



EU SHIPSAN ACT JOINT ACTION

Best practices in implementing the International Health Regulation, IHR 2018

Athens, June 7th 2018

Dr. Miguel Dávila-Cornejo
Head of the Health Control Unit
Ministry of Health, Social Services and Equality, Spain

EU SHIPSAN ACT Joint Action Context

Maritime transport

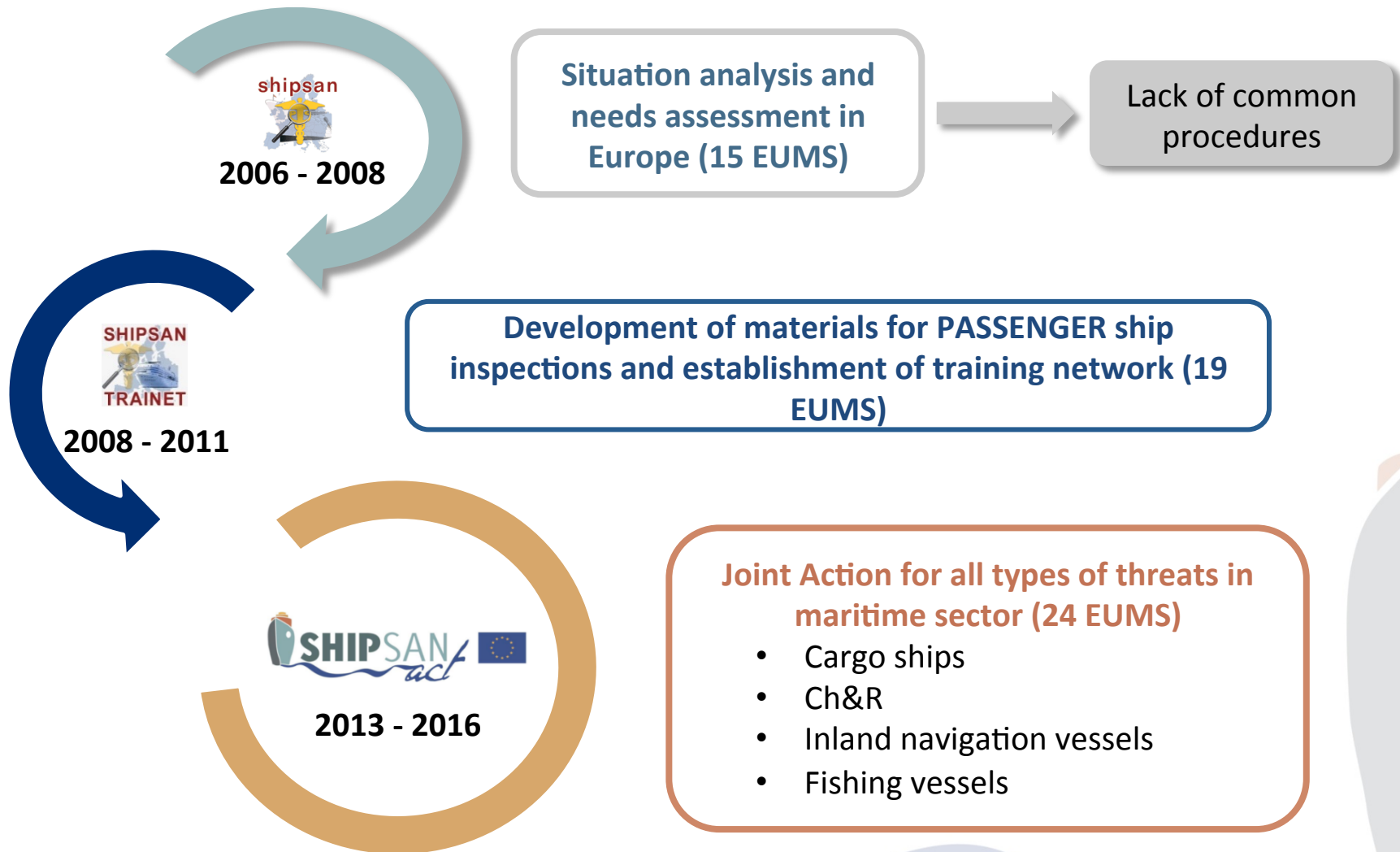
- Ships move from country to country
- Trans-national transmission of diseases and vectors
- CBRN agents release on ships
- Lack of guidance when facing nuclear accidents (Japan)
- Passenger ships – floating communities

