

Guidance for selection of activities														
N°	Title of the activity	Short description of the activity	State of play initial situation	Expected outcomes from the activity – landing situation	key milestones of the activity	Links with national priorities /plans (including NAPs, and obligations toward Barcelona Conventions)/strategies - How the activity is contributing to the existing national plans and obligations	Links with the project – how the activity contributes to the expected Results of SEIS II (R1, R2, R3, R4)	Links with H2020 Programme of work 2015-2020 - how this activity contributes to achieving the H2020 objectives (as specified in the H2020 work plan table)	SEIS pillars- to which SEIS pillar the activity contribute	Responsible entities for the implementation of the activity	Period of implementation	Resources for implementation -internal, internal with ENIS support, internal with other external project support, external fully covered by	Links with other activities of the plan – indicate here if this activity is linked/dependent from the execution/ development of another activity (e.g. a Capacity building activity	Sustainability
<b>Hazardous Waste</b>														
1	establishment of Information system for hazardous waste	establishment of database which will allow the systematic collection of data and information and will facilitate the reporting and preparation of assessments reports	There is no database for the hazardous waste	Exchange of experience with other countries who have established and developed an information system for hazardous waste.  Develop an online application to be used by industries to report amounts of hazardous waste generated.	Analysis of the current situation related to requirements and existing data flows in the waste sector.  Analysis of the legal basis for the required data flow design of the future information system.	Sustainable Development Strategy: Egypt's Vision 2030 Environment Pillar, 2nd Strategic objective.	R2: The in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised. R4: Indicator-based H2020 report(s) and assessments are produced in line with good practices from the EU region.	1. Allowing for systemic production of indicator-based reporting and sharing of data. 2. Ensure the sustainability of the governance setup of the H2020 review processes. 3. Encourage the integration of outcome of the H2020 review in the policy making process at regional and national level.	Content and interinstitutional cooperation	WMRA, CAPMAS, governorates and other concerned ministries	September 2017- December 2017	National assistant to ensure coordination and communication among the different stakeholders and ensure to use of synergies with other activities and initiatives.	this activity is mainly the first to be implemented as the following activities depend on it.	law 4 for 1994 for environmental protection and its modifications and its executive regulations. The international conventions and protocols related to hazardous waste.
2	Identification and development of hazardous waste indicators (calculation methodology)	There is a need for assessments reports based on data and indicators. This workshop will provide the knowledge of how to define and select meaningful indicators as well as the methodologies to calculate them following EU and other international standards.	the current calculation methodology depend on an outdated estimation method.	Exchange of experience with the European Environment Agency and the EIONET-Network	Identification and selection of indicators. Analysis of the existing data sets to populate the indicators. Training on methodology of calculation of the indicators. Analysis of data gaps and putting in place procedures for data collection to populate the selected indicators.	Sustainable Development Strategy: Egypt's Vision 2030 Environment Pillar, 2nd Strategic objective.	R1: The H2020 indicator set is stabilised, refined and complemented. R2: the in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised	enhance the capacities of WMRA, CAPMAS, governorates and other concerned ministries in the establishment of regular data flows for the production of hazardous waste indicators and the contribution to a regular indicator based assessment	Content and interinstitutional cooperation	WMRA, CAPMAS, governorates and other concerned ministries	March 2018-June 2018	National assistant to ensure the continuous monitoring and coordination between concerned ministries and authorities.	this activity is linked to the ongoing preparation of the state of the environment annual report.	law 4 for 1994 for environmental protection and its modifications and its executive regulations. The international conventions and protocols related to hazardous waste.
3	support the preparation of the Hazardous waste chapter of the state of environment report.	Egypt issues state of environment report annually. There is a need for technical assistant to prepare the SoER in line with international standards.	MOE, by law, is responsible for publishing the State of environment report annually.	training on preparation of SoER Hazardous waste chapter using international standards and methodologies.	review of the hazardous waste chapter in the previous SoERs. Identify the strengths and shortcomings (conduct a SWOT analysis). present and train the WMRA/EAAA staff on the methodology on how to prepare a waste chapter in line with international standards	Sustainable Development Strategy: Egypt's Vision 2030 Environment Pillar, 2nd Strategic objective.	R2: The in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised	enhance the capacities of WMRA/EAAA and relevant stakeholders in preparing of SoER according to international standards	Content and interinstitutional cooperation	WMRA and EAAA	July 2018- September 2018	National assistant to ensure the continuous monitoring collecting and analysis of Hazardous waste data with coordination between concerned ministries and authorities.	This activity is linked to the ongoing preparation of the state of the environment report and to the technical support given by CEDARE. The work already being done with CEDARE is aimed to develop the methodology of the preparation of the report as a whole with an on the job training for a small number of participant. This technical assistant is planned to cover more number of participant with focusing in the hazardous	law 4 for 1994 for environmental protection and its modifications and its executive regulations. The international conventions and protocols related to hazardous waste.
