

CENTRE OF EXCELLENCE FOR MARITIME AFFAIRS

TRANSPORT OF DANGEROUS GOODS

TECHNICAL COMMITTEE

8 TH, SESSION

26 OCTOBER 2022

BEOGRAD, SERBIA

TRANSPORT, HANDLING AND STORAGE OF DANGEROUS GOODS IN DURRES PORT

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HEAD OF TRAINING AND QUALIFICATIONS UNIT

DURRES PORT AUTHORITY

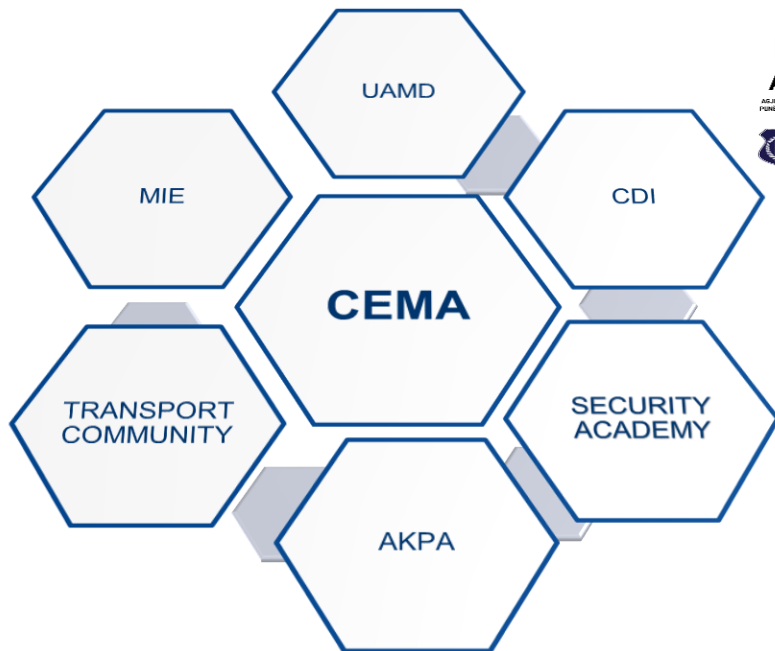
CEMA ESTABLISHMENT

The Centre of Excellence for Maritime Affairs is an initiative undertaken by Durres Port Authority which is the biggest Port in Albania, a major logistics centre in South-East Europe and the gateway to Corridor 8 in the Balkan Peninsula and its partners University of Durres, which pays a strong attention to maritime knowledge and skills, as well as CDI which is a think tank specialized in EU Western Balkans connectivity topics and regional cooperation.

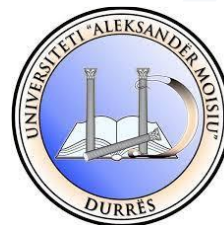
The three abovementioned partners, with the support of the Permanent Secretariat of Transport Community decided to work together to support and sustain the Centre of Excellence for Maritime Affairs signing the memorandum of understanding on May 27th 2021.



CEMA PARTNERS



 **Ministry of Infrastructure and Energy**
 **Permanent Secretariat of Transport Community**
 **“Aleksander Moisiu” University**
 **Cooperation and Development Institute**
 **AKPA** **National Employment and Skills Agency**
 **Academy of Security**



