Managing interventions in case of sudden pollution in the Adriatic sea

*International parallel audit* of the Supreme Audit Institutions from Republic of Albania, Bosnia and Herzegovina, Republic of Croatia, Italian Republic, Montenegro, Republic of Slovenia
The following Mediterranean Supreme Audit Institutions (SAIs):

- State Supreme Audit of the Republic of Albania,
- Audit Office of the Institutions of Bosnia and Herzegovina,
- Audit Office of the Institutions in the Federation of Bosnia and Herzegovina,
- State Audit Office of the Republic of Croatia,
- Corte dei conti of the Italian Republic,
- State Audit Institution of Montenegro and
- Court of Audit of the Republic of Slovenia

have in the period from November 2019 until June 2021 carried out performance audit on “managing interventions in case of sudden pollution in the Adriatic Sea.”

Parallel audit was performed in accordance with the principles of ISSAI 5800 Guide on Cooperative Audits, INTOSAI Tips and Examples for Cooperative Audits, ISSAI 3000 and other respective audit standards and guidelines.

This document is a compendium of short summaries of individual audit reports published by contributing SAIs. Full audit reports and other materials of each individual SAI can be found by following the links provided after each short summary.
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Conference of the Heads of the Supreme Audit Institutions from Albania, Bosnia and Herzegovina, Croatia, Italy, Montenegro and Slovenia on “Managing interventions in case of sudden pollution in the Adriatic Sea” – Trieste, September 23rd 2021

The SAIs from Albania, Bosnia and Herzegovina, Croatia, Italy, Montenegro and Slovenia, following the audits carried out, agree on the urgency that the respective Governments adopt measures aimed at strengthening prevention and management response systems for marine pollution caused by sudden and accidental spills of hydrocarbons and other hazardous and noxious substances most frequently transported in the Adriatic Sea.

The SAIs also believe that the environmental risk associated with the occurrence of serious maritime accidents requires cross-border cooperation for emergency management, to be implemented through the adoption of a common emergency response plan for all the States bordering the Adriatic Sea and the organisation of joint exercise programs.

With a view to enhance the cooperation for the protection of the Adriatic Sea – as a common natural heritage among Albania, Bosnia and Herzegovina, Croatia, Italy, Montenegro and Slovenia – the SAIs hope for the establishment of a permanent Committee or an expert cooperation platform for the exchange of information and experiences, dissemination and transfer of good practices as well as for the development of common environmental projects focused on prevention and management response to marine pollution.
Dr. Arben Shehu
Chairman of the State Supreme Audit of the Republic of Albania

Hrvoje Tvrtković
Auditor General of the Audit Office of the Institutions of Bosnia and Herzegovina

Dževad Nekić
Auditor General of the Audit Office of the Institutions in the Federation of Bosnia and Herzegovina

Ivan Klešić
Auditor General of the State Audit Office of the Republic of Croatia

Guido Carlino
President of the Corte dei conti of the Italian Republic

Dr. Milan Dabović
President of Senate of the State Audit Institution of Montenegro

Tomaž Vesel
President of the Court of Audit of the Republic of Slovenia
The Albanian State Supreme Audit Institution carried out the national audit reviewing whether the management of the intervention system, in case of sudden pollution in the Adriatic Sea in the period from 1st January 2017 to 30th of April 2020, was effective and efficient. This engagement was part of a parallel audit involving Supreme Audit Institutions of all countries along the Adriatic coast.\(^1\)

The national audit, based on the Audit Program, reviewed the measures taken by the Ministry of Defence and its subordinate the National Agency of Civil Protection, the Ministry of Infrastructure and Energy and its subordinates the General Maritime Directorate, and the Ministry of Tourism and Environment and its subordinate the National Environmental Agency. It was focused in the ports of Durrës, Shëngjin and Vlora, as they lay along the Adriatic coast.

Albania has a 476 km coastline from which 325 km in Adriatic Sea. The Adriatic Sea is of a great geographical and economic importance for Albanian country. It mitigates the climate, a large amount of fish is caught in these waters and salt is extracted off the lagoons. Adriatic Sea also enables the connection between Albania and other countries. Albania’s marine ecosystems and coastal wetlands are rich in habitat typology and associated biodiversity. They constitute an important part of the natural heritage not only for the country but also for the Mediterranean region as a whole.

In our country, during the audit period, has been no seas’ sudden pollution, of such magnitude to be classified as an environmental emergency, but the increase in trading activities and environmental factors that are negatively impacting the global and regional climate, can lead to environmental disasters, the amplitude of which can be multiplied.

The Albanian State Supreme Audit Institution found out that despite the reforms undertaken by the government, the management and protection system of the seas has shortcomings. The strategic document that sets out policies, objectives, activities and monitoring systems to reduce sea disaster risks, such as sudden pollution, till the end of the audit (December 2020) was not yet drafted. Thus, there

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\(^1\) The audit focus of the Albanian national audit was broader, including Ionian Sea as well, but for the purpose of this joint indicative, only the summery on Adriatic Sea is presented.
is no strategic framework which guides the prevention, preparation, dealing and
recovering from sea disasters through an integrated and efficient system, in order
to guarantee the protection of flora and fauna, property, cultural heritage and the
environment, in case of sudden pollution.

The new law on civil protection was approved in 2019. Till the end of the audit, the
new institutions foreseen by the new Law were not fully operative. Lack of fully
established directories and their respective sectors, lack of sufficient number of
employees and identified issues with internal organization of this new institutions,
risk the effective and efficient management in case of sea sudden pollution.

National emergency response plan has not been updated in accordance with
requirements of the new law on civil protection. On the other side, action plans
suffer from lack of implementation mechanisms therefore resulting in insufficient
controlling mechanisms for the implementation of protective and preventive
measures in case of sudden pollution. The regions have not enabled the process
of reviewing the emergency plans.

The audit concluded there was poor organization of inter-ministerial monitoring
groups, as well as poor cooperation between central institutions with local
government bodies in managing the civil emergency system. There have been
shortcomings in measures to be taken to clearly define the area of responsibility
for emergencies and civil protection according to the type of activity and areas
covered by the ministries, following the recent changes that occurred with the
approval of the new law.

The national data system on civil emergencies was not fully functional and lacking
monitoring activities. As well, the regions did not have data related to the pollution
of the sea by oil, hazardous waste, etc., or ways of intervention in these cases for
the contaminated areas at sea.