<b>Solid Waste</b>														
4	conduct a study visit to an EU member country for sanitary landfills and recycling factories	this activity will give the opportunity to have site visits to the sanitary landfills and recycling factories for exchange of experiences	Egypt didn't have any sanitary landfills only dumped landfills. Egypt also have some recycling factories.	Exchange knowledge with an other country	conduct a country visit for at least 4 participants.	Urgent national plan for solid waste management in the 28th Egyptian governorates.	R1: The H2020 indicator set is stabilised, refined and complemented. R2: the in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised		content	WMRA, EAAA and other concerned ministries.	July 2018- September 2018	National assistant through coordination at the national level	this is linked to building capacity	law 4 for 1994 for environmental protection and its modifications and its executive regulations. Sustainable Development Strategy: Egypt's Vision 2030, Environment Pillar, 2nd Strategic objective.
5	Identification and development of solid waste indicators (calculation methodology)	there is a need for assessments reports based on data and indicators. This workshop will provide the knowledge of how to define and select meaningful indicators as well as the methodologies to calculate indicators in line with international standards	the current calculation methodology needs to update.	Exchange of experience with the European Environment Agency and the EIONET-Network	Identification and selection of indicators Analysis of the existing data sets to populate the indicators Training on methodology of calculation of the indicators Analysis of data gaps and putting in place procedures for data collection to populate the selected indicators .	Urgent national plan for solid waste management in the 28th Egyptian governorates.	R1: The H2020 indicator set is stabilised, refined and complemented. R2: the in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised	enhance the capacities of WMRA/EAAA, CAPMAS, governorates and other concerned ministries and authorities in the establishment of regular data flows for the production of solid waste indicators and the contribution to a regular indicator based assessment	content and interinstitutional cooperation	WMRA/EAAA, CAPMAS governorates and other concerned ministries.	September 2018- December 2018	National assistant who will ensure the continuous monitoring and coordination. Need for support for solid waste expert support	Please provide the information building capacity	law 4 for 1994 for environmental protection and its modifications and its executive regulations. Sustainable Development Strategy: Egypt's Vision 2030, Environment Pillar, 2nd Strategic objective.

6	support the preparation of the solid waste chapter of the state of environment report.	Egypt issues state of environment report annually. There is a need for technical assistant to prepare the SoER in line with international standards.	MOE, by law, is responsible for publishing the State of environment report annually.	training on preparation of SoER solid waste chapter using international standards and methodologies.	review of the solid waste chapter in the previous SoERs. Identify the strengths and shortcomings (conduct a SWOT analysis). present and train the WWIRA/EAAA staff on the methodology on how to prepare a waste chapter in line with international standards	Urgent national plan for solid waste management in the 28th Egyptian governrates.	R2: The in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised	enhance the capacities of WWIRA/EAAA and relevant stakeholders in preparing of SoER according to international standards	Content and interinstitutional cooperation	WRMA and EAAAA	July 2018- September 2018	National assistant to ensure the continuous monitoring collecting and analysis of solid waste data with coordination between concerned ministries and authorities.	This activity is linked to the ongoing preparation of the state of the environment report and to the technical support given by CEDARE. The work already being done with CEDARE is aimed to develop the methodology of the preparation of the report as a whole with an on the job training for a small number of participant. This technical assistant is planned to cover more number of participant with focussing in the solid waste reporting.	law 4 for 1994 for environmental protection and its modifications and its executive regulations. Sustainable Development Strategy: Egypt's Vision 2030, Environment Pillar, 2nd Strategic objective.
