

# 5th meeting of Working Groups

Priority Area 1a of the Danube Region Strategy  
on Inland Waterways

Budapest | 20 November 2013



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# Ship Waste Management on the Danube



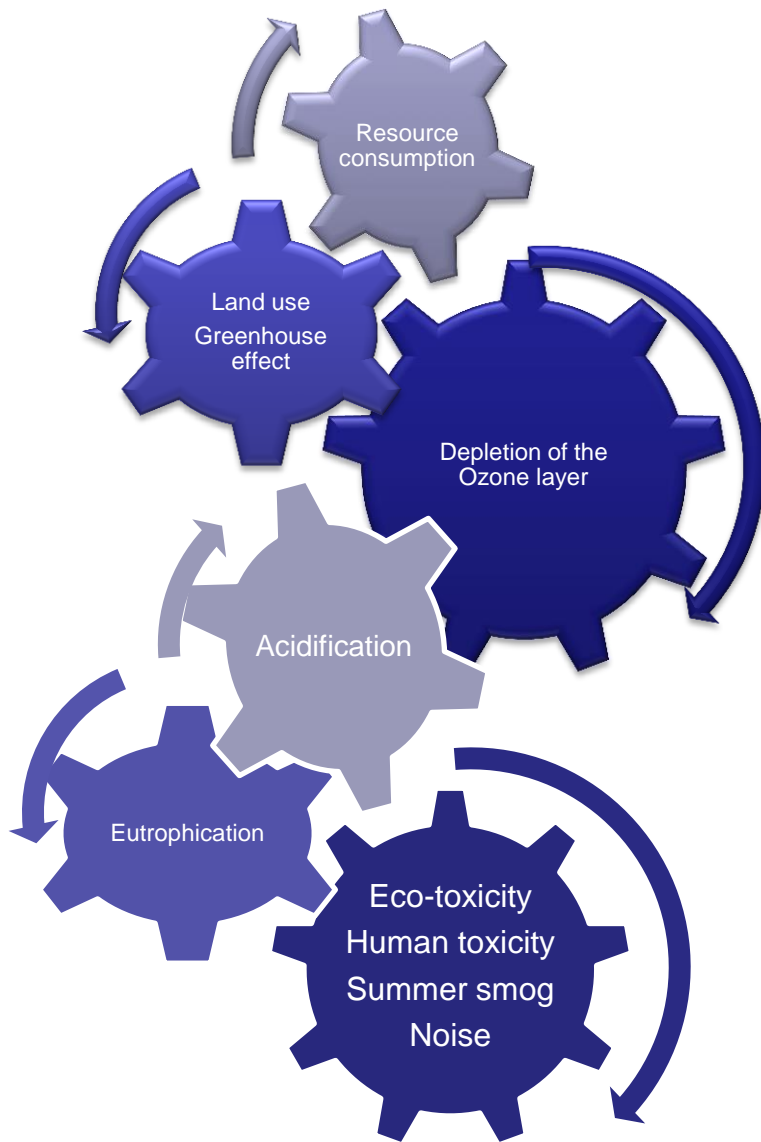
## 5th Working Group Meeting

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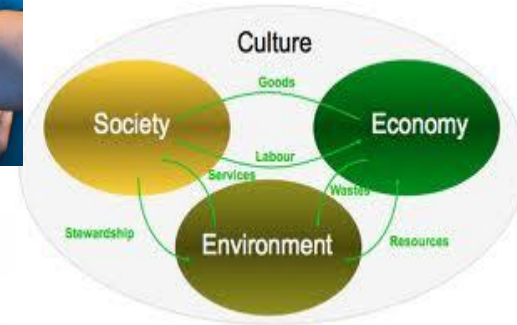
Hans Berger, Raluca Danila,  
Gyözö Simongáti

