



PRE-CONFERENCE Workshop on the Implementation of innovations in public health policy and practice under the auspices of EUPHA Conference

Strategic thinking across the EU through the eyes of SHIPSAN

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EU SHIPSAN ACT Joint Action

Context. Why SHIPSAN?

Maritime transport

- Ships move from country to country
- Trans-national transmission of diseases and vectors
- CBRN agents release on ships
- Passenger ships – floating communities

Public health issues on ships

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

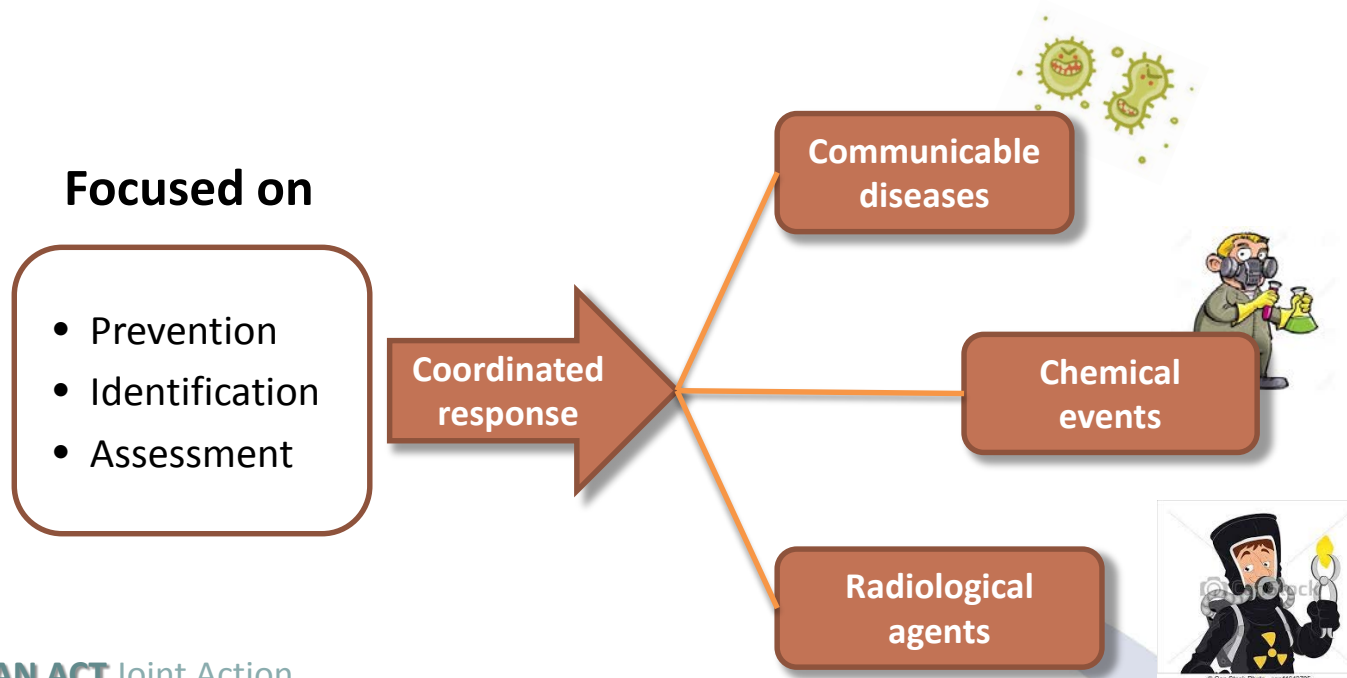
Health threats on ships need to be addressed based on common standards