AKPA

**AGJENCIA KOMBËTARE E
PUNËSIMIT DHE AFTËSIVE**



THE MAIN PILLARS OF CEMA

Vocational
Training and
Qualification



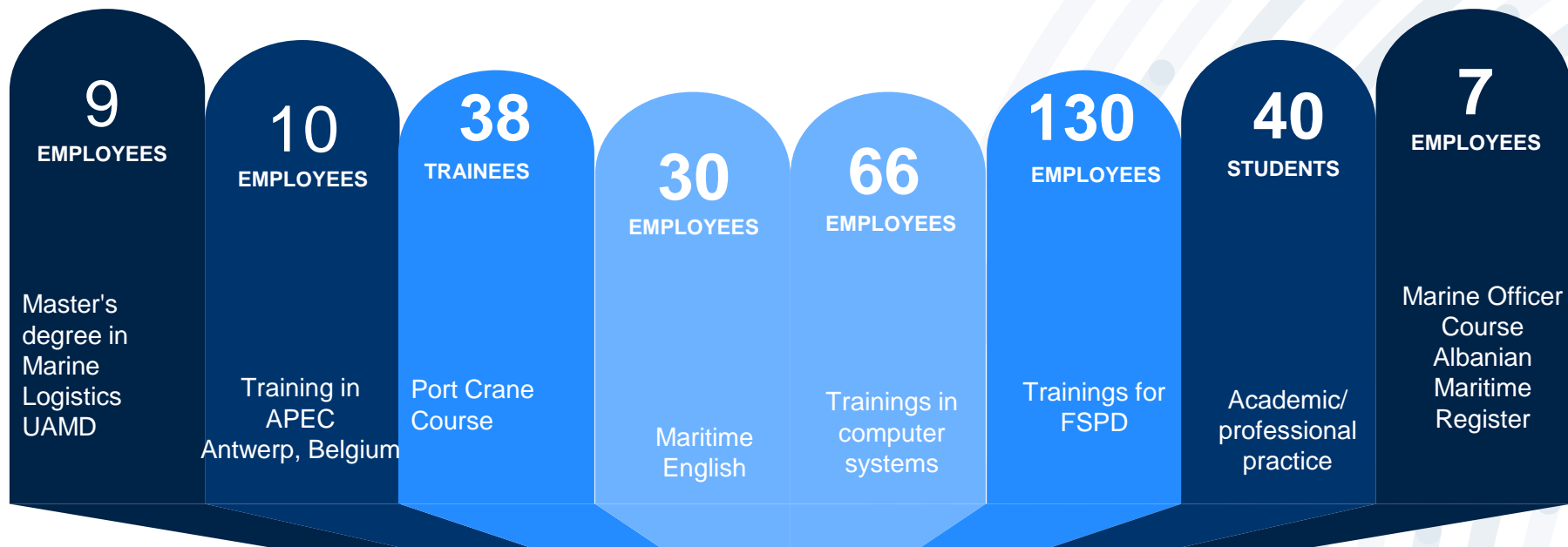
Innovation and
scientific research



Regulatory
Framework



FINALIZED PROJECTS OF CEMA IN THE FIRST YEAR



SPECIALIZATION PROGRAM AND PROFESSIONAL PRACTICES IN THE FIELD OF PORTUAL ADMINISTRATION

Participation 10 Trainees

Type Financed by Durres Port Authority

Duration 6 months

Certification Evaluation Certificate

1. Program funded by Center for Excellence for Maritime Affairs
2. Opportunity for young people to be involved in an integrated work experience and in interaction with career professionals in port administration.
3. Port authority the first initiator of the initiative
4. Profiles of interest: Mechanical Engineering, Electrical, Electronics, Economic Sciences, Exact Sciences, Navigation, Marine Management, Computer Science, Social-Legal Sciences



TRANSPORT COMMUNITY CONFERENCE REGATTA

Date	September 30, 2021
Place	Palace of Congresses, Tirana,
Co-Organizers	The Ministry of Infrastructure and Energy, the Regional Transport Community and Durres Port Authority
Occasion	World Maritime Day

For the first time, all European and regional actors of maritime transport gathered in a special conference in Albania, with the participation of several Ministers from the region, leaders from the European Commission, the World Maritime Organization, the European Organization of Ports, the main ports of the Adriatic Sea, and the venture and civil society as well as the Secretary General of the European Organization of Seaports (ESPO), Mrs. Isabelle Ryckbost.



THE PORT CRANE COURSE

Participation

44 Trainees

Type

Self-financing

Duration

6 calendar months

Certification

Patents for Port Cranes



MARITIME ENGLISH

Participation

30 Trainees

Type

Funded by the Institution

Duration

6 calendar months

Certification

certification

Maritime and C1 English level



WORK AND CAREER FAIR

Date April 14, 2022

Place “Aleksander Moisiu” University Campus, Durrës

Role Collaborator, Supporter

Centre of Excellence for Maritime Affairs and Durres Port Authority participated for the second year in a row in the “Work and Career Fair” as a collaborator and main supporter of the University and it’s students through the scholastic and professional internship programs it offers.