Budapest, 20.11.2013

Jointly for our common future

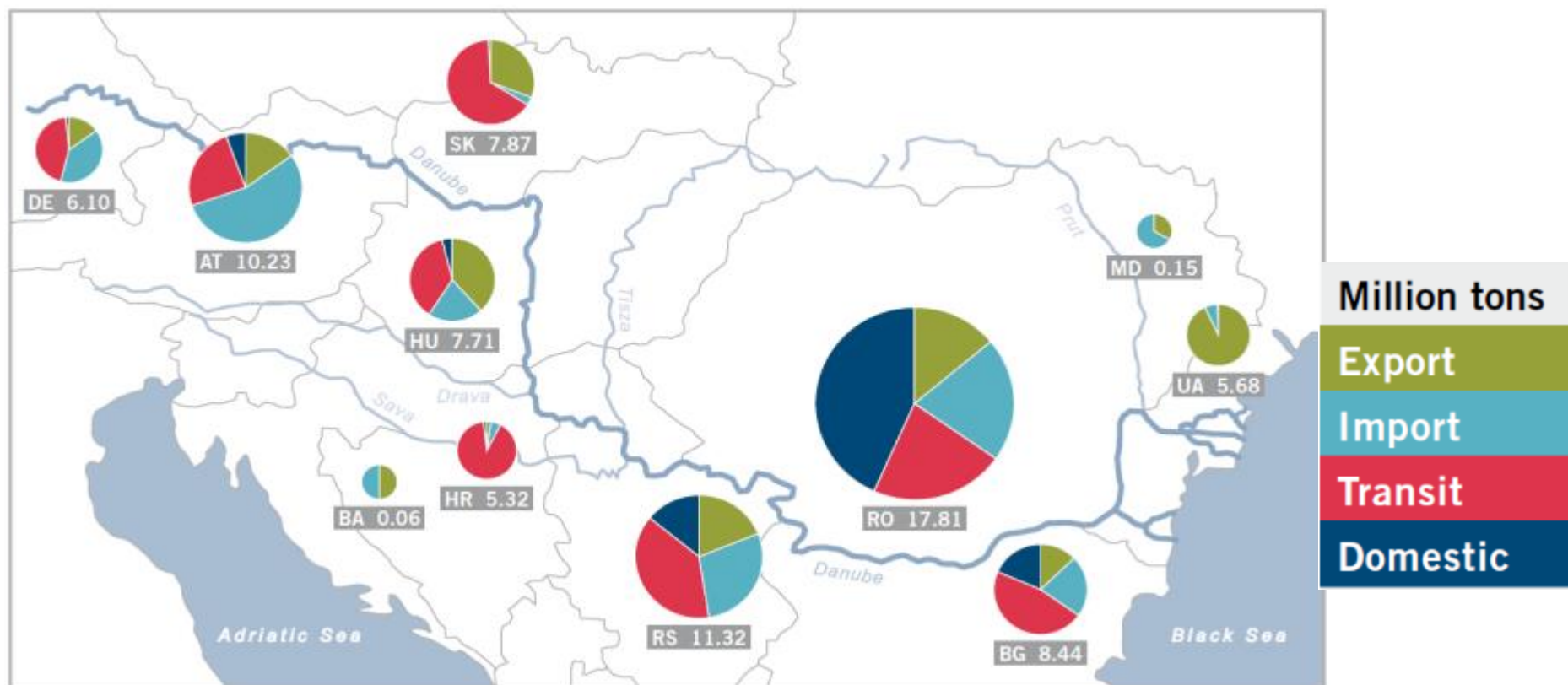


# THE TRANSPORT SYSTEM



# Ship Waste Management – why