EU SHIPSAN ACT Joint Action

Purpose and origins

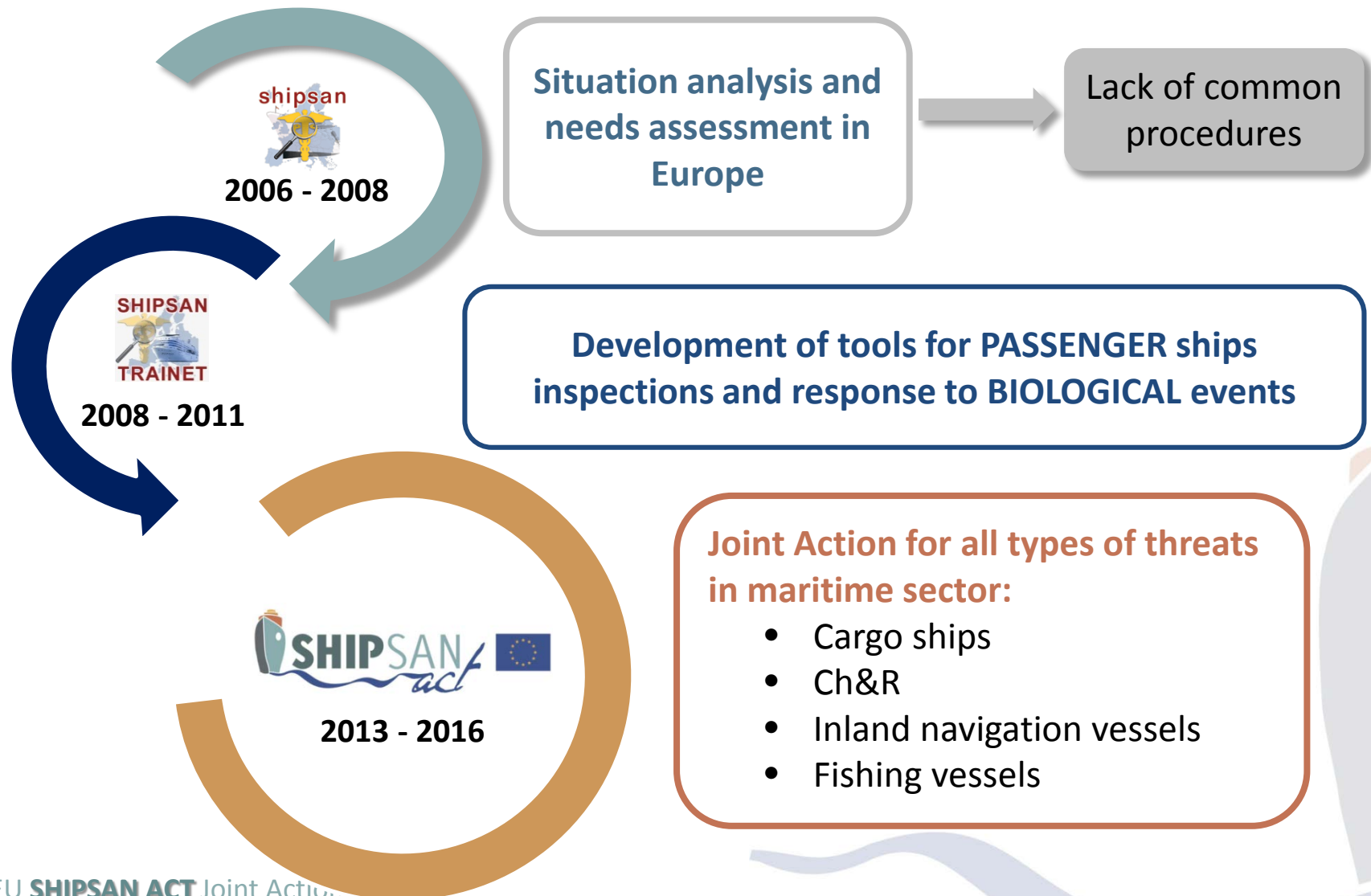


1. To develop a strategy for safeguarding the health of travelers and crew on ships and preventing cross-border spread of diseases.
2. To facilitate the implementation of legislation:
 - WHO International Health Regulations-2005
 - Decision N° 1082/2013/EU on serious cross-border threats to health



EU SHIPSAN ACT Joint Action

Purpose and origins



EU SHIPSAN ACT Joint Action

The partnership

33 institutions from **26** countries were designated by their Ministries of Health

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

Advisory Board

- DG SANCO
- CHAFAEA
- 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 implementation object

The four pillars of EU SHIPSAN ACT Joint Action

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 passengers
ships

EU SHIPSAN ACT
Information System
(SIS)

Web-based risk
assessment tool for
cargo ships

EU SHIPSAN ACT Joint Action

The implementation object

WP1: Coordination (UTH, Greece)

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

WP3: Evaluation (MoH & Istituto 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:

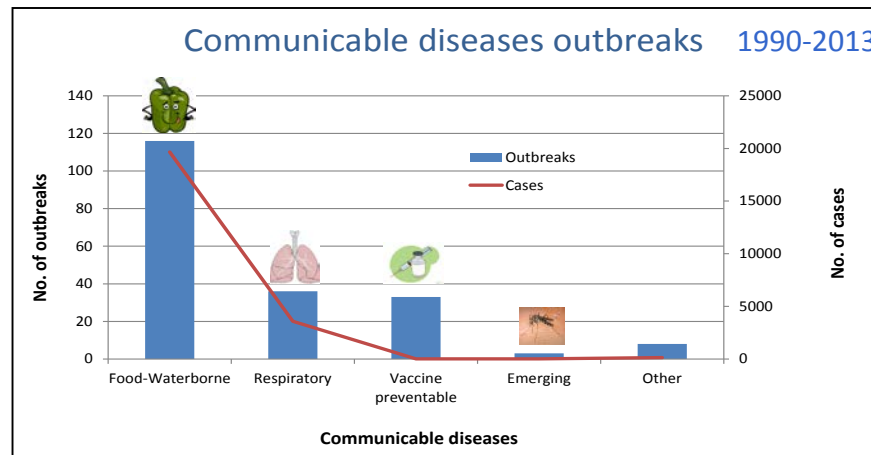
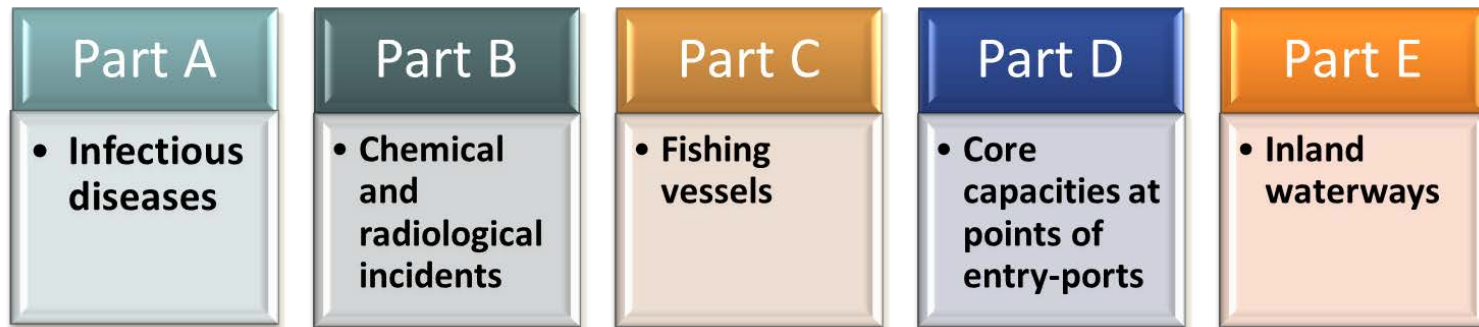
Institute for
Occupational
and Maritime
Medicine
(ZfAM),
Germany

National Public
Health Centre
Klaipeda
Department,
Lithuania

EU SHIPSAN ACT Joint Action

The implementation object

1.- State of the Art report



EU SHIPSAN ACT Joint Action

The implementation object

2.- Guideline development



European Manual:

- Common standards for ship inspections
- Guidelines to respond to PHE on board

Guidelines on risk assessment and response to chemical / radiological events

Benefits and added value

- Support planning, preparedness and response at ports

Ad-hoc Guidelines



Guidance on Zika virus disease on maritime transport



Ebola Virus Disease for maritime transport

Consultation

- Consultation on **infectious diseases**
- Development of **Water Safety Plans** for cruise ship companies
- Participation in **research protocols**
- **Outbreak investigation** on cruise ship

EU SHIPSAN ACT Joint Action

The implementation object

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

The implementation object

Integrated Inspection Program (IIP)

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

Target audience

- National central and port level authorities
- Passenger shipping industry



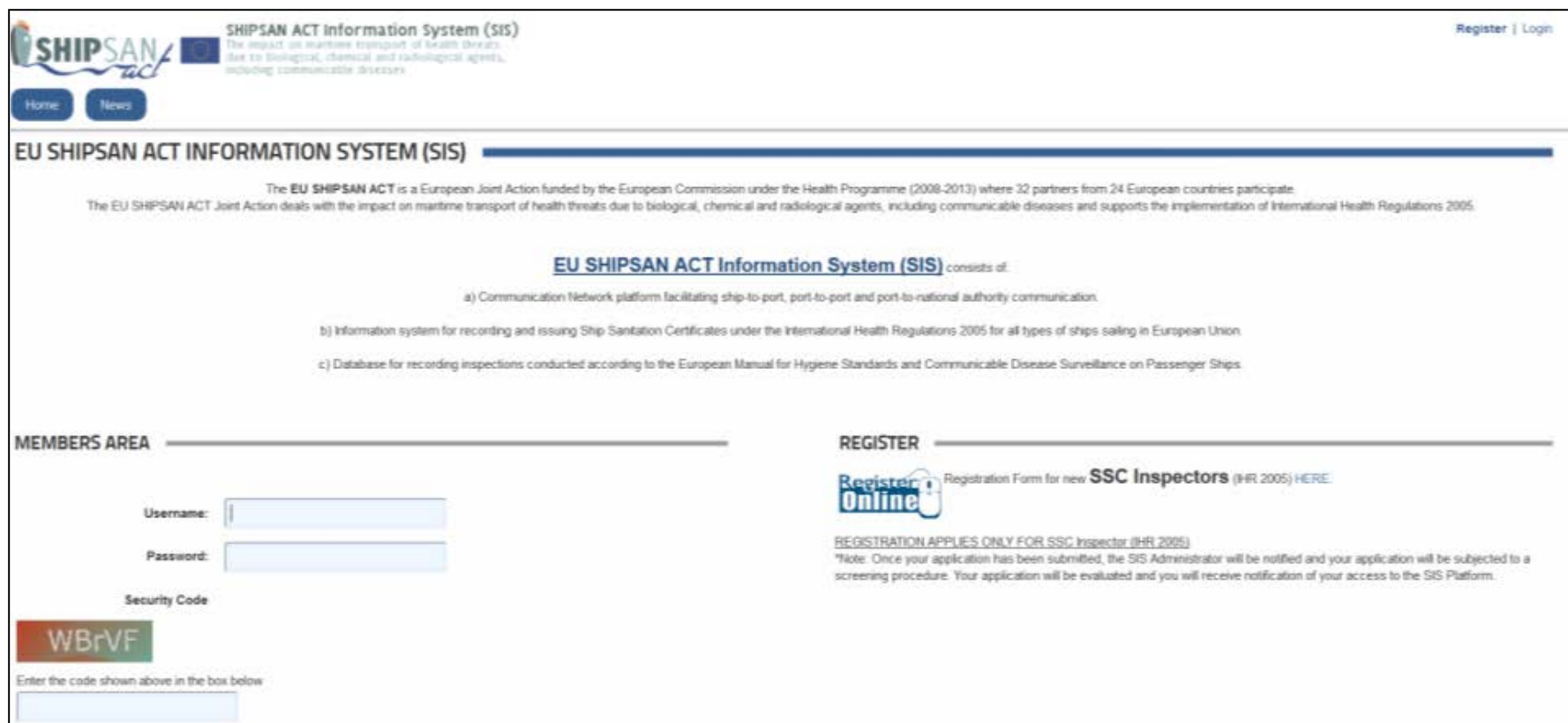
Benefits and added value

- 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

The implementation object

EU SHIPSAN ACT Information System (SIS)



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](#).

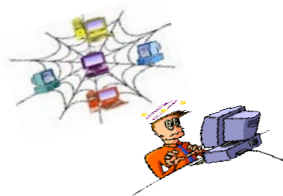
REGISTRATION APPLIES ONLY FOR SSC Inspector (IHR 2005)

*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

The implementation object



SIS. 4 components

Communication platform

**Recording and issuing SSC
based on IHR**

**Recording SHIPSAN
inspections (IIP)**

Storing the MDH

Benefits and added value

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

EU SHIPSAN ACT Joint Action

The implementation object

Training

To improve competencies
of PHO and crew

90 trainers from
20 countries

Face to face

European level

National level



E-learning

- 11 webinars 1300 enrolled
- E-learning training course for PHO
- E-learning training course for seafarers

EU SHIPSAN ACT Joint Action

The implementation object

Occupational health

Deliverables/Outcomes

- **Web-based risk assessment tool**
- Training course
- Model Memorandum of Understanding PHA-OHA.
- Public health risks according to the type of ship.
- Survey on the implementation of ILO 2006 Labour Convention

Target audience

- PHA & OHA
- Maritime industry

Benefits and added value

- Supports seafarers in developing and documenting risk assessments

The implementation object

Advice to international travelers



EU SHIPSAN ACT Joint Action

The implementation object

Dissemination of activities



The screenshot shows the homepage of the EU SHIPSAN ACT Joint Action website. The header includes the SHIPSAN ACT logo, the European Union flag, and the text "The impact on maritime transport of health threats due to biological, chemical and radiological agents, including communicable diseases". A navigation menu lists: Home, About Us, Training, Inspections, Chemical Events, Inland Navigation, Fishing Vessels, Occupational Health, and Publications. The main content area is titled "EU SHIPSAN ACT Joint Action" and describes the program as a European Joint Action funded by the European Commission under the Health Programme (2008-2013) with 33 partners from 24 European countries. It states the duration from February 2013 to October 2016. A section titled "Activities from February 2013 until October 2016" lists four main activities: 1. Produce a State of the Art report, 2. Bring a consistent and proportionate approach to ship inspections in compliance with European Union legislation and International Health Regulations, 3. Produce guidance on risk assessment and response to chemical/radiological events (accidental/deliberate release) on ships, and 4. Upgrade and run the SHIPSAN ACT Information System (SIS) consisting of: a) Communication Network platform and b) Information system for recording and issuing Ship Sanitation Certificates. The right sidebar contains "News and Events" including the 9th International Conference on Legionella (26 May 2017), a Public Health Conference (26 May 2017), and two issues of the EU SHIPSAN ACT JA Newsletter (26 May 2017 and 06 March 2017). The left sidebar has sections for "Read" (Key Resources), "Learn" (E-Learning), "Use" (Information System), "SHIPSAN VACANCIES", and "SHIPSAN Webinars".

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

The implementation object

Dissemination of activities

Leaflets & banners

22 e-Newsletters

- ✓ 4 scientific publications
- ✓ 9 in progress



EU SHIPSAN ACT Joint Action

Target population

**1.- Passengers on
cruise ships**



**2.- Crew
members**



3.- Inspectors



Indirect target: EU MS population



EU SHIPSAN ACT Joint Action Implementers

✓ **MEMBER STATES:**

- National and local authorities responsible for prevention and response to health threats related to maritime transport;
- The IHR authorized ports for SSC issuing;
- Maritime medicine professionals;
- Authorities responsible for security and customs.

✓ **EC bodies dealing with cross-border health threats**

✓ **Shipping industry** (cruise, inland, cargo and ferries)

EU SHIPSAN ACT Joint Action Implementation strategies

European legislation (Directive, Regulations, Decision...)