ACADEMY OF SECURITY AGREEMENT



The security force of Durres Port Authority and that of the fire department are two structures which have an essential role in the conduction of operations, not only in port but also in the city, so they are seen as a priority in terms of retraining of current curricula.

The Academy of Security, as the only competent institution in the country, offers over 79 training programs in the field of safety and security and cooperates with eight academies in the European Union.

In this context, Centre of Excellence for Maritime Affairs (CEMA) is playing an essential role in capacity building for maritime professionals by functioning as a meeting point between maritime transport and the academic sector.

COORDINATION COUNCIL MEETING

At the first Coordination Council meeting of Centre of Excellence for Maritime Affairs we discussed;

- Professional Curriculum Development
- Expanding Cooperation with European and International Institutions
- CEMA activity plan for 2022

CEMA is an instrument that enables us to increase our regional influence as port service providers, improve our management, and better meet standards and obligations for Flag, Port and Coast issues, and identify appropriate solutions to address climate change, for sustainable development.



LOCAL EDUCATION OFFICE AGREEMENT



In the premises of Durres Port Authority, a meeting, focused on the signing of the Cooperation Agreement between APD and the Local Education Office of the City of Durres was signed on May 13th 2022.

The purpose of this agreement is to establish a cooperative relationship between two important institutions, stimulating the participation through informative, cultural and educational visits of students of the pre-university system to Durres Port, to get knowledge about the territory of the Port, the main terminals, as well as a general presentation of the port-maritime sector.



PORT TOURS



JAN KUKUZELI ART'S SCHOOL



1 MAJI KINDERGARDEN



QATAR COLLEGE



GREEN ELITE KINDERGARDEN



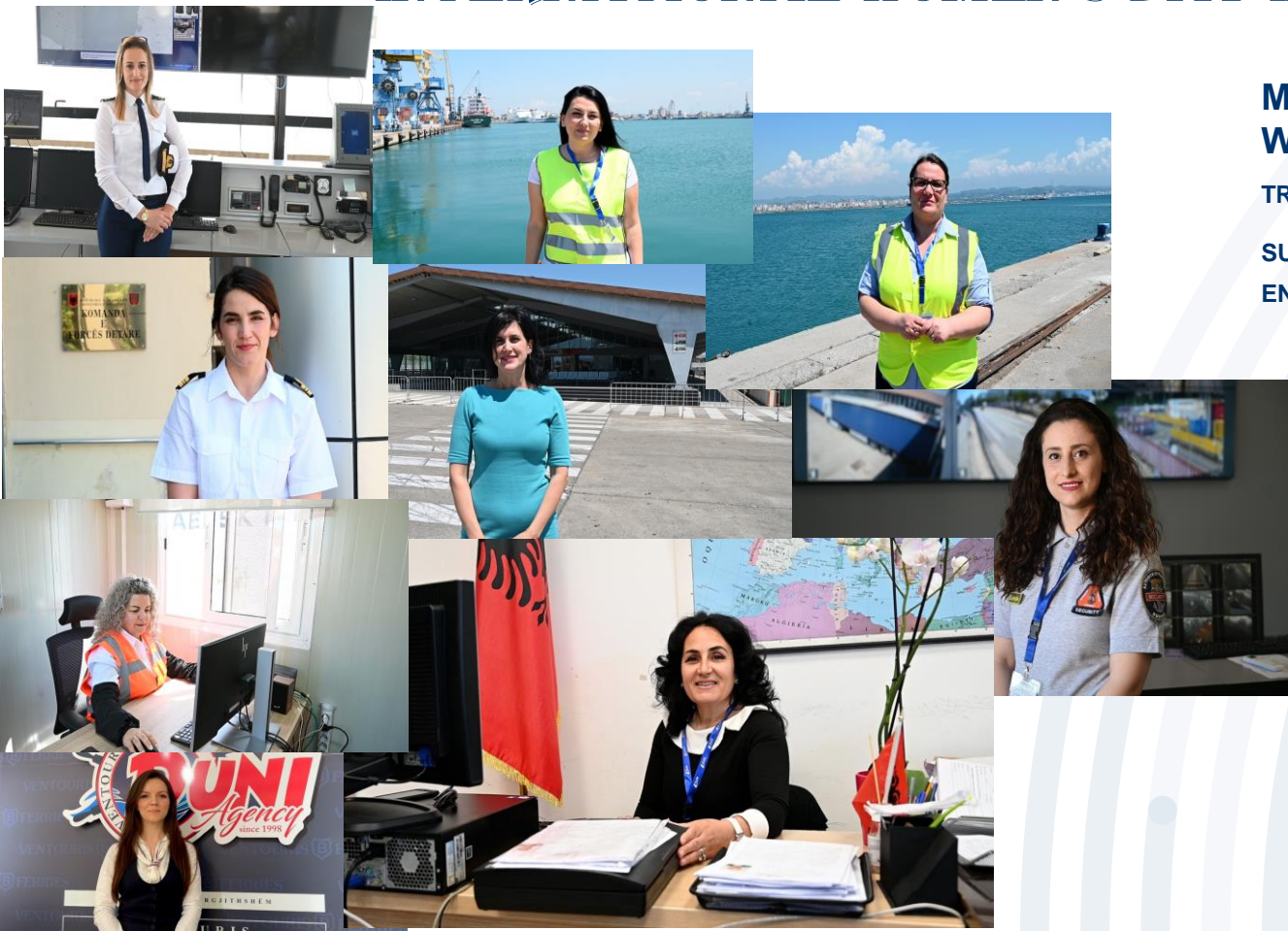
INTERNATIONAL WOMEN'S DAY IN MARITIME

**MAY 18TH, "INTERNATIONAL
WOMEN'S DAY IN MARITIME"**

TRAINING-VISIBILITY-RECOGNITION

**SUPPORTING A BARRIER-FREE WORKING
ENVIRONMENT FOR WOMEN IN MARITIME**

On May 18th CEMA joined the IMO initiative to celebrate International Women's Day in Maritime, supporting the barrier-free work of women in the maritime sector and encouraging them to increase their number in all maritime professions.



TRANSPORT, HANDLING AND STORAGE OF DANGEROUS GOODS IN DURRES PORT

- **Dangerous Goods** are substances which may be capable of causing harm to people, property and the environment because of their hazardous properties. In port areas these kinds of cargo need to be carefully controlled to ensure the safety and security of the port, of all persons in or around the port, and the protection of the environment.
- According to the **International Maritime Dangerous Goods Code (IMDG Code)**, *“Carriage of dangerous goods by sea is regulated in order reasonably to prevent injury to persons or damage to ships and their cargoes. Carriage of marine pollutants is primarily regulated to prevent harm to the marine environment. The objective of the IMDG Code is to enhance the safe carriage of dangerous goods while facilitating the free unrestricted movement of such goods”*.
- Maritime transport in Albania is carried out in the four main Albanian state ports, Durrës Port Authority, Vlorë Sea Port, Shëngjini Sea Port, Sarandë Sea Port, the private port Multy Buoy Mooring Terminal (MBM) as well as fuel ports Romano-Port and Petrolifera Port.
- According to the data we have, Durrës Port Authority, the fuel ports in Romano-Port and Petrolifera Port, are ports that process dangerous goods according to the IMDG CODE classification.

With the decision no. 16 dated 23.12.2021, the Governing Council of Durres Port Authority approved the Regulation for the Processing of Dangerous Goods in the Port of Durres.

The approved regulation determines the way of processing dangerous goods, loading and unloading dangerous goods, supporting documents accompanying the handling of dangerous goods as well as supervision of the implementation of protective and security measures.

The implementation of this regulation will be carried out by

- Port Authority,
- Ship Captain,
- Port/Terminal Operator,
- Port Security Forces,
- Maritime and Forwarding Agencies,
- Shippers and Cargo Receivers.

The regulation of the processing of dangerous goods anticipates in its content 3 chapters that provide:

General Safety
Rules regarding
dangerous cargo
in the Port of
Durrës.

Special Security
Rules regarding
Dangerous Goods.

Technical Safety
Rules for tankers
with oil cargo.

Durrës Port Authority, in accordance with its mission to provide port facilities and services, is committed to providing a safe system for the transport and processing of dangerous goods within the port area, with the objective of:

1. Implementation of national and international legislation for the transport of dangerous goods
2. Informing and instructing all agents, Port users and employees of responsible structures in the processing of dangerous goods.
3. Documentation of the entire process of processing dangerous cargo.
4. Equipping all employees who deal with dangerous goods with safety equipment, where required, and training of their use.

As mentioned above, the approved regulation is a very good document for the entire process of processing dangerous goods.

However, this process in reality presents some shortcomings that are mainly related to the need

A. PERSONAL TRAINING AND QUALIFICATIONS

- Training for the authorized persons who will have to understand, read and apply the data contained in the documentation that is delivered by the ship that comes to be processed in the port.
- Training for authorized persons who will have to understand and apply the security measures for containers or goods that are processed and classified according to the IMDG CODE (ANNEX 1).
- Trainings and certifications for the employees of the PMNZSH Department, of Durres Port Authority, who are important actors in case of accidents or negligence.

B. RECORDS OF DATA AND EVIDENCE OF DANGEROUS GOODS PROCESSING

- There is an obvious lack of data records on goods, volumes as well as other necessary data on dangerous goods. The container terminal, which is the only terminal that can have dangerous cargo, only after the approval of the regulation, did it start to keep data and evidence on the processing of these goods.

In the transport of dangerous goods it is essential to have complete and accurate data. This requirement was highlighted since 2018 by the European Maritime Safety Agency (EMSA) which published the Guidelines for Hazmat reporting in SafeSeaNet. The recommendations of this guidance aim to have the quality and accuracy of the transmission of information/reports on dangerous goods and/or pollutants on the SafeSeaNet computer system harmonizing these reports within the member states.

ANALYSIS REGARDING THE COMPLETE LEGAL FRAMEWORK THAT ALBANIA SHOULD IMPLEMENT IN CONNECTION WITH THE TRANSPORTATION OF DANGEROUS GOODS, PURSUANT TO THE LEGAL FRAMEWORK OF EU.

The legal framework on which the regulation of the processing of dangerous goods was drawn up includes:

- The international code of marine dangerous goods IMDG CODE.
- Law no. 9504, dated 03.04.2006 "On the accession of the Republic of Albania to the United Nations convention "On the transport of goods by sea" (Hamburg Rules).
- Law no. 9251, dated 08.09.2003 "On Durres Port Authority"
- Law no. 168/2013 "On safety on ships and in ports"
- Law no. 118/2012 "On the transport of dangerous goods"
- The regulation for strengthening the security on ships and in the open ports of the Republic of Albania, approved by order no. 85, date 11.06.2015 of MTI.
- The security plan of Durres port;

The regulation for Bunkering service, approved by Order No. 27, dated 26.02.2019 of the General Maritime Directorate.

With regard to the above, it is required an analysis concerning the legal framework applicable to the transport of dangerous goods.

CONCLUSION

1. Employees involved indirectly or directly in the process of processing dangerous goods must be trained on the national-international legal and administrative acts that determine the way of processing dangerous goods, the loading and unloading of dangerous goods, the supporting documents that accompany the handling of dangerous goods as well as the supervision of the implementation of protective and security measures.
2. The infrastructural developments of the new Port in Porto-Romane, the incorporation of the Hydrocarbon Port and the creation of a large and new logistics center dictate the need to take measures to increase human capacities in relation to the transport of dangerous goods, the recognition of safety systems and plans, as well as the increase and strengthening of structures that intervene in cases of accidents and disasters.
3. The Center of Excellence for Maritime Affairs has in its training program a training curriculum "Processing of Dangerous Goods", which we have not developed because we need to train a center trainer ("train the trainer") but in way to develop this professional course.
4. Guidelines for transport of dangerous good in Western Balkans suggest that we shall also include maritime transport as the main means of transport, and TC shall assist maritime institutions in the development of the legal framework in accordance with the EU acquis, as well as the increase of human capacities included in this process.

5. The fire department in Durres Portal Authority is a unit of immediate intervention in case of fire and various emergencies not only for the port area, but also at the service of fire and emergencies in the entire area of the city of Durres. Therefore, it is important that the employees of this department receive the necessary training for cases of intervention on land and at sea, as well as their provision with the necessary tools and equipment required during work.

6. It is necessary to make an analysis of the legal acts that Albania has currently approved regarding the processing of dangerous goods, and what is the legal-administrative framework that is applied in the ports of Europe, Lacks and Needs.

7. Centre of Excellence of Maritime Affairs (CEMA) part of Durrës Port Authority has received the request from the Firefighting Unit (DPA) on their needs for machinery, equipment, system, firefighter and rescue ship, etc, also they have present the needs on staff training and on the exchanging of experiences with other Firefighting unit of European ports/countries.

We think that a twinning project on supporting the port fire risk-how to maximise safety – how to manage the fire on the terminals etc. will help this unit to develop professionally. Another important fact is, that our staff and tools of this unit worked in support of the Firefight department in the municipality of Durrës .

ANNEX 1

Classification

In keeping with the IMDG Code dangerous goods are classified and categorized according to specific characteristics and their risks value.

The Table 1 below describes the classes and categories.

●	Class	Dangerous Goods	Classification
●	Class 1	Explosives	Explosives
●	Class 2	Gases	Gasses, compressed, liquefied or dissolved under pressure
●	Class 3	Flammable liquid	Flammable liquids
●	Class 4.1	Flammable solids	Flammable solids
●	Class 4.2	Spontaneously combustible substance	
●	Class 4.3	Substance which emits flammable gas in contact with water	
●	Class 5.1	Oxidizers and organic peroxides	Oxidizing substances
●	Class 5.2	Organic peroxides	
●	Class 6.1	Toxic and infectious substances	Toxic Substance
●	Class 6.2	Infectious substances	
●	Class 7	Radioactive materials	Radioactive substance
●	Class 8	Corrosive substances	Corrosive substance
●	Class 9	Miscellaneous dangerous	Miscellaneous dangerous substances

TRAINING COURSE ON DANGEROUS GOODS (IMDG) / TRAINING PROGRAMM OFFERED BY CENTRE OF EXCELLENCE FOR MARTIME AFFAIRS.

Level/ Qualification : Level I Course : Knowledge on dangerous goods (IMDG)

General objectives of qualification

A Theoretical-practical course, pursuant to the IMO model 1.10 for the IMDG Code of SOLAS 74 Convention amended, which aims to familiarize the trainees with dangerous goods, definitions, classes, processing procedures, stacking, packaging, symbols, special transport case of some dangerous goods. Furthermore, the trainees will be able to perform response procedures in the event of an incident with dangerous goods, how to provide first aid when the human body comes into contact with them. This course is a specific qualification in the professional career of working in terminals.

Expectations :

Upon successful completion of this course, students will be able to:

- To identify nine classes of dangerous goods, their divisions and groups of packages
- To describe primary, secondary hazards and marine pollutants;
- To Distinguish and correctly interpret the markings and labeling of dangerous packaged goods;
- To complete the documentation of dangerous goods for transport;
- To describe the procedures for the acceptance and storage of dangerous goods;
- To describe the actions for stacking and separation of dangerous goods packed in the transport unit;
- To describe the legal requirements regarding the processing of dangerous goods;
- To carry out response procedures in emergency situations including fire and spillage of dangerous goods

Prerequisites :

- To be able and healthy for working processes in the port;
- To be over 21 years old;
- To have finished secondary education;
- To have basic knowledge of the English language

Code/ Number/ Level in the structure of national professional qualifications:

Duration : 65 lessons ; (1 lesson = 60 minutes)

Course content (knowledge, expressions and attitudes)

No.Topics/ ModulesDuration

- 1.Classification of dangerous goods 7 hours
- 2.Control of dangerous goods packaging 7 hours
- 3.Marking, labeling, placards and documentation of dangerous goods 7 hours
- 4.Stacking and separation of dangerous goods 7 hours
- 5.Packaging of dangerous goods in the transport unit 6 hours
- 6.Processing of transport units when they have dangerous goods. Tools and equipment used. 8 hours

The project of Durres Port Authority under IPA PROGRAMMES.

Currently, the Project Coordination Unit is developing two projects of the IPA CBC program:

1. EPHYNTIS
2. LASTING

This month, with the opening of calls, are made three new applications:

1. RENEWPORT
2. TREASURE
3. SeaPORT

THANK YOU FOR YOUR ATTENTION!