Deficiencies were found in the control mechanisms for material and financial
resources, allocated from the state budget to central and local bodies, used for
cases of civil emergencies. The auditees, did not have reports, analysis and control
information on the use of material and financial resources, which were allocated
from the state budget, in cases of emergencies and civil protection. The regions did
not have the financial resources and reserves needed in cases of civil protection
emergencies and pollution of the sea by oil or hazardous substances.

Not enough controls and inspections were conducted on the implementation of
protective and preventive measures in cases of emergencies and civil protection,
therefore not addressing lack of promptly and timely actions to control and stop
fuel leaks and the release of hazardous chemicals. There were found deficiencies
in ensuring a minimum level of tools/equipment ready to be used in response
to marine pollution with oil or hazardous substances, difficulties in identifying
areas with high risk of accidents and inability to receive information in time and
be present with a 24-hour service by vehicles throughout the Albanian maritime
space. On the other side, the process of taking measures, by the regions of Shkodër,
Lezhë, Durrës, Fier and Vlorë, to protect the sea from pollution, has started lately.
Capacity building has lagged due to different sectoral approaches and insufficient engagement of state institutions. No data on the design, development and implementation of training curricula in the field of emergencies and civil protection, were found. The regions did not have the necessary trained staff to carry out the organization and coordination of activities in cases of civil protection emergencies and sudden pollution of the sea.

Based on the national audit, the State Supreme Audit of Albania concluded that the system of intervening in case of sea pollution was partially effective and efficient. Special attention should be paid in providing the necessary resources to prevent, deal and recover from sea pollution and accidental spills of hydrocarbons and other hazardous and noxious substances. The cooperation between all stakeholders is of most importance for dealing successfully in case of sea pollution.

Full audit report:
https://www.klsh.org.al/content_pdf/176
Two public sector auditing institutions from Bosnia and Herzegovina took part in the project of parallel performance audit. Each of these two audit institutions is responsible for public sector auditing within their scope of mandate/competencies and reports to their respective parliament.

The Audit Office of the Institutions of Bosnia and Herzegovina (SAI B&H) is responsible for auditing public institutions and bodies at the state level and reports to the Parliamentary Assembly of Bosnia and Herzegovina. The Audit Office of the Institutions in the Federation of Bosnia and Herzegovina (SAI FB&H) is responsible for auditing public institutions and bodies in the entity of the Federation of Bosnia and Herzegovina (FB&H) including public bodies at the level of the entity, cantons and municipalities within the entity of FB&H. The SAI FB&H reports to the Parliament of FB&H.

The coastline of B&H is located in the FB&H entity. While international cooperation and coordination in the field of environment, maritime transport as well as civil protection fall under the competency of the state-level institutions (B&H), environmental and water protection are within the scope of competence of several federal, cantonal and local government institutions (FB&H). Summaries of performance audit reports conducted by the two audit institutions are presented in the following sections of the report in two separate subchapters.

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1 B&H consists of two entities, the Federation of Bosnia and Herzegovina and Republic of Srpska, and the Brcko District.
The Audit Office of the Institutions of Bosnia and Herzegovina (SAI B&H) conducted a performance audit in order to examine whether the Institutions of Bosnia and Herzegovina have created the preconditions to efficiently respond in the event of accidental sea pollution. The audit was also aimed to contribute to the implementation of Sustainable Development Goals, the Goal 14 in particular: Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

Setting up the response system in accordance with the requirements arising from B&H’s membership in the Mediterranean Action Plan (MAP)/Barcelona Convention requires mutual cooperation of the B&H institutions from different departments. Apart from that, it is necessary that the B&H institutions exercise cooperation with entity-level institutions as well. The institutions of B&H having a prominent role in the implementation of obligations from the (MAP)/Barcelona Convention related to the establishment of the response and preparedness system are: Ministry of Foreign Trade and Economic Relations of Bosnia and Herzegovina (MoFTER B&H), the Ministry of Communications and Transport of Bosnia and Herzegovina (MCT B&H), the Ministry of Security of Bosnia and Herzegovina (MS B&H) and the Border Police of Bosnia and Herzegovina (BP B&H)

The audit findings indicate that the Institutions of Bosnia and Herzegovina have not taken measures to ensure the establishment of a legal framework for the response system. Out of four observed international treaties defining the obligation to establish and maintain a preparedness and response system in case of accidental marine pollution, as well as mutual cooperation of states in this area, the Institutions of Bosnia and Herzegovina ensured ratification of only one treaty, i.e. the Amendments to the Barcelona Convention. Ratification process for the three remaining international treaties has not even started yet. In this regard, the MoFTER B&H has not initiated the accession to the Barcelona Convention Protocol - Protocol Concerning Cooperation in Preventing Pollution from Ships and, in Cases of Emergency, Combating Pollution of the Mediterranean Sea (Emergency Protocol ) neither accession to the International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC ) nor the Protocol on Preparedness, Response and Co-operation to Pollution Incidents by Hazardous and Noxious Substances (OPRC-HNS).
The Institutions of Bosnia and Herzegovina failed to set up a comprehensive coordination mechanism for all those involved in the implementation of obligations from the MAP/Barcelona Convention related to the establishment of a preparedness and response system in Bosnia and Herzegovina. At the level of the B&H institutions, MoFTER B&H and MCT B&H have prominent roles in this area having regard to their competencies and activities within the MAP/Barcelona Convention bodies. Representative of the MCT B&H is the Prevention Focal Point in REMPEC, in charge, on behalf of B&H of maritime issues and pollution coming from ships, while representatives of the MoFTER B&H attend, on behalf of B&H, regular meetings of the Contracting Parties to the Barcelona Convention. Additionally, implementation of commitments with respect to establishing the response system in case of accidental marine pollution requires engagement of the B&H institutions such as MS B&H, considering the competencies of the Ministry in implementing international commitments and cooperation in the area of civil protection. Despite these facts, regular cooperation between the MoFTER B&H and the MCT B&H as well as other B&H institutions whose scope of work is relevant to the establishment of a response system in accordance with the requirements of the MAP/Barcelona Convention has not been established.

In addition, regular cooperation has not been established neither with the institutions from other levels of government whose engagement is necessary in order to establish the response system in accordance with the requirements arising from B&H’s membership in the MAP/Barcelona Convention. Current coordination of all the relevant actors in Bosnia and Herzegovina on the issue takes place through the MAP Focal Point only. However, the reliance on the MAP Focal Point exclusively, without exercising direct mutual cooperation and initiatives in this area, has not resulted in setting-up an accidental marine pollution response system.

