who are the players? |
| If not, why not? |
| **E. Organizational activities** |
| E1 | In terms of health issues related to ASGM, what has your organization done in the past, what is currently being done, and what is planned to be done in the future (e.g. what topics, frequency, partners, target groups or planned impact)? |
| E2 | Have you specifically addressed the use of mercury? |
| **F. End of the interview** |
| F1 | Do you have any questions you want to ask me? |
| F2 | Thank you for your participation. |
| F3 | End time of the interview: |
| **G. Observations by the interviewer** |
| G1 | Other observations or notes from the interviewer: |