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

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

EU SHIPSAN ACT Joint Action

Impact, expected outcome

PHO, Inspectors

**Using the Manual to
inspect ships**



**Similar inspections in
Europe**

**Using the guidelines for
PHE on ships**



**Similar response to PHE in
Europe**

Using the SIS



**Sharing information, rapid
communication**

EU SHIPSAN ACT Joint Action

Impact, expected outcome

Shipping industry



Advise to companies to develop health and hygiene systems



Better health conditions on board

Training Program for the Industry



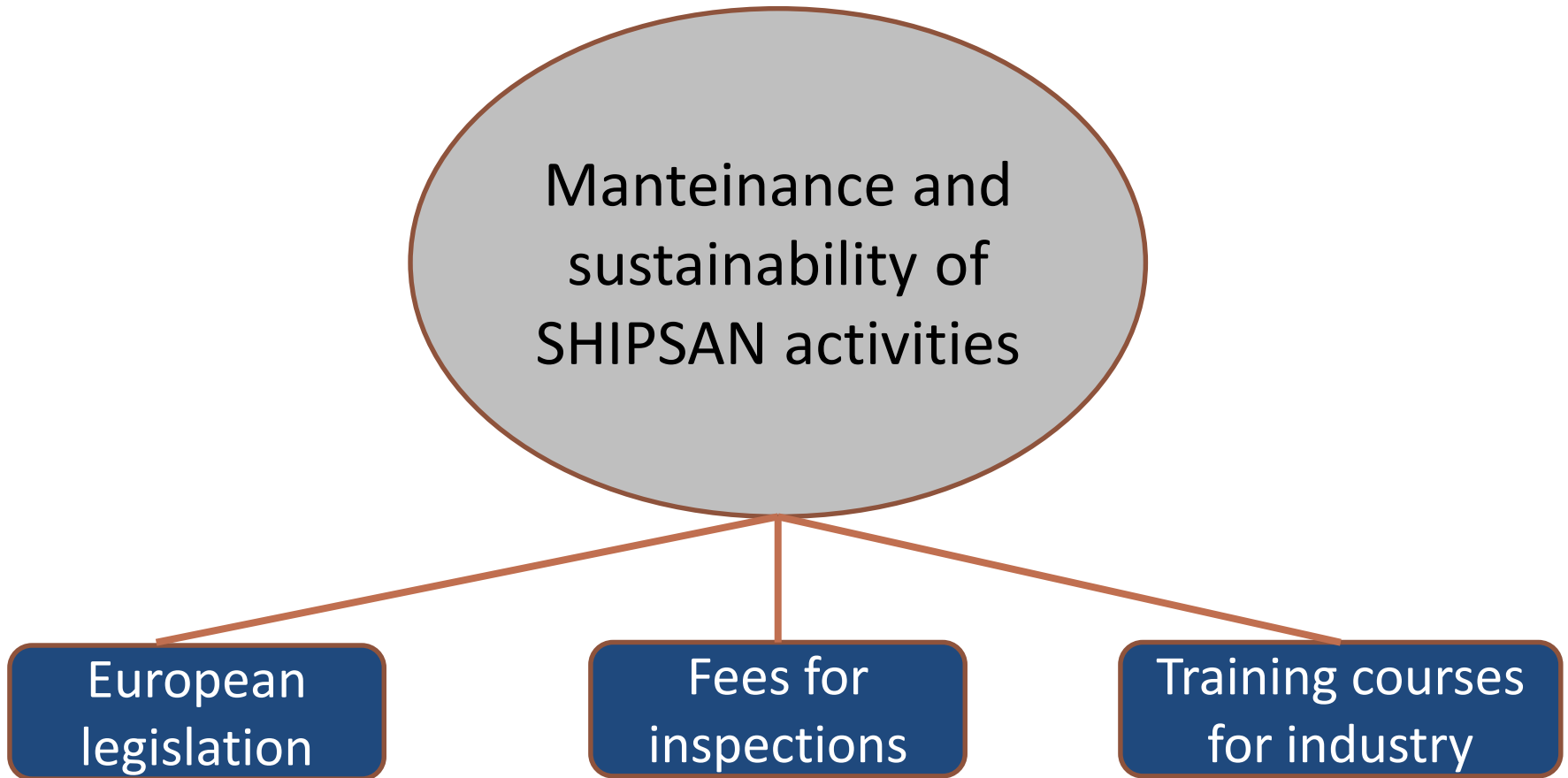
High level of knowledge and training

Manual used by cruise ships companies



Common standards, better prepared in advance

EU SHIPSAN ACT Joint Action Implementation challenge



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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