No accidental marine pollution contingency plan has been adopted at the level of the Institutions of Bosnia and Herzegovina. In terms of accidental maritime pollutions, the Institutions of Bosnia and Herzegovina rely on the existing protection and rescue system within which the Protection and Rescue Plan was adopted. However, the existing Protection and Rescue Plan does not offer an adequate response to the threat of accidental marine pollution. On the other hand, it offers a solid base for developing a contingency plan. The MoFTER B&H has been, in the existing Protection and Plan, assigned a leading role in coordinating responses in case of environmental and industrial disasters, with the MS B&H and BP B&H providing support to the MoFTER BiH. Despite the fact that the Protection and Rescue Plan recognized responsible institutions no action has yet been taken to adopt the contingency plan of the B&H institutions.

Due to the lack of legal framework, mutual cooperation of responsible institutions as well as a contingency plan B&H faces a risk of suffering greater economic and environmental damage in the event of accidental marine pollution.

The Audit Office of the Institutions of Bosnia and Herzegovina provided recommendations whose implementation should result in creating the
preconditions for efficient management of responses in the event of an accidental marine pollution. Recommendations were sent to the MoFTER BiH, the MS B&H, MCT B&H and BP B&H.

Full audit report:
Audit Office of the Institutions in the Federation of Bosnia and Herzegovina

The Audit Office of the Institutions in the Federation of Bosnia and Herzegovina conducted a performance audit titled “Managing interventions in case of accidental pollution of the Adriatic Sea”. The audit objective was to examine if the competent institutions in the Federation of B&H have created preconditions for efficient management of interventions in case of accidental pollution of the Adriatic Sea.

Accidental pollution involves sudden spills of hazardous substances that can pollute or worsen the state of water. Such situations are unpredictable and can cause serious consequences to the environment. They require preparation and quick reaction, in order to reduce the environmental consequences as much as possible. Due to the present risks of accidental sea pollution and mandatory international cooperation requirements in this area, proper regulatory and institutional prerequisites, as well as established contingency plans are crucial for adequate response management.

The subject of the audit was an assessment of regulatory, institutional, planning and organizational prerequisites for managing interventions in case of accidental pollution of the Adriatic Sea. The audit covered activities of nine institutions: Federal Ministry of Agriculture, Water Management and Forestry; Federal Ministry of Environment and Tourism; Agency for Watershed of Adriatic Sea; Federal Civil Protection Administration; Federal Ministry of Transport and Communications; Federal Administration for Inspection Affairs; Ministry of Agriculture, Forestry and Water Management of the Herzegovina-Neretva Canton; Ministry of Trade, Tourism and Environmental Protection of the Herzegovina-Neretva Canton and the Municipality of Neum.

The audit showed that, despite the importance of the Adriatic Sea and its vulnerability, basic prerequisites for efficient management of accidental sea pollution have not been established in the Federation of B&H.

It was found that the environmental and water protection regulation requires significant improvements in order to clearly define obligations of the responsible institutions. Also, the legal framework lacks precise sea management and protection rules, which is a serious cause for concern.

Despite the fact that the responsible institutions are aware of these problems, the audit findings indicate that they did not initiate activities in order to properly regulate this area.
Regarding the institutional prerequisites, the audit highlighted the problem of inadequate organizational structure of the water management sector, since the responsibilities of water protection and intervention management are divided and intertwined between ministries responsible for water, ministries responsible for the environment, as well as a number of other institutions from different levels of government. Also, in the institutions responsible for water and environment, the problem of insufficient and inadequate human resources has been present for many years. Inadequate institutional prerequisites significantly reduced the efficiency of water protection activities, especially in setting up the intervention system that should include institutions from other sectors as well.

The legal framework in the Federation of B&H has not prescribed the establishment of contingency plans for accidental sea pollution. Instead, it was envisaged that plans for accidental water pollution should be used in case of coastal pollution.

Audit findings indicate inefficiency of the auditees in drafting and adopting operational contingency plans for accidental water pollution. The first Federal Operational Plan for Accidental Water Pollution of Third Degree of Endangerment was adopted in 2020. On the other hand, the Cantonal ministry in charge of water (HNC) has not even drafted a Cantonal Operational Plan for Accidental Water Pollution, which was supposed to be developed in cooperation with the Agency for watershed of the Adriatic Sea.

Also, the Plan for protection against accidental pollution from ships and for the coastal zone of inland waters, prescribed by the Law on Inland and Maritime Navigation, has not been adopted. According to sources, this Law does not clearly define which institutions should adopt the Plan, yet the Federal Ministry of Transport and Communications, as well as other responsible institutions, have not made efforts to clarify this issue in order to develop this Plan.

When it comes to the Federal Operational Plan, the only one that has been adopted, it was determined that, despite the significant delay in its adoption, it does not contain some of the the elements prescribed by the regulation. Among other, it does not address risk assessment for the occurrence of accidental sea pollution. The audit findings also indicate that there was delay in establishing functional groups, which should ensure the coordination of all relevant institutions in the implementation of Federal operational Plan. Some important stakeholders, such as Port Authority of Neum, Cantonal Ministry of Water and Environment of the Herzegovina-Neretva Canton and Municipality of Neum were not even planned to participate in the operational groups, even though they should have a significant role in case of sea pollution.

Exercises, which should test the planned procedures in case of accidental pollution, have not been carried out, which questions the preparedness of all competent institutions for effective implementation of the Federal Operational Plan.

The Audit Office of the Institutions in the Federation of B&H provided recommendations which should result in setting up the preconditions for better sea protection from accidental pollution. It was highlighted that proper regulation of the Adriatic Sea protection requires proactive cooperation of institutions in the
Federation of B&H together with the state level institutions. Although the focus of this audit was on the preconditions for intervention in case of accidental sea pollution, the given recommendations could contribute to the improvement of the water protection system in the Federation of B&H in a broader sense.

Full audit report:
The State Audit Office (SAO) conducted a performance audit of Managing interventions in case of sudden pollution in the Adriatic Sea. The performance audit covered the period from 1 January 2017 to 31 December 2019. The audit was part of an international parallel audit that included the supreme audit institutions of Albania, Bosnia and Herzegovina, Montenegro, Italy, Slovenia and Croatia, countries with access to the Adriatic Sea. The subject of the audit were the activities of planning, organizing, acting and reporting on the performed tasks of managing interventions in case of sudden pollution in the Adriatic Sea.

The system for managing interventions in the event of sudden pollution of the Adriatic Sea in the Republic of Croatia is under jurisdiction of the responsible bodies of the Headquarters and the National Center for Coordination of Search and Rescue at Sea in Rijeka (MRCC - Maritime Rescue Coordination Centre) at the Ministry of the Sea, Transport and Infrastructure and county operational centers (7). The audit covered the Ministry of the Sea, Transport and Infrastructure and the two largest coastal counties (Primorsko-Goranska County and Splitsko-Dalmatinska County). Managing interventions in case of sudden pollution in the Adriatic Sea implies the implementation of procedures and measures for forecasting, prevention, limitation and readiness to react in case of sudden pollution of the sea.