Public health events on ships

- GI outbreaks
- Varicella outbreaks in crew
- Respiratory outbreaks
- Legionnaires' disease
- Tuberculosis
- Meningitis outbreaks
- Measles outbreaks

Health threats on ships need to be addressed based on common standards

EU SHIPSAN ACT Joint Action History

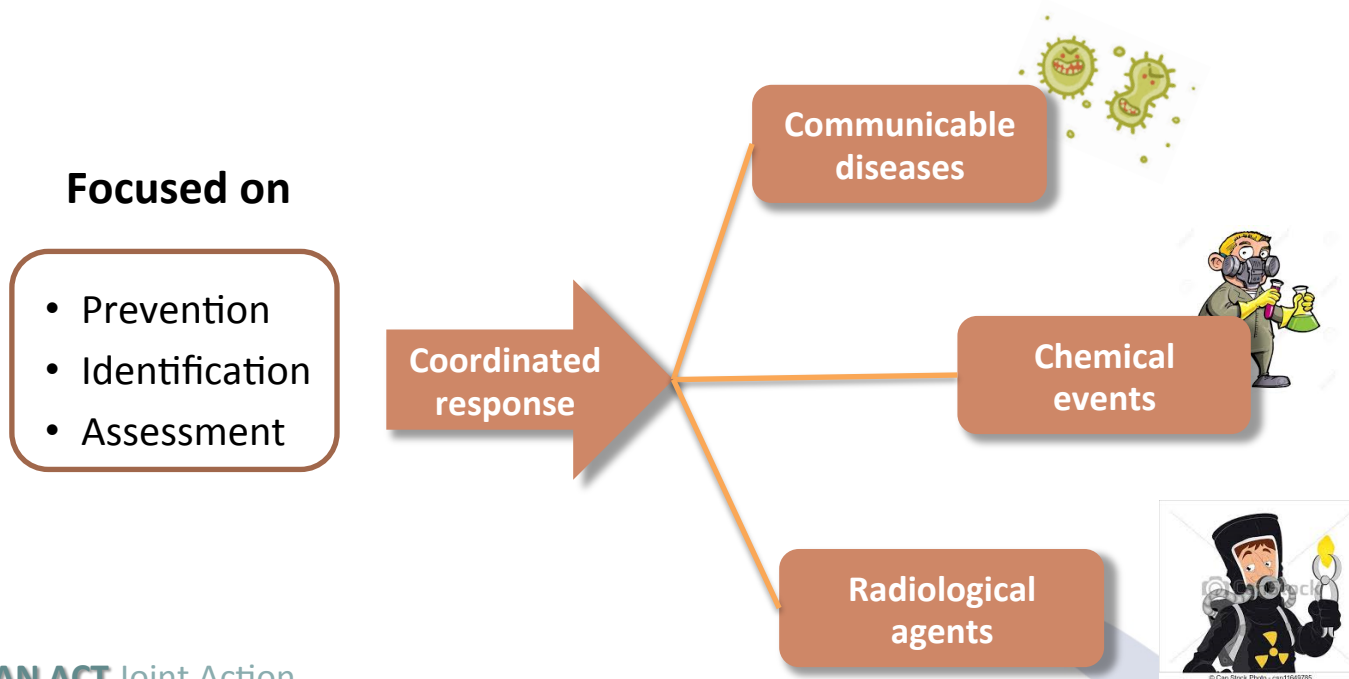


EU SHIPSAN ACT Joint Action

The objective



1. To develop a strategy for safeguarding the health of travellers and crew of ships and preventing the cross-border spread of diseases.
2. To facilitate the implementation of legislation:
 - Decision Nº 1082/2013/EU on serious cross-border threats to health
 - WHO International Health Regulations-2005