7	Assessment and update of the existing solid waste management data base	update and assessment for the existing database. This activity will allow quality control and assurance for the data and information to comply with the current needs and requirements.	An old database since 2006.	conduct an assessment of the existing solid waste database. Provide recommendation and technical assistant for improvement.	assess the information required by authorities in the waste management sector for the elaboration of waste management plans, evaluating performance and the required information for the drafting of waste chapter of SoE Report assess the existing data flows and identify data gaps. assess the design and concept of existing database and provide recommendation for improvement	Urgent national plan for solid waste management in the 28th Egyptian governrates.	R2: The in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised. R4: Indicator-based H2020 report(s) and assessments are produced in line with good practices from the EU region.	1. To enhance optimal national information systems allowing for systemic production of indicator-based reporting and sharing of data. 2. To encourage the integration of outcome of the H2020 review in the policy making process at regional and national level.	content	WRMA/EAAA, CAPMAS governrates and other concerned ministries.	July 2018- September 2018	National assistant to ensure the continuous monitoring collecting and analysis of solid waste data with coordination between concerned ministries and authorities.	this activity is the basic one that is mainly linked with all the previous activities	law 4 for 1994 for environmental protection and its modifications and its executive regulations. Sustainable Development Strategy: Egypt's Vision 2030, Environment Pillar, 2nd Strategic objective.

Coastal Water														
8	Tech support in order to enable the central lab of EEAA to have international certificate like ISO.	central lab of eeaa need to be accredited for help in improve Efficiency, reduce Waste and Achieve International Quality Recognition	good situation for the local level, as it have most of instruments needed for accreditation, only technical support is needed. Once this activity was implemented, the lab results can be trusted and more help in environmental situation assessment	improvement of the test results inside the laboratory to: Preventing pollution. Meeting applicable legal and other requirements. Continually enhancing its environmental management in order to achieve improvements in environmental performance.	update EEAA central laboratory with accreditation analytical systems. Raise the efficacy for the employees at central lab.	it will help in initiate a highly performance lab needs to NAPs pollution and obligation toward barcelona convention	this activity highly contributed with SEIS II (R1, R2, R3, R4) because of its realtion with the quality of the data.	To enhance optimal national information systems allowing for systemic production of indicator-based reporting and sharing of data. To ensure the sustainability of the H2020 review processes. 3. To encourage the integration of outcome of the H2020 review in the policy making process at regional and national level	Content and interinstitutional cooperation	EGAC and EEAA	ONE year	internal with ENIS support: National assistant to ensure coordination and communication among the different stakeholders in addition to the support to be provided by an expert (EU; international)	Linked to Decentralized Water Management and Growth under H2020 component according to work plan of SWIM-H2020: implementation of management plans at sub-national level and the role/importance of Information Management in Water Resources Planning and Management at the local level	Law 4/1994 amended by Law 9/2009) for environmental protection and its modifications and its executive regulations. Barcelona Convention.
9	Building capacity on water quality and analyze including quality control and quality assurance reference to international standards.	there is a need for assessments to the monitoring data reports produced from partner institutions based on scientific way. This activity will provide the knowledge of data correction as well as the methodologies to calculate them following EU and international standards	Absence of data policy Deficiency of financial resources for proper data management and capacity building	gain knowledge of water quality indicators and quality control and quality assurance in reference to international standard	Identification and selection of indicators Analysis of the existing data sets to populate the indicators Training on methodology of calculation of the indicators Analysis of data gaps and putting in place procedures for data collection to populate the selected indicators	this activity will enhance the efficacy of data reporting needed to support NAPs pollution updated and obligations toward Barcelona convention	R1 :H2020 indicators is established, R2: data sharing is manged, R3: The infrastructure report offered by EEA & UNEP MAPare wily used, R4: indicators for H2020 reports are produced	enhance the capacities of EEAA and CAPMAS in the establishment of regular data flows for the production of water quality indicators and the contribution to a regular indicator based assessment	Content and interinstitutional cooperation	MWRI, CAPMAS and EEAA agencies nd ministries	September 2017- December 2017	Internal and with external support from ENIS SEIS II support for funding	Linked to Capacity building and Monitoring activity under H2020 component "water" according to work plan of SWIM-H2020 : IWRM at the river basin scale, with a focus on capacity building and implementation aspects:	Law 4/1994 amended by Law 9/2009) for environmental protection and its modifications and its executive regulations. Barcelona Convention.
<b>Monitoring Program in the Framework of Art 8 of the LBS Protocol</b>														
10	Needs of the relevant laboratories for monitoring (light analysis equipment, chemicals, sampling equipment, spare parts, consumables and supplies).	too little equipments will result in shortages in monitoring process and our facilities will be unable to provide effective. There is a need for financial support to elaborate our monitoring program in line with IMAP and international standards	Deficiency of financial resources for proper monitorin equpment in line with IMAP indicators. Upgrade our national relevant laboratories for monitoring program will facilitate smpling process and save time with high data accuracy	enhancing Work Procedures + Policy on Environmental monitoring and data collection	improve elaboration of Work Procedures + Policy identify the strengths and shortcomings	Data flows will contribute to NAPs analysis for land base sources pollution by enhancing monitoring and data collecting as well as obligation to Barcelona convention	R1 :H2020 indicators is established, R2: data sharing is manged, R3: The infrastructure report offered by EEA & UNEP MAPare wily used, R4: indicators for H2020 reports are produced	A core set of environmental indicators produced from the monitoring program will contribute to H2020 Review and Monitoring objectives : objective 1 and 2	Content and interinstitutional cooperation	NOIF, IGSR and EEAA agencies and ministries	3 months	internal and with external support from ENIS SEIS II support for funding	Linked to Decentralized Water Management and Growth activity under H2020 component according to work plan of SWIM-H2020 "implementation of management plans at sub-national level and the role/importance of Information Management in Water Resources Planning and Management at the local level"	Law 4/1994 amended by Law 9/2009) for environmental protection and its modifications and its executive regulations. Barcelona Convention.
11	Report on water classification to assess eutrophication.	Water issue is considered as one of the most important subjects to be negotiated for in the recent years due to the limited water and resources as well as water pollution. One of the important indicators for pollution is the eutrophication status indicators which need to discussion via good report formating	Insufficient expertise and knowledge on policy making, environmental monitoring data reporting/formatting	enhance capacity building in Technical and Administrative for water quality reports. training on the methodology of drafting water quality chapters using key words and key questions.	Coordinate intercalibration exercise and report the results Develop further guidance on harmonised assessment of eutrophication. Provide recommendations to Decision maker	Ensures SEIS objective: development of national and regional environmental information systems in line with the EU approach. Egypt complies a state of environment report every year There is a need for support to elaborate the environmental report in line with EU and international standards	R1 :H2020 indicators is established, R2: data sharing is manged, R3: The infrastructure report offered by EEA & UNEP MAPare wily used, R4: indicators for H2020 reports are produced	This activity is linked to Monitoring and Review Component objectives : 1-To enhance optimal national information systems allowing for systemic production of indicator-based reporting and sharing of data; 2- To expand the existing H2020 priorities with a particular focus on water, solid waste and industrial emissions, identify and address additional priority areas;	Content and interinstitutional cooperation	NOIF, IGSR and EEAA agencies and ministries	6 months	Internal and with external support from ENIS SEIS II support for funding	Linked to Communication, Dissemination activity REG-15:" Support for the implementation of the PCs' updated" under H2020 component according to work plan of SWIM-H2020	Law 4/1994 amended by Law 9/2009) for environmental protection and its modifications and its executive regulations. Barcelona Convention.
<b>Implementation of the first phase of IMAP</b>														
12	Consultancy to develop integrated monitoring program for pollution and litter.	egypt was established the monitoring program since 1998 with cooperation with DANIDA program. Since this date the monitoring program have not developed except increasing some parameters according to environmental situation at egypt	Deficiency of financial resources for proper environmental monitoring program	strong environmentally monitoring program Meet all needs and requirements	Review of the existing monitoring program indicators and methodology of sampling and analysis. Analysis of data gaps and placing in place procedures for data collection	Egypt complies a state of environment report every year There is a need for support to elaborate the environmental report in line with EU and international standards. Comply with the barcelona convention obligation and the other resemble programs	R1 :H2020 indicators is established, R2: data sharing is manged, R3: The infrastructure report offered by EEA & UNEP MAPare wily used, R4: indicators for H2020 reports are produced	enhance the capacities This activity is linked to Monitoring and Review Component objectives : 1 -To enhance optimal national information systems allowing for systemic production of indicator-based reporting and sharing of data; 2- To expand the existing H2020 priorities with a particular focus on water, solid waste and industrial emissions, identify and address additional priority areas;	Content and interinstitutional cooperation	NOIF, IGSR and EEAA agencies and ministries	ONE year	Internal and with external support from ENIS SEIS II support for funding	Linked to IC2M / IWRM (3) under H2020 component according to work plan of SWIM-H2020	Law 4/1994 amended by Law 9/2009) for environmental protection and its modifications and its executive regulations. Barcelona Convention.
<b>Marine Litter</b>														

13	Relevant stakeholders capacity building	<ul style="list-style-type: none"> <li>Identifying targeted groups and relevant stakeholders including scientists and research institutions capable of conducting marine litter monitoring programs.</li> <li>Establishing a tide network between target groups.</li> <li>Technical training and methodology Establishment for marine litter monitoring</li> <li>Providing monitoring equipments and consumables necessary to carry out beach surveys .</li> </ul>	<ul style="list-style-type: none"> <li>Egypt is preparing to start and implement its national ML management plan however, a lack of well trained team of stakeholders capable of regularly monitor ML is present.</li> </ul>	<ul style="list-style-type: none"> <li>A well trained team of targeted groups is expected to be ready to start ML monitoring programme</li> </ul>	<ul style="list-style-type: none"> <li>two groups are ready with training, equipments and consumables to conduct a regular ML monitoring</li> </ul>	landbase sources NAP SCP national action plan	<ul style="list-style-type: none"> <li>The H2020 indicator set is stabilised, refined and complemented.</li> <li>The in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised.</li> <li>Indicator-based H2020 report(s) and assessments are produced in line with good practices from the EU region.</li> </ul>	<ul style="list-style-type: none"> <li>To enhance optimal national information systems allowing for systemic production of indicator-based reporting and sharing of data.</li> <li>To ensure the sustainability of the governance setup of the H2020 review processes.</li> <li>To encourage the integration of outcome of the H2020 review in the policy making process at regional and national level</li> </ul>	Content and interinstitutional cooperation	EEAA with other stakeholders	September 2017- March 2018	internal and with external support from ENIS SEIS II support	this activity is mainly the first to be implemented as the following activities depend on it.	law 4 for 1994 for environmental protection and its modifications and its executive regulations. Barcelona Convention.
14	Field training for targeted groups on ML monitoring	<ul style="list-style-type: none"> <li>Field trips training for target group on ML monitoring procedures</li> <li>Issuing national guidelines booklet for ML monitoring procedures</li> </ul>	<ul style="list-style-type: none"> <li>ML is only monitored by EEAA four times annually through the national institute of oceanography and fisheries in a simple and visual manners</li> </ul>	<ul style="list-style-type: none"> <li>Gaining adequate information and monitoring skills for the assigned national team to ensure accurate monitoring results</li> </ul>	<ul style="list-style-type: none"> <li>Conducting two field trips training on practical methodology of analyzing and calculating ML</li> <li>A national guidelines booklet for ML monitoring procedures is Ready</li> </ul>	landbase sources NAP SCP national action plan	<ul style="list-style-type: none"> <li>The H2020 indicator set is stabilised, refined and complemented.</li> <li>The in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised.</li> <li>Indicator-based H2020 report(s) and assessments are produced in line with good practices from the EU region.</li> </ul>	<ul style="list-style-type: none"> <li>To enhance optimal national information systems allowing for systemic production of indicator-based reporting and sharing of data.</li> <li>To ensure the sustainability of the governance setup of the H2020 review processes.</li> <li>To encourage the integration of outcome of the H2020 review in the policy making process at regional and national level</li> </ul>	Content and interinstitutional cooperation	EEAA with research institutes	April 2018- September 2018	internal and with external support from ENIS SEIS II support	this activity is depeding on the BC activity	law 4 for 1994 for environmental protection and its modifications and its executive regulations. Barcelona Convention.
15	Technical training on data collecting , reporting and processing for ML	<ul style="list-style-type: none"> <li>Providing data reporting templates</li> <li>Establishment of data base for the collected information on ML types, amounts, abundance and distribution</li> <li>Providing data base user Manual</li> </ul>	<ul style="list-style-type: none"> <li>Lack of ML reporting system</li> <li>Lack of ML data base system</li> </ul>	<ul style="list-style-type: none"> <li>Data base and reporting templates are expected to be ready and available for future activities in the framework of the IMAP Information System</li> </ul>	<ul style="list-style-type: none"> <li>A complete reporting system for ML</li> <li>A complete data base system for ML</li> </ul>	landbase sources NAP SCP national action plan	<ul style="list-style-type: none"> <li>The H2020 indicator set is stabilised, refined and complemented.</li> <li>The in-country processes for organising sharing of data sets underlying the H2020 indicators are stabilised.</li> <li>Indicator-based H2020 report(s) and assessments are produced in line with good practices from the EU region.</li> </ul>	<ul style="list-style-type: none"> <li>To enhance optimal national information systems allowing for systemic production of indicator-based reporting and sharing of data.</li> <li>To ensure the sustainability of the governance setup of the H2020 review processes.</li> <li>To encourage the integration of outcome of the H2020 review in the policy making process at regional and national level</li> </ul>	Content and interinstitutional cooperation	EEAA	July 2018- September 2018	internal	this activity is depeding on the BC activity	law 4 for 1994 for environmental protection and its modifications and its executive regulations. Barcelona Convention.