Economic activity in the Adriatic Sea in the observed three-year period is continuously increasing, which leads to an increase in maritime traffic and thus to an increased risk of pollution of the marine environment. Potential large-scale pollution in the Adriatic Sea can lead to a major economic and environmental disaster for the Republic of Croatia.

According to the risk assessment in the Croatian part of the Adriatic Sea, in the area of the Protected Ecological-Fishing Zone (exclusive economic zone), ie in the area of separate navigation towards the ports of the northern Adriatic, a moderate risk was determined in case of maritime accident which may result in large-scale pollution. The probability of minor pollution (up to 5 cubic meters of spilled oil) was estimated to be extremely high in the area of the internal sea waters of the Republic of Croatia. In order for the intervention management system to be as efficient as possible, it is important to adopt intervention plans (contingency plans) and to establish a good system of control over vessels operating in the Croatian part of the Adriatic Sea.
In the Republic of Croatia, the preparedness of the emergency pollution management system is regulated by the National Contingency Plan for Sudden Marine Pollution and county intervention plans. The navigation control system is under the jurisdiction of the Vessel Traffic System (VTS) at the Ministry of the Sea, Transport and Infrastructure, which performs the activities of the organization of navigation and maritime traffic management. Supervision and management of maritime traffic is carried out in order to increase the safety of maritime navigation and to protect the marine environment. In doing so, all necessary data on maritime facilities and maritime traffic are collected. VTS provides information support important for the safe navigation of maritime facilities and controls the traffic of ships by satellite and other equipment that enables the identification and active monitoring of ships, using the system of tracking and identification of ships. Monitoring of the state of the marine environment in the Croatian part of the Adriatic Sea is performed by regular patrols by sea-cleaning ships as well as ships, aircraft and helicopters of the Coast Guard along with ships of Harbor Master’s Offices and since 2019 by drones.

The SAO has found that the responsible authorities are taking many actions related to the implementation of procedures and measures to anticipate, prevent, limit and be prepared to respond to sudden marine pollution, but that there are certain weaknesses in the system. The Republic of Croatia, with its Contingency Plan for Sudden Marine Pollution, has not determined the procedures and programs for professional training of participants to implement the necessary measures in case of sudden marine pollution and the manner and conditions of equipping and using material, technical and other means, manner and conditions of implementing procedures and measures in offshore research and hydrocarbon exploitation and manner of maintaining order and safety in interventions. The manner in which concessionaires of special purpose ports and port authorities should participate in the implementation of the said plan has not been determined either.

The Ministry of the Sea, Transport and Infrastructure has prepared an analysis of existing specialized equipment and specialized vessels available in the event of sudden marine pollution owned by specialized companies and coastal counties. Based on the above, a list of appropriate and necessary equipment (floating protective dams, skimmers, pumps and tanks for receiving oily waste) is given, which the competent responsible authorities should have at their disposal in view of the existing risks. It was found that the existing specialized companies and coastal counties have specialized equipment that can be used only for minor pollution (up to 10 cubic meters). The only exception is the area of the Kvarner Gulf (Port of Rijeka) where there is equipment that can react to slightly higher pollution, but the existing available equipment is not adequate for the open sea area. In the Republic of Croatia, ten cleaning boats are constantly on standby. Of this number, five boats are owned by coastal counties, and five are owned by legal entities, with which coastal counties have concluded contracts for cleaning services.

For minor marine pollution, coastal counties have satisfactory equipment and ships and have concluded contracts with companies that have the equipment and ships. These minor sea pollutions have been successfully remedied.
The national and county contingency plans do not specify the regular maintenance and manner of maintenance, servicing and testing and storage of the necessary equipment (to be easily accessible) and the maintenance of county-owned cleaning boats.

The SAO also found that at the regional level the lists of registered and authorized legal entities and craftsmen who own special equipment and participate in interventions in case of sudden sea pollution are updated, while the list published on the website of the Ministry of the Sea, Transport and Infrastructure is not updated. There are no contractual relations with the legal entities listed in the mentioned lists and it is not possible to determine whether their equipment is in technically correct condition, whether all the listed equipment is available in case of sudden sea pollution, whether it is physically easily accessible so that it can be put into use quickly in case of sudden pollution and whether there are enough professionally trained and skilled staff to put the equipment into operation.

According to the National Contingency Plan for Sudden Marine Pollution, it is possible to activate the available technical and human resources of the Coast Guard of the Republic of Croatia. Activating the Coast Guard in a situation of large-scale sudden sea pollution in the Croatian part of the Adriatic Sea would be more effective if the Coast Guard had sufficient equipment to prevent and limit the spread of large-scale sea pollution. The Coast Guard has adequate storage facilities for disposing of equipment, trained people who successfully conducted demonstration exercises during 2019 and 2020, a ship adapted for the use and installation of dams at sea, and ships for monitoring the sea. In view of the above, it is necessary to determine sufficient equipment (dams, skimmers, etc.) that the Coast Guard would use for rapid interventions in the event of sudden large-scale pollution of the sea on the high seas. Also, the availability of equipment would enable the Coast Guard to continuously conduct exercises, which would ensure the readiness and training of the ship’s crew. In order for the system of protection and preservation of the sea to be as successful as possible, rapid and effective intervention in case of sudden sea pollution is needed, which includes, among other things, pre-equipped, trained and educated persons to deal with sudden sea pollution. The performance audit found that for major marine pollution on the Croatian side of the Adriatic Sea, there is not sufficient appropriate specialized equipment to respond to sudden marine pollution with oils and other hazardous and harmful substances. The Ministry of the Sea, Transport and Infrastructure, in cooperation with the Ministry of Defence, should determine the necessary equipment for the activities of the Coast Guard in preventing and limiting marine pollution in the Croatian part of the Adriatic Sea.

In the revised period, trainings were conducted at the national level. There is no company or institution in the Republic of Croatia, accredited by the competent body in charge of preparedness and response to sudden pollution in the marine environment, which prepares and provides trainings according to the model of the International Maritime Organization (IMO). According to the SAO, all trainings should be organized according to the globally accepted model of the IMO for Response to Sudden Marine Pollution and find authorized advisors (establish a list of advisors with the necessary competencies) who can be invited and included in case of pollution remediation process. In the audited period, regular annual demonstration exercises were held at the national level.
These demonstration exercises included checking the communication system, exercises to check the readiness to carry out sea and coastal clean-up operations, as well as forwarding information to the media and analysing the conducted demonstration exercise.