EU SHIPSAN ACT Joint Action

The partnership

33 institutions from **26** countries have participated in the project

1. Austria
2. Belgium
3. Bulgaria
4. Croatia
5. Cyprus
6. Denmark
7. Estonia
8. France
9. Germany
10. Greece
11. Iceland
12. Ireland
13. Italy
14. Lithuania
15. Malta
16. Netherlands
17. Norway
18. Poland
19. Portugal
20. Romania
21. Slovakia
22. Slovenia
23. Spain
24. United Kingdom

Advisory Board

- DG SANCO
- CHAFEA
- ECDC
- WHO
- CDC-VSP

• General Assembly

- Coordination group
- Sustainability working group

2 Non EU collaborating partners

- Turkey Ministry of Health
- Taiwan CDC

EU SHIPSAN ACT Joint Action

The four pillars of EU SHIPSAN ACT

Research



State of the Art Report

Epidemiological studies

Guideline development



European Manual for Hygiene Standards and Communicable Diseases Control on passenger ships

Guidelines for chemical and radiological incidents on ships

Ad-hoc for PHEIC

Training



Face to face; European and national

E-learning

On the job

Program for the industry

Practice



Integrated Inspection Program for passenger ships

EU SHIPSAN ACT Information System (SIS)

Web-based risk assessment tool for cargo ships

EU SHIPSAN ACT Joint Action

Work package overview

WP1: Coordination (UTH, Greece)

WP2: Dissemination (UTH, Greece - APHA, UK)

WP3: Evaluation (MoH & Instituto Superiore di Sanita, Italy)

WP4:

State of the Art covering sea and inland water vessels

WP leader:
National Institute of Public Health, Carlos III, **Spain**

WP5:

SHIPSAN ACT integrated inspection programme

WP leader:
University of Thessaly, **Greece**

WP6:

Chemical and radiological incidents on ships risk assessment and management

WP leader:
Public Health England, **UK**

WP7:

SHIPSAN ACT information system (SIS)

WP leader:
University of Thessaly, **Greece**

WP8:

Training

WP leader:
National Institute of Public Health, **Slovenia**

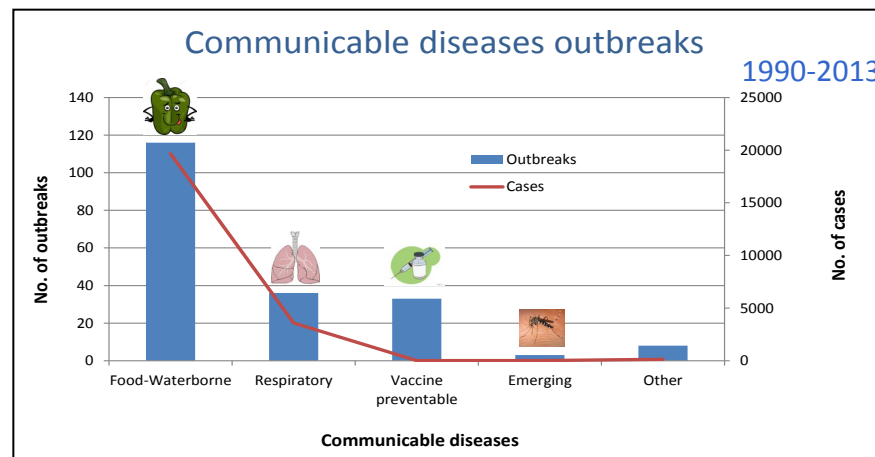
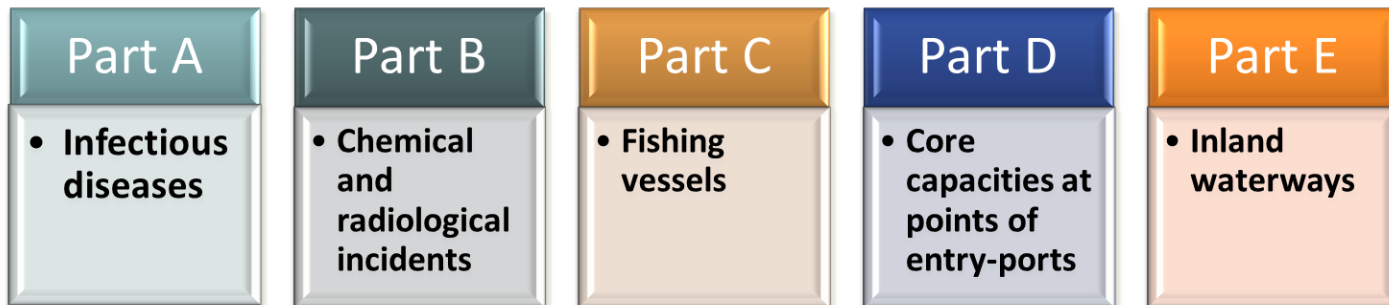
WP9:

Occupational health and hygiene in maritime transport

WP leader:
Institute for Occupational and Maritime Medicine, **Germany**
National Public Health Centre Klaipeda **Lithuania**

EU SHIPSAN ACT Joint Action Implementation strategies

State of the Art report



EU SHIPSAN ACT Joint Action Implementation strategies

Integrated Inspection Program (IIP)

- **European Manual** for Hygiene Standards and Communicable Disease Surveillance
- **New guidelines** on VPDs
- **Common inspection procedures**
- **Agreed annual EU inspection plan**
- **Inspectors competency**
- **Equipment** purchased

Target audience

- National central and port level authorities
- Passenger shipping industry



Benefits and added value

- Coordinated Passenger ship inspection program
- Inspections are conducted using common standards
- Improves harmonised inspection process across Europe
- Improves planning, preparedness and response at ports

EU SHIPSAN ACT Joint Action Implementation strategies

EU SHIPSAN ACT Information System (SIS)

SHIPSAN ACT SHIPSAN ACT Information System (SIS)
The impact on maritime transport of health threats due to biological, chemical and radiological agents, including communicable diseases

Register | Login

Home News

EU SHIPSAN ACT INFORMATION SYSTEM (SIS)

The **EU SHIPSAN ACT** is a European Joint Action funded by the European Commission under the Health Programme (2008-2013) where 32 partners from 24 European countries participate. The EU SHIPSAN ACT Joint Action deals with the impact on maritime transport of health threats due to biological, chemical and radiological agents, including communicable diseases and supports the implementation of International Health Regulations 2005.

EU SHIPSAN ACT Information System (SIS) consists of:

- a) Communication Network platform facilitating ship-to-port, port-to-port and port-to-national authority communication.
- b) Information system for recording and issuing Ship Sanitation Certificates under the International Health Regulations 2005 for all types of ships sailing in European Union.
- c) Database for recording inspections conducted according to the European Manual for Hygiene Standards and Communicable Disease Surveillance on Passenger Ships.

MEMBERS AREA

Username:

Password:

Security Code

WBrVF

Enter the code shown above in the box below

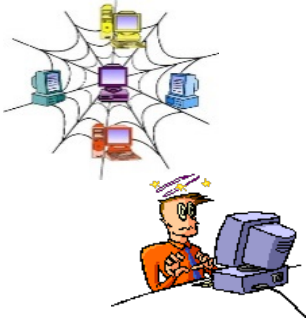
REGISTER

Register Online Registration Form for new **SSC Inspectors** (IHR 2005) [HERE](#).

REGISTRATION APPLIES ONLY FOR SSC Inspector (IHR 2005)
*Note: Once your application has been submitted, the SIS Administrator will be notified and your application will be subjected to a screening procedure. Your application will be evaluated and you will receive notification of your access to the SIS Platform.

<https://sis.shipsan.eu>

EU SHIPSAN ACT Joint Action Implementation strategies



SIS. 4 components

Communication platform

**Recording and issuing SSC
based on IHR**

**Recording SHIPSAN inspections
(IIP)**

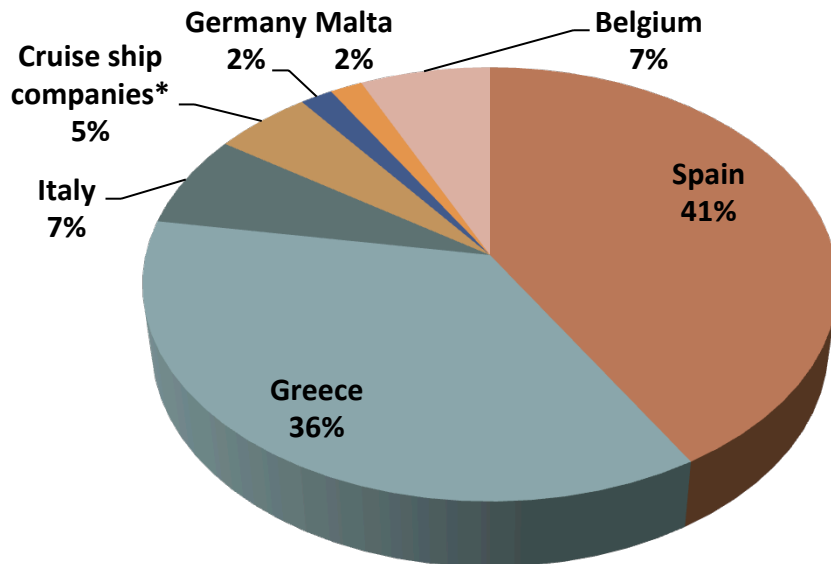
Storing the MDH

<https://sis.shipsan.eu>

EU SHIPSAN ACT Joint Action Implementation strategies

SIS. Communication platform

Countries per % of alerts created



Disease	Events	Ships	Number of cases
GI	23	19	2588
Varicella	3	3	11
Legionellosis	9	9	10
Measles	2	2	32
Dengue	1	1	1
Meningitis	3	3	6
TBC	7	7	7
Chickenpox	4	4	10
ILI	2	*1	66
Histamine intoxication due to tuna intake	1	1	34
Malaria	1	1	1
TOTAL	56	50	2766

EU SHIPSAN ACT Joint Action Implementation strategies

SIS. IHR SSCs

**364 registered inspectors on SIS in total,
from 20 EUMS and 3 non EUMS**

Type of certificate issued/extension	Number*
SSCEC	13802
SSCC	377
Extension	127
Pending status	116
Inspections without issuing certificate	192
Total	14614

EU SHIPSAN ACT Joint Action Implementation strategies

SIS. SHIPSAN inspections (IIP)

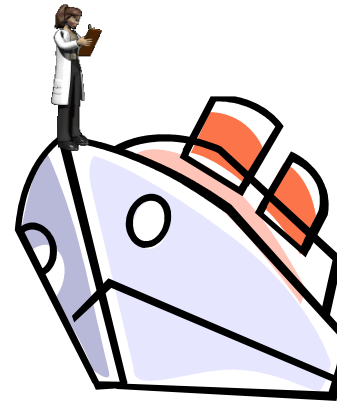
- ✓ 303 inspections (2011 - 2017)
- ✓ 102 inspectors have access to the database

Inspection outline: Medical facilities and communicable diseases surveillance

HORIZONTAL inspection items	
Housekeeping	Sanitation
Water supply	Waste management
Food safety	Medical facilities

Medical facilities

Measure	Test
Access	Review
Equip	Observe
Staff	



EU SHIPSAN ACT Joint Action Implementation strategies

SIS

Benefits and added value

- Event detection and response
- Facilitates risk assessment
- Sharing information avoiding duplication of actions
- Data analysis

EU SHIPSAN ACT Joint Action Implementation strategies

Training

To improve competencies of
PHO and crew

90 trainers from 20
countries

Face to face

European level:

5 courses, **136 PHO & 106** seafarers
trained



National level:

8 courses, **205 PHO** trained
2017: 2 additional courses after the end
of the joint action, **60 PHO** trained



EU SHIPSAN ACT Joint Action Implementation strategies

Training

E-learning synchronous & asynchronous

- 11 webinars 1300 enrolled
- E-learning training course for PHO
- E-learning training course for seafarers
- ONLINE Live Synchronous training course for the shipping industry: 17 participants

On the job

- 104 port health officers from 43 ports, 17 countries
- New focused inspections for training purposes

EU SHIPSAN ACT Joint Action Implementation strategies

Chemical and radiological incidents

Deliverables/Outcomes

- **Guidelines** on risk assessment and response to chemical/radiological events
- **Training material**
- **Table top exercise**
- **Training course**

Target audience

- National, central and port health authorities

Benefits and added value

- Support consistent planning, preparedness and response at ports, facilitating IHR implementation

EU SHIPSAN ACT Joint Action Implementation strategies

Occupational health

Deliverables / Outcomes

- Web-based risk assessment tool
- Training course
- Model MoU PHA-OHA
- Public Health Risks according to the type of ship
- Survey on the implementation of ILO 2006 Maritime Labor Convention

Target audience

- PHA & OHA
- Maritime industry

Benefits and added value

- Supports seafarers in developing and documenting risk assessments

EU SHIPSAN ACT Joint Action Implementation strategies

Expert public health advice



Preparedness of the maritime transport sector calling on plague endemic areas or areas with plague outbreaks, and options for public health measures in response to suspected plague affected ships



EU SHIPSAN ACT Joint Action - Agreement Number: 2012 2103

The impact on maritime transport of health threats due to biological, chemical and radiological agents, including communicable diseases

Interim guidance on maritime transport and Zika virus disease



EU SHIPSAN ACT Joint Action Implementation strategies

Expert public health advice

- Consultation on 2 Legionnaire's disease **outbreaks**
- Developed **Water Safety Plans** for 2 cruise ship companies
- Inquiry on **potable water for human consumption** from sea water in Japan through reverse osmosis and evaporator
- Request to monitor and participate in a **research protocol**
- Analysis of a cruise companies' data for **Gastrointestinal Illness**
- **Outbreak investigation** on cruise ship accommodating earthquake victims
- Advice in regards to **water microbiological testing**

EU SHIPSAN ACT Joint Action Implementation strategies

Dissemination of activities

The screenshot shows the SHIPSAN ACT website. The header includes the logo and the tagline: "The impact on maritime transport of health threats due to biological, chemical and radiological agents, including communicable diseases". The navigation menu includes: Home, About Us, Training, Inspections, Chemical Events, Inland Navigation, Fishing Vessels, Occupational Health, Publications. The main content area is divided into three columns. The left column has sections for "Read" (Key Resources), "Learn" (E-Learning), "Use" (SHIPSAN ACT Information System), "SHIPSAN VACANCIES", and "SHIPSAN Webinars". The middle column features the "EU SHIPSAN ACT Joint Action" title, a description of the action, and a list of activities from February 2013 to October 2016. The right column is titled "News and Events" and lists several conferences and newsletters.

50 national conferences

24 European events

11 International meetings

15 press releases

17 websites in 11 EUMS

www.shipsan.eu

EU SHIPSAN ACT Joint Action Implementation strategies

Dissemination of activities

Leaflets & banners

22 e-Newsletters

- ✓ 4 scientific publications
- ✓ 9 in progress



EU SHIPSAN ACT Joint Action Impact

National authorities

Endorsement of Manual and SIS in national legal framework (Circulars)

- **9 EUMS** (Belgium, Estonia, Greece, Germany, Malta, Spain, Cyprus, Lithuania, Slovakia)
- **8 EUMS in progress:** (Bulgaria, Croatia, Iceland, Ireland, Italy, the Netherlands, Romania, and Slovenia)

Training

- **8 training courses** in Bulgaria, Croatia, Greece, Ireland, Portugal, Slovenia, Spain, Nordic countries
- **205 Port Health Officers** trained

EU SHIPSAN ACT Joint Action Impact

Passenger ship industry

Advise to European cruise ship company to develop health and hygiene systems on 30 ships

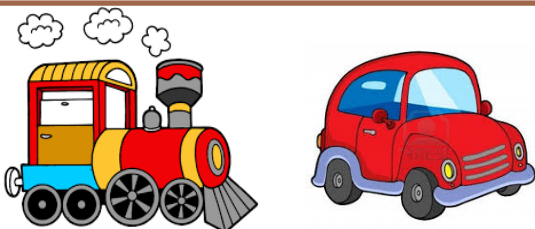
Training Program for the Passenger Shipping Industry

Manual used as training material from cruise ship companies



THE FUTURE

HEALTHY GATEWAYS



Health
promotion
at PoE and
means of
transport

Acknowledgements

Associated Partners

- Regional Health Inspection, Burgas, **Bulgaria**
- Regional Health Inspection, Varna, **Bulgaria**
- Institute for Occupational and Maritime Medicine, ZfAM, Hamburg State Department for Health and Consumer Protection, **Germany**
- Robert Koch-Institute, **Germany**
- Laboratory of Hygiene and Epidemiology, University of Thessaly, **Greece**
- National School of Public Health, **Greece**
- Directorate of Health, **Iceland**
- Health Service Executive, **Ireland**
- Ministry of Health, **Italy**
- Klaipeda Public Health Centre, **Lithuania**
- National Institute of Public Health, **Slovenia**
- National Institute of Public Health, Instituto de Salud Carlos III, **Spain**
- Association of Port Health Authorities, **United Kingdom**
- Public Health England, **United Kingdom**

Collaborating Partners

- Ministry of Health, **Austria**
- Federal Public Service of Health, Food Chain Safety and Environment, **Belgium**
- Ministry of Health and Social Welfare, **Croatia**
- Ministry of Health, **Cyprus**
- Centre of Maritime Health and Society, University of Southern, **Denmark**
- Health Board, Health Care Department, **Estonia**
- Ministry of Labour, Employment and Health, **France**
- Environmental Health Directorate, Port Health Services, **Malta**
- Municipal Health Services Rotterdam, **Netherlands**
- National Center for Hygiene and Safety (LCHV), RIVM, **Netherlands**
- Norwegian Directorate of Health, **Norway**
- Medical University of Gdansk, **Poland**
- Ministry of Health, **Portugal**
- Ministry of Health, **Romania**
- Ministry of Health, **Spain**
- Public Health Authority of the Ministry of Transport, **Slovakia**

Advisory board

- **DG SANTE**
- **CHAFEA**
- **ECDC**
- **WHO**
- **CDC-VSP**

EU agencies & projects

- **ECDC**
- **EU-OSHA**
- **AnNa project**
- **ECHEMNET project**
- **AIRSAN project**
- **MediPIET project**

Non-EU Collaborations

- Ministry of Health, **Turkey**
- Taiwan Centres for Disease Control, **Taiwan**

International organizations

- **WHO**
- **International Maritime Organization**

Maritime industry

- **Cruise Line Industry Association**
- **European Community Ship-owners Associations**

Thank you for your attention



Interim Collaborating Group Meeting & 1st General Assembly Meeting, Luxembourg, October 2014



Final Conference & 2nd General Assembly Meeting, Rhodes, Greece, September 2016

<https://www.facebook.com/shipsan.eu>



SHIPSAN ACT bimonthly e-
newsletter

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