international coordination?

FREIGHT TRANSPORT IN MILLION TONS/YEAR

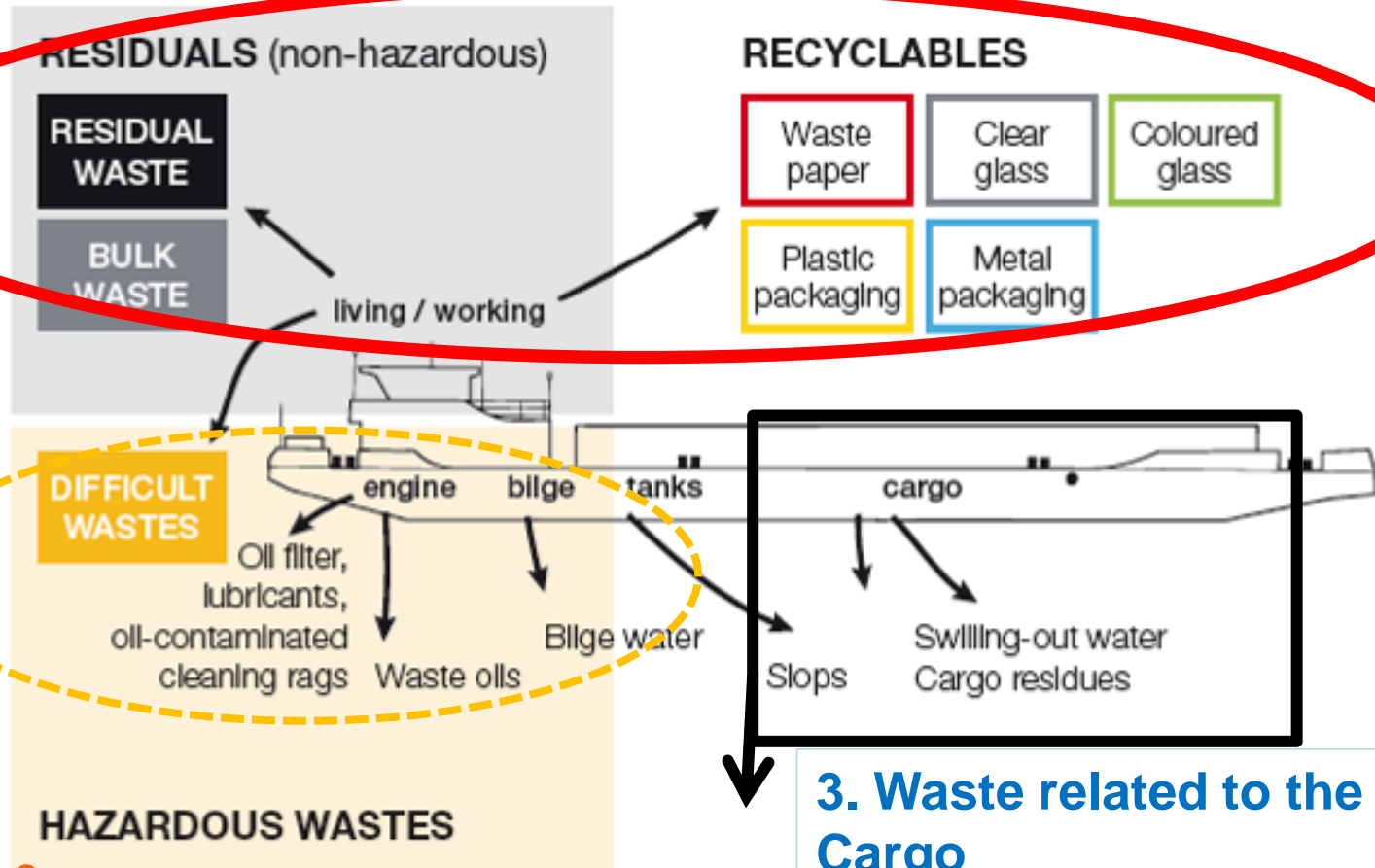


(via donau, Annual Report 2012)



# Waste caused by inland navigation

## 1. People onboard

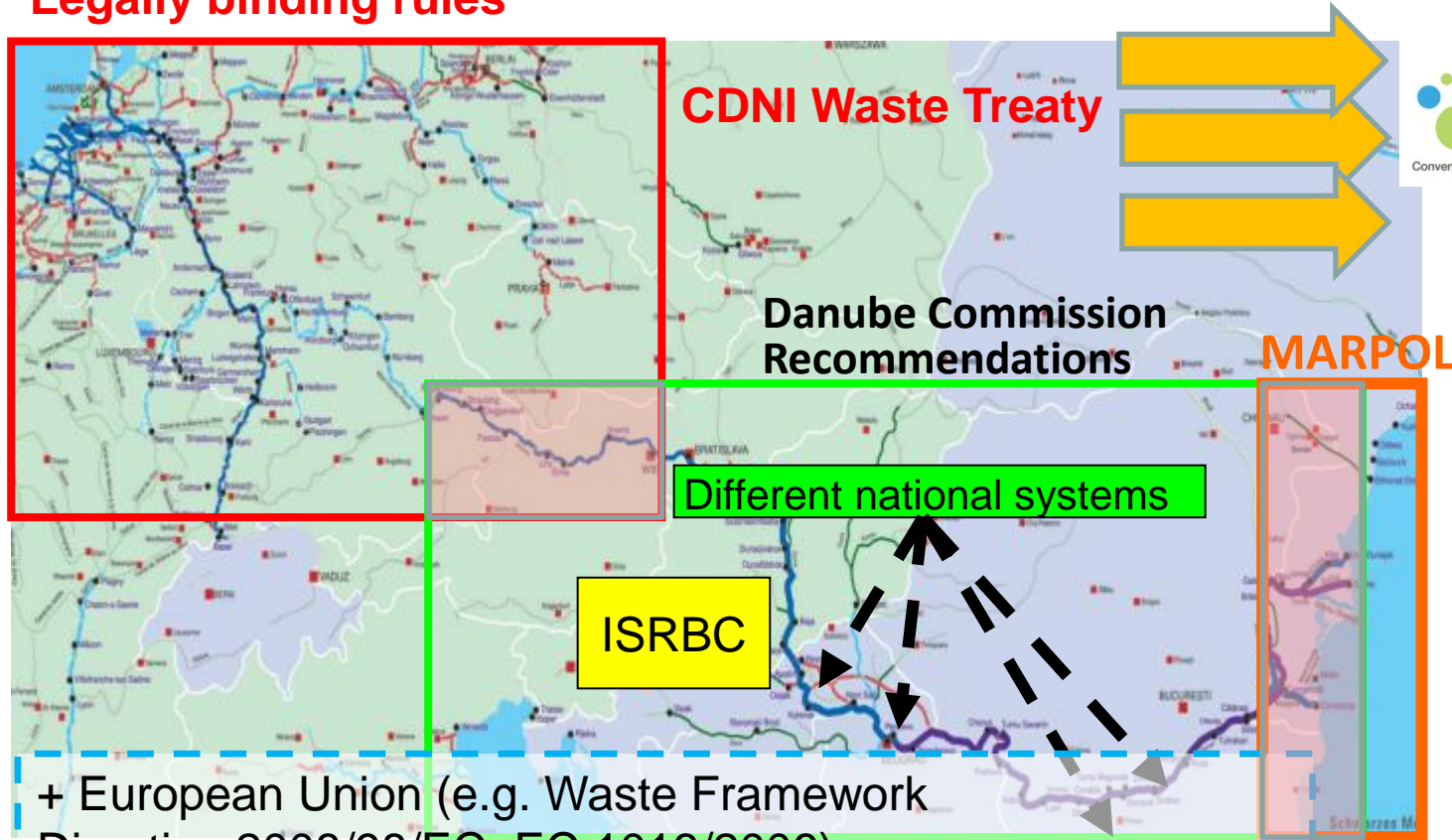


© via donau, Wastes generated on board cargo vessels



# Frame Conditions

## Legally binding rules



- + European Union (e.g. Waste Framework Directive 2008/98/EC, EC 1013/2006)
- + CEVNI\* Chapter 10
- \*CEVNI – Code Européen des Voies de la Navigation Intérieure - European Code for Inland Waterways
- + Basel Convention



The following **KEY FACTORS**  
shall be developed along the **DANUBE...**

**International  
Convention for ship  
waste management**

**User – friendly state of  
the art waste reception  
facilities**



**Harmonised  
approach for  
financing waste  
disposal services  
=Financing Model**

**Control  
Mechanisms**

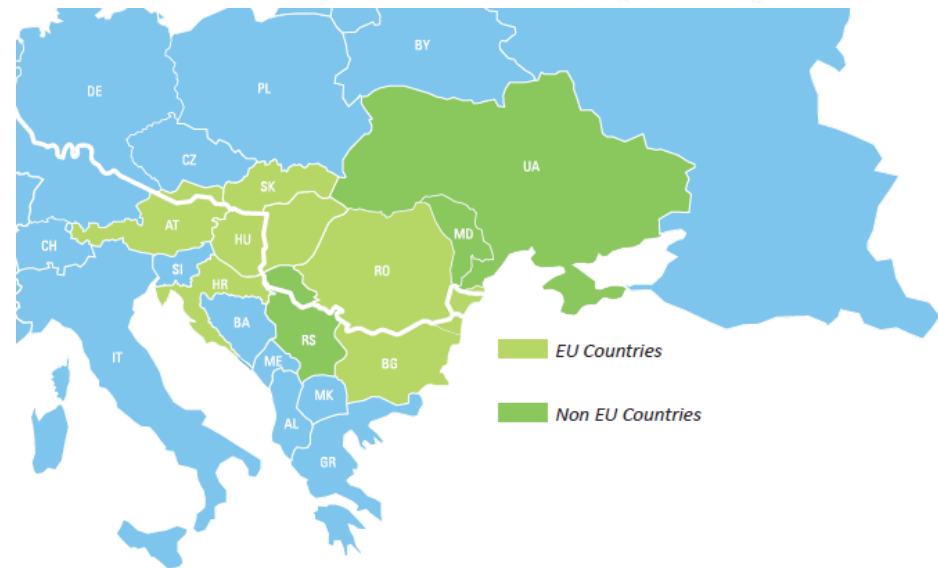


# CO-WANDA



## COvention for WAste management for inland Navigation on the DAnube

- **Run time: October 2012 – September 2014**
- **12 Partners** from AT, SK, HU, HR, RS, RO, BG, MD, Ukr
- ERDF, IPA, ENPI Funds
- Budget: 1.8 mio EUR
- **6 international Observers**



# Main Activities

- Advancement of running ship waste management systems



- Implementation of practical tests and pilot activities



- Development of an International Danube Ship Waste Convention



# CO-WANDA Pilot Actions

viadonau



4.1

Implementing  
Transnational  
Vignette System for  
Ship Waste Delivery



RIVER  
INFORMATION  
SERVICES **RIS**

4.2

Developing River  
Information  
Services for Ship  
Waste  
Management



4.3

Connecting  
Financing systems  
of Maritime  
Danube Ports to  
Danube IW System

← **International Danube Ship Waste Convention IDSWC** →

# Vignette Pilot

## 4.1

### Implementing Transnational Vignette System for Ship Waste Delivery



#### Main goals:

- to develop and test a harmonized vignette system
- to get practical experience of waste collection
- to get all kinds of data
- to increase awareness of the necessity of a harmonized legal and technical framework



# Electronic Vignette System

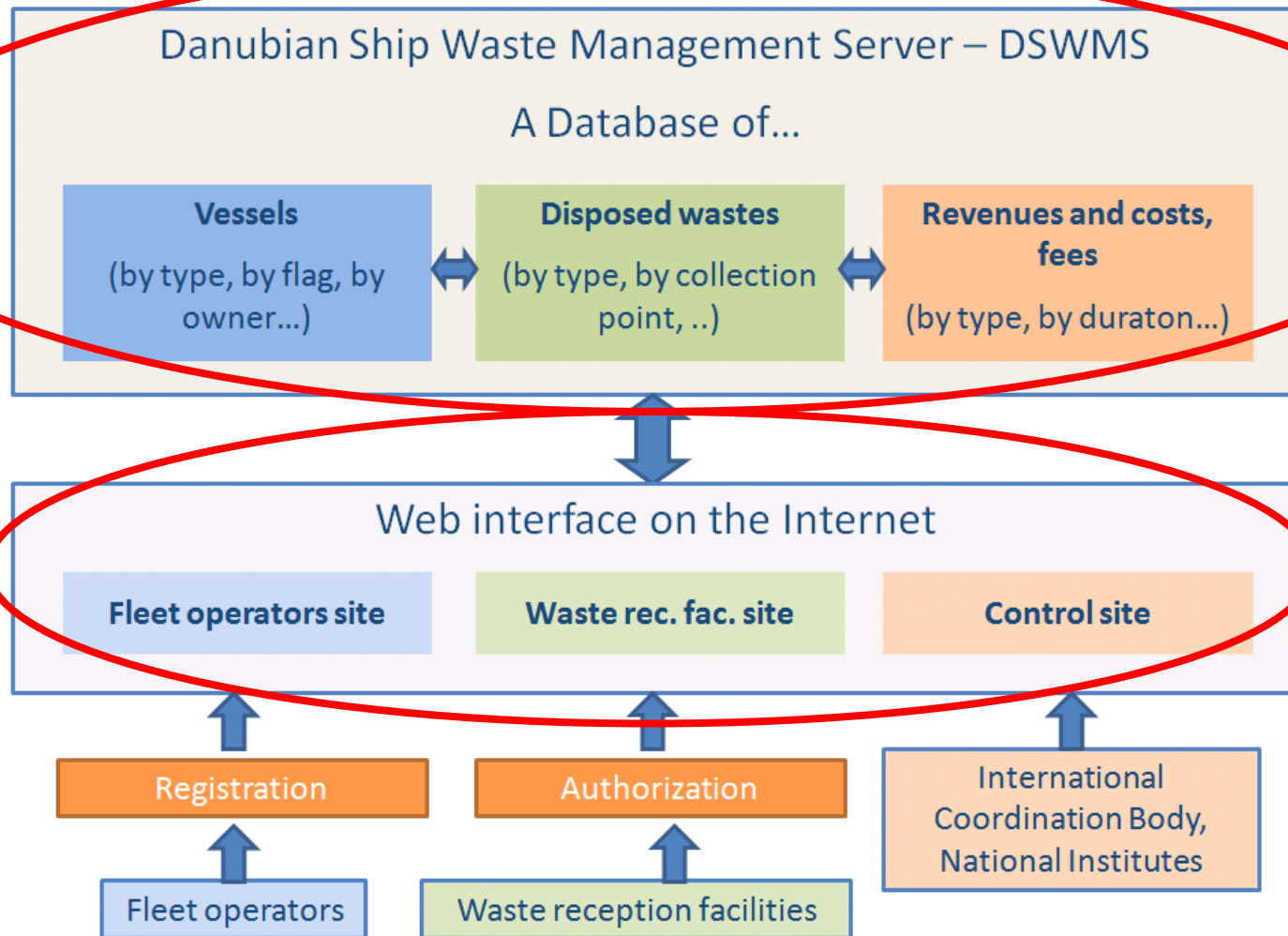
... a simple, cheap, up to date, easy-to-use solution that supports:

- vessels' registration
- virtual vignette distribution and checking
- electronic payment
- waste disposal reporting
- overall system management



# Electronic Vignette System

## The structure of EVS:



# Vignette Pilot



- Vessels, which register for a Vignette can dispose oily and greasy ship waste free of charge
- Waste Reception Facilities can check Vignettes, report collected amounts in an electronic system

## STATISTICS

- Summer 2013: Start of pilot action in RO, BG, HR, HU, SK, AT
- In 8 weeks, > 150 vessels registered for a vignette
- Collected waste amount in total:
  - Bilge water: > 400.000 l**
  - Waste oil: > 23.000 l**
  - Solid oily and greasy ship waste: > 2.000 kg**

# RIS Pilot