During the revised period, 26 minor marine pollutions occurred in the area of the two coastal counties, which were successfully remedied without formal activation of county plans for interventions in the event of sudden marine pollution. No necessary documentation was kept for the pollution that occurred, nor were written decisions made on how to remove marine pollution and other decisions provided for in the above-mentioned county intervention plans. In some cases of minor marine pollution, the extent of marine pollution has not been estimated. For minor marine pollution for which it is not necessary to carry out major remediation and cleaning activities in the area under the jurisdiction of coastal counties, and in order to reduce administrative and other costs provided by activating county intervention plans, it is necessary to prescribe a step-by-step procedure and keep prescribed documentation for all marine pollution.

In cases of sudden marine pollution in the Republic of Croatia, it is prescribed that the polluter bears all costs incurred by the pollution of the marine environment. In the revised period, the largest pollution from a known pollutant in the Croatian maritime area occurred in June 2018 in the Bay of Raša, near Plomin. During the loading of motor fuel on the cargo ship, about 8 cubic meters of fuel spilled into the sea. In addition to the sea surface, the pollution with motor fuel also affected a large part of the coast and moored vessels. In addition to the above, the biggest threat to marine pollution also occurred in June 2018, when a shipwreck carrying 3,000 tons of magnesite occurred in the Split archipelago. There was a sea penetration into the engine room and there was a danger of the ship sinking, but the damage was temporarily repaired and the ship was towed to the Trogir shipyard. The rescue operation of the sailors and the ship lasted for five days. Due to the pollution of the sea in the Bay of Raša and due to the intervention in rescuing the ship in the Split archipelago, costs were incurred which were covered by the ship owners. In the case of sudden marine pollution when the polluter is not known according to the National Contingency Plan for Sudden Marine Pollution, the costs of intervention and remediation shall be financed from the state budget. It was found that funding sources for such interventions were not planned. Due to the above, the SAO is of the opinion that the Ministry of the Sea, Transport and Infrastructure, in cooperation with the Ministry of Finance, the Ministry of Economy and Sustainable Development and Environmental Protection and Energy Efficiency Fund, should provide funding to cover costs when the pollutant is unknown.

In July 2020, the Ministry of the Sea, Transport and Infrastructure conducted an open public procurement procedure with several economic entities for services of implementing measures to intervene to protect the sea from pollution. This included the procurement of equipment and resources for interventions in the event of sudden marine pollution, including the rental of vessels, tugs, specialized equipment, consulting services, protective dams and special pollution control systems. The planned public procurement procures the necessary equipment and vessels for interventions on the high seas.
Based on the conducted audit, the SAO assessed that the Republic of Croatia has normatively and organizationally regulated the management of interventions in the event of sudden sea pollution, but is not able to successfully intervene in the event of major sea pollution. Due to the above, special attention should be paid to the procurement of necessary equipment for relatively large sudden sea pollution and the activation of resources available to the Coast Guard of the Republic of Croatia, and it is necessary to prescribe a step-by-step procedure for sudden sea pollution. Coastal counties are successfully implementing pollution control interventions in their area and the remediation of small-scale sea pollution, as well as the prevention of potential shipwrecks. Consequently, the SAO assessed that the managing interventions in the case of sudden pollution in the Adriatic Sea under the jurisdiction of coastal counties was effective, with some improvements needed, while the management of interventions in the event of sudden pollution in the Adriatic Sea under the Ministry of the Sea, Transport and Infrastructure the SAO assessed as partially effective, primarily because the Republic of Croatia does not have sufficient equipment to prevent and limit large-scale marine pollution.

According to the SAO, the equipment and ships needed for intervention in large-scale pollution should be provided at the level of the Republic of Croatia and used for the entire Croatian part of the Adriatic Sea. Furthermore, the Ministry of the Sea, Transport and Infrastructure should develop an intervention management system in cooperation with the Ministry of Defence, using existing resources (Coast Guard) to make the system as efficient as possible and better use of equipment and ships. Also, it is necessary to strengthen regional cooperation of all coastal states in the Adriatic Sea, especially in the part of monitoring the situation and in case of sudden sea pollution because any major pollution in the territorial sea of one of the coastal states can affect the entire Adriatic ecosystem.

Full audit report:
The capacity to manage an emergency caused by the marine spillage of hydrocarbons or other hazardous and noxious substances is closely related not only to the effectiveness of the warning and response planning system, but also to the ability to ensure a prompt and coordinated response.

In recent decades, the Italian emergency response system to sudden marine pollution, characterised by an organisation that relies on the managerial, scientific and operational skills of public and private entities, has demonstrated its ability to deal efficiently and effectively with highly complex situations.

The strengths of the emergency response system lie in the high level of professionalism involved in the prevention of, preparedness for and response to marine pollution as well as in the ability of all the components of the system (Ministry for Ecological Transition – General HQ of the Harbour Masters – Coast Guard Authority – Marine Environment Department (RAM) – Maritime Directorates and Districts – Italian Institute for Environmental Protection and Research (ISPRA) – Anti-pollution fleet operated by the Consortium Castalia s.c.p.a.) to effectively and synergistically liaise and cooperate.

Despite a positive opinion of the management in this audit, the Corte dei conti nevertheless thinks it is necessary to formulate recommendations and proposals to the political decision-makers and the government departments concerned in order to improve the overall efficiency of the anti-pollution system, in terms of the regulation, prevention, planning and response to serious emergencies that may affect the marine environment and the economy of coastal areas.

On a regulatory level, it should be noted that, to date, the fundamental provisions governing protection of the sea are contained in Law No. 979/1982. Almost forty years after its entry into force, this fundamental law needs to be overhauled to reflect the changed legal framework, also taking into account the new forms of pollution that pose a threat to the biodiversity of the marine environment and to human health.

With regard to emergency preparedness activities, while acknowledging the existence of operational plans at both national and local level, we recommend a revision of the Civil Protection Department’s National Emergency Response Plan and the Ministry for Ecological Transition’s Emergency Response Operational
Plan, with a view to eliminating the current shortcomings and standardising the technical aspects and intervention procedures, so as to provide a single reference framework for national operators and international partners on emergency response procedures to marine pollution.

With reference to emergency plans for coastal protection, it is noted that the risk of oil slicks is not adequately mitigated either by specific intervention plans or by the availability of adequate means and equipment (booms, skimmers, cleaning tools, mechanical removal equipment). Therefore, it is highly desirable for the Civil Protection Department to exert a propulsive and coordinating action on the regional and local Civil Protection Services, for the purpose of supplementing the provincial and local plans with special sections dedicated to the management of coastal pollution.

On the prevention side, while acknowledging the efforts made by all the components of the system, our recommendation is to ensure, on the basis of a shared methodology, a constant update of the oil spill risk index, and the definition of the main environmental and socio-economic indicators, taking into account the data on maritime traffic volumes of potentially polluting substances (number of ships and quantity of goods handled) and on the accidents recorded in the various maritime districts.

Also, on the subject of prevention, special attention should be paid to the training programmes of the Harbour Masters/Coast Guard personnel. In this regard, it is underlined how the experiences built up as a result of the exercises and fight against pollution represent an important fact-finding tool that can be shared through digital and communication systems in order to foster the circulation and socialisation of the data, to the benefit of the organisational learning.

As far as the emergency response activities are concerned, Italy tackles the environmental risks arising from oil spills through a consortium of companies which operates by deploying a fleet of vessels equipped to contain and remove the polluting substances. In view of the changed structure of the naval anti-pollution system, our recommendation is to verify the adequacy of the vessels deployed in the maritime areas with the heaviest oil tanker traffic (for the Adriatic Sea, this includes, first and foremost, the northern Adriatic Sea and in the Strait of Otranto) towards all the Adriatic Sea ports, as well as the possible activation of a second line of response that could consist of anti-pollution vessels to be mobilised in the more serious cases of emergency.

On the financial side, there has been a gradual reduction in the amount of resources allocated to the Directorate-General for the Sea and Coasts of the Ministry for Ecological Transition (MITE) for activities to prevent and combat pollution from hydrocarbons and other hazardous and noxious substances, despite an increase in the risks posed not only by the heavy oil tanker traffic, but also by the gradual increase in other major forms of pollution, such as the massive presence of plastic waste.

On the same subject, it should be noted that cost savings and additional financial resources could be achieved by wider participation in calls for proposals launched by
the EU for the implementation of applied research projects and innovative systems in the field of oil spill prevention and management. Furthermore, to achieve greater impact, private-sector fundraising through calls for sponsors and crowdfunding projects could provide additional resources for targeted environmental projects.

With a view to redistributing the costs of environmental protection and ensuring the medium-to-long-term sustainability of an effective marine pollution preparedness and response system, the possibility of charging environmental fees on hydrocarbons or other hazardous and noxious substances (loaded and unloaded in ports) could be explored. Sharing these fiscal policy measures at the EU and EUSAIR Member State level, together with the provision of a common minimum rate to avoid competitive asymmetries, would ensure definite financial resources that could be used to enhance the national prevention and emergency response mechanisms.

The environmental risks associated with heavy commercial traffic of potentially polluting substances in marine environments necessarily requires cross-border cooperation in the field of prevention and emergency response. The experience built up to date within the framework of the projects financed by the European Union for the Adriatic-Ionian Region provides concrete tools for drawing a map of the most vulnerable areas and for launching projects aimed at improving early warning and response mechanisms to contain serious pollution accidents.

It is to be hoped that a common emergency response plan for all the States bordering the Adriatic Sea will be adopted within a reasonable timeframe. Pending the formalisation of a cooperation agreement based on a fair contribution of resources by the participants, intervention protocols should be agreed on a bilateral or multilateral basis for areas with heavy oil and chemical tanker traffic near the borders of several states, accompanied by annual joint exercise programmes.

The start of a constructive dialogue on the issues of shipping safety and the fight against marine pollution, facilitated by the cultural, social and economic links that unite the two Adriatic seaboards, could be the first step towards the attainment of further results, consistent with the objectives of the EUSAIR Strategy and the UN 2030 Agenda, such as the establishment – within an international cooperation body – of a permanent Committee for the conservation and protection of the Adriatic Sea, as an institutional forum for exchanging information and experiences, disseminating and transferring good practices and developing joint environmental projects.

Full audit report:
https://www.corteconti.it/HOME/Documenti/DettaglioDocumenti?Id=05a1a8ac-bed8-4082-b906-614a7872c703
The State audit institution (SAI) conducted a performance audit reviewing whether the authorities in charge of protecting the Adriatic Sea from sudden pollution are adequately prepared for an effective response. The subject of the audit were the activities and measures of competent authorities on prevention, reduction and elimination of consequences of sudden pollution in the Adriatic Sea. The audit covering the period of four years, that is 2017 – 2020 was carried out at the audited entities - Administration of Maritime Safety and Port Management (AMSPM), Ministry of Transport and Maritime Affairs - Directorate General of Maritime Traffic - Regional Unit – Harbour Master’s Office Bar and Regional Unit - Harbour Master’s Office Kotor, Inspectorate of Maritime Safety, Ministry of Sustainable Development and Tourism - Directorate General for Climate Change and Mediterranean Affairs, Environmental Protection Agency, PE for Coastal Zone Management, Hydrocarbons Administration, Ministry of Interior - Directorate General for Emergency Situations.

The performance audit pointed out limited capacities and some weaknesses influencing effectiveness of the protection system of the Adriatic Sea from sudden pollution.

There is a lack of established adequate system for responding to large-scale sudden pollution (level 3) in the part of satisfactory material and technical and human resources, making maps of sensitive areas, constant risk assessment and other issues of importance for adequate response. The revised National emergency response plan in case of marine pollution from vessels from 2011 has not been adopted and appropriate coordination has not been established between all participants who have a role in the National Plan. The regional agreement for joint response has not been signed, required conventions have not been ratified and all obligations from ratified documents have not been fulfilled.

The audit points out that not all activities, recommendations and all environmental protection measures from the Report on the Strategic Assessment of the Environmental Impact of the Hydrocarbon Exploration and Production Programme of Montenegro have been implemented. Directive 2013/30/EU on the safety of offshore oil and gas activities has not yet been implemented in Montenegrin legislation because the Law on Safety Measures for Offshore Hydrocarbon Exploration and Production has not been adopted.
Accordingly, the State audit institution has identified that the existing system of protection against sudden marine pollution is not efficient enough, and that additional and more effective measures are required to improve it.

The audit showed that the competent authorities of Montenegro still have to adopt numerous documents that will ensure better preconditions for a more efficient system. The SAI points out that the transposition of very important conventions and protocols into national law has not been carried out. Activities related to marine protection are ensured through the established strategic legal framework, which represents a good basis for efficient fight against sudden marine pollution. However, although comprehensive, the strategic policy has not been fully implemented in practice. The audit has found that the commitments expressed in the strategic documents did not adequately find their place in the regulations that were adopted, which would establish a legally binding basis for their implementation. The system proved to be insufficiently efficient in the process of realisation of obligations defined through strategies, laws and action plans.

A national regime for responding to pollution that includes hazardous and harmful substances has not yet been established. Meanwhile, Montenegro lacks a normative framework for responding to chemical spills, including clear roles and responsibilities.

Although the Law on Marine Protection envisages the establishment of interagency cooperation through the formation of the Coordinating Body for Marine Protection, in order to monitor and improve the situation in this area, it has not been formed, but after the audit process, the procedure of its formation was initiated, while drafting internal acts is in the final stage. Activities on the preparation of the initial assessment of the state of marine environment, objectives and related indicators for achieving and maintaining good marine environment, criteria and methodological standards of good state of marine environment are underway, through the support of the IPA project Support to the implementation and monitoring of water management in Montenegro and it is expected to be prepared within the legal deadlines.

A review of the provisions of the Law on the Protection of the Sea against Pollution from Vessels and its application in practice showed that certain provisions of the law have not been fully applied.

It has been found that there is no adequate risk assessment associated with oil spills from ships, (also from offshore installations), nor are there any formal processes that ensure reassessment of risks on an ongoing basis. AMSPM, although a leading institution for responding to oil spills from ships, has not conducted an assessment of its capacity to respond to oil spills. Given the lack of recent capacity analysis and the lack of up-to-date knowledge on risks, AMSPM does not have an assessment of whether its oil spill response capacity is appropriate to address these risks.

The dynamics of drafting the National Plan for Emergency Response in the Event of Marine Pollution from Vessels is not appropriate, having in mind the fact that the first version was adopted in 2011, and that even after nine years, it has not been
Postponing the preparation of the annex to the National emergency response plan in the event of marine pollution from vessels and performing analysis and assessment of the risk of marine pollution is an aggravating circumstance for effective prevention, especially given that the risk of pollution is high. The process of creating specialised databases was not objectively initiated. Due to these shortcomings, the necessary conditions for the effective implementation of the National emergency response plan in case of marine pollution from vessels have not been ensured.

In addition, it has been found that no coastal municipality has developed a local plan and risk assessment in the event of sudden marine pollution.

The audit has found that no guidelines were provided for the cleaning of the polluted coast, temporary storage of collected oil at a location on the coast, the plan to rehabilitate the site on the shore where the collected oil is stored and flora and fauna rehabilitation plan.

The audit has identified satisfactory material and technical resources in the Administration of Maritime Safety and Port Management, in case of small and medium pollution (level 1 and 2), but in case of large-scale pollution (level 3) Montenegro does not have the equipment for adequate response. A prerequisite for the efficient use of financial resources for material and technical equipment is the establishment of a quality national database, and a quality needs analysis. During the audit, the lack of a central database system on material and technical resources was identified. Staff training in case of sudden sea pollution is satisfactory. The adequate use of dispersants is not regulated in accordance with the requirements of international conventions.

The system of information exchange and communication is present, but not at an adequate level. An organisational framework for the coordination of measures and activities at the level of Montenegrin institutions has been defined, but there are still weak points that need to be improved. Thus, the audit has found that coordination was limited. In addition, the communication of inspection services must be intensive and systematic, both from the local and state level. The main shortcomings of this area include the mutual incompatibility of existing databases and the exchange of data between individual entities. There are still examples of data retention and insufficient cooperation.

Montenegro has an analysis of the degree of readiness to respond to the crisis situation, including equipment with material and personnel, through the Analysis of the Interdepartmental Exercise Adriatic 2019. Although Montenegro was a participant in the HAZADR project (Strengthening the joint reaction capability to combat marine pollution with oil, toxic and dangerous substances in the Adriatic Sea), the application of the results from this project is limited.

The audit has showed that there is no established practice of conducting detailed analyses after each crisis situation in order to simultaneously identify elements that worked well during a particular crisis situation and elements that did not work and that need to be changed or improved in the future. None of the cases analysed in our sample contained a post-incident assessment.
There is no central record documenting all relevant information related to the incident, including environmental or social and economic damage. Thus, information on environmental impacts does not exist. Incomplete documentation of pollution responses affects the ability of AMSPM to know how well it is achieving its objectives, which in turn is important for conducting risk assessments and assessing the adequacy of equipment and capacity.

The targeted control and assessment of the condition of the marine protection segment was not performed within the Directorate for Monitoring in MTMA. The lack of an adequate monitoring and control mechanism at all levels does not guarantee that the responsible institutions will fulfil their obligations in a timely manner, and that the measures will be implemented with a significant delay.

There is a problem of intentional pollution of the sea, which is not sufficiently punished and whose penalties do not generate a deterrent effect from illegal acts/behaviour. The audit established that, as of October 15, 2020, the Administration for Inspection Affairs did not perform any supervision in the field of oil and gas exploration.

Based on the presented findings and conclusions, the State Audit Institution (SAI) has recommended to Administration of Maritime Safety and Port Management to: assess its response capacity, taking into account the capacity of all participants who have a role in the National Plan and use this information when making future investment decisions; carry out risk assessments related to oil spills from ships and offshore sources and establish adequate risk updates as necessary and establish procedures to ensure that recommendations and lessons learned from national exercises serve to improve the National emergency response plan in case of marine pollution from vessels.

Ministry of Transport and Maritime Affairs should draft and propose to the Government a new Law on Protection of the Sea from Pollution from Vessels in accordance with ratified conventions; ensure that the necessary annexes accompanying the National emergency response plan in case of marine pollution from vessels are developed; accelerates ratification of international conventions and protocols; develop guidelines for the establishment of a regulatory framework for the discharge of hazardous and noxious substances into the Montenegrin marine environment; intensifies inspections related to pollution prevention; accede to the regional agreements; having in mind the development of international cooperation in the subject area and requirements related to further development of multilateral agreements and consider possibility of submitting a joint initiative of the countries of the Adriatic region as “areas of joint management” for maritime areas in order to submit a joint request of the EC to obtain funds for procurement of equipment in case of large-scale pollution in the Adriatic Sea (With the participation of non-EU countries/candidate countries).

The Environmental Protection Agency is recommended to initiate activities, through interagency cooperation, in order to form the Unit/Commission for Environmental Management, in order to adequately control the impact of future activities planned by the Programme of exploration and production of hydrocarbons in the Montenegrin seabed on the environment and complete activities on the
development of protection studies for marine protected areas, in accordance with the Law on Nature Protection.

The Ministry of Capital Investments and the Hydrocarbons Administration should implement the planned activities in accordance with the recommendations for the protection of biodiversity and environmental protection measures set out in the Report on the Strategic Environmental Assessment of the Programme of Exploration and Production of Hydrocarbons in the Seabed of Montenegro.

Full audit report:
http://www.dri.co.me/1/doc/Mannaging%20interventions%20in%20case%20of%20sudden%20pollution%20in%20the%20Adriatic%20sea.pdf
The Court of Audit implemented the audit reviewing whether the system of managing interventions in case of sudden pollution in the Adriatic Sea in the period from 1 January 2017 to 31 December 2019 was efficient. The audit was a part of the international parallel audit involving Supreme Audit Institutions of all countries along the Adriatic coast.

The system of managing interventions in case of sudden pollution in the Adriatic Sea involves several stakeholders, while the audit reviewed those that carry the main responsibilities to develop this system, namely the Ministry of Infrastructure, the Ministry of Defence, the Ministry of the Environment and Spatial Planning, the Maritime Administration of the Republic of Slovenia, the Administration of the Republic of Slovenia for Civil Protection and Disaster Relief, the Slovenian Environment Agency, the Slovenian Water Agency and Luka Koper, port and logistic system, public limited company responsible for preventing and fighting sea pollution within the area of a cargo port in Koper.

The Court of Audit found out that the auditees are focused on various measures preventing the occurrence of accidents and consequently pollution of the sea, and that they carry out those measures as well. It, however, pointed out some weaknesses, such as: implementation of the public utility service of maintaining infrastructure for the safety of sea navigation was based on a 17-year-old concession contract. The system of hydrological and meteorological measurements for providing data necessary for safe navigation at sea was upgraded but was not fully set up. While carrying out maritime pilotage and harbour towage difficulties occurred that could also affect the safety of navigation at sea. In order to remedy disclosed issues the authorised auditees already adopted some measures. Between the years 2017 and 2019 there were 2 cases of emergency related to grounding of tankers. If those accidents caused an oil spill, the consequences could result in a catastrophe for marine environment and also for the coast. An important step towards the improvement of safety in the maritime transport is opening of the marine traffic control centre in 2021. In order to reach the desired level of monitoring and control over the maritime transport, it is necessary to approach towards listing of contents and possible amendments of the legal bases.

The Court of Audit disclosed that procedures to be used in case of pollution of the sea are defined. Smaller scope of pollution is managed by regular units and services of the auditees within their powers, while procedures related to larger...
scope of pollution are defined in regional plan of protection and disaster relief operations when accidents occur at sea. Thereby, the Court of Audit found out that responsibilities of those that have the permits to use water, i.e. harbours, related to cleaning andremedying water pollution including the tasks of removing collected waste and substances were not always defined in the issued decisions. Also the responsibilities for cleaning the coast and offshore areas were not clearly defined. The auditees did not clarify the legal bases enough for the Maritime Administration of the Republic of Slovenia and the Administration of the Republic of Slovenia for Civil Protection and Disaster Relief to be able to impose on the polluters the costs of activities undertaken when intervening against the pollution of the sea.

The Court of Audit also established several weaknesses related to the content of the current regional plan of protection and disaster relief operations. All foreseen plans of the state bodies, where tasks of each body are defined in case of activating the plan of protection and disaster relief operations, were not developed respectively were not up-to-date. The Court of Audit assessed that readiness to cooperate and commitment of the stakeholders to participate would be better and more firm if the plan of protection and disaster relief operations was developed at the state level. The Republic of Slovenia would have to ask other states for the assistance when its own resources for protection and disaster relief operations in the case of pollution would not suffice. On the basis of the international agreements and conventions the Republic of Slovenia can ask for help other countries and international organisations or can get involved in cross-border actions to prevent or respond in case of major emergency in the Adriatic Sea.

The Slovenian system of managing interventions in case of sudden pollution in the Adriatic Sea foresees gradual activation of forces and means for protection and rescue. In case of larger scope of pollution at sea respectively when capacities of the Maritime Administration of the Republic of Slovenia would not suffice to remedy the consequences of the pollution, additional forces of protection, rescue and assistance are activated through the Administration of the Republic of Slovenia for Civil Protection and Disaster Relief including the request for international assistance. The Court of Audit also established that there was no joint overview of the necessary protection and rescue equipment available in the state if an ecological disaster at sea occurred. The assessment of the necessary equipment that should be at disposal of to the Republic of Slovenia and which should consider the scope of maritime transport, the amount and type of cargo transferred in the Gulf of Trieste and in the Adriatic Sea was not developed. Nevertheless, the auditees estimated that they have sufficient equipment needed to intervene in case of smaller scope of pollution. The data related to available human resources who can intervene in case of large scope of pollution were not complete, furthermore there was no joint overview of human resources who could be involved in such interventions. After the completion of the audit, the Administration of the Republic of Slovenia for Civil Protection and Disaster Relief drew up a new overview of the equipment as well as an overview of human resources trained to intervene in case of large scope of pollution at sea.

Education and training of the participants involved in the interventions are carried out regularly, i.e. in the Republic of Slovenia as well as abroad, in the form of drills open to a wide range of participants what was pointed out by the Court of Audit as
positive practice. In case of sudden pollution at sea, good cooperation among all stakeholders authorised for preventing sudden sea pollution and for intervening when pollution occurs is a crucial precondition for effective and efficient responding mainly in cases of a major emergency. According to the assessment of the Court of Audit, it would be appropriate that auditees implement drills also to check operational readiness in cases of dangerous chemicals pollution whereby they could review the availability of necessary equipment to be used and personal protective equipment for such type of pollution.

In the event of a major emergency the auditees would ask each other for help, when their capacities for temporary storage of collected waste and substances are filled. The Court of Audit found out that there was no protocol defined when capacities of all participants are filled. Additionally, the location of common temporary disposal of waste was not selected.

On the basis of the implemented audit, the Court of Audit issued an opinion that the system of intervening in case of smaller scope of pollution was partially efficient. Special attention should be placed on the field of mobilisation in case of major emergency which was not efficient in the opinion of the Court of Audit. In this context, the key element is good cooperation among all stakeholders with powers in the field of preventing sudden pollution at sea and powers to intervene in cases of pollution in the Republic of Slovenia. According to the opinion of the Court of Audit, the aforementioned is a necessary precondition for efficient and effective responding in cases of sudden pollution at sea, especially in the events of major emergency. Furthermore, full commitment to cooperating with the international community is of vital importance, since any major pollution along the Adriatic Sea can represent a significant ecological threat to all countries on the shores of the Adriatic Sea.

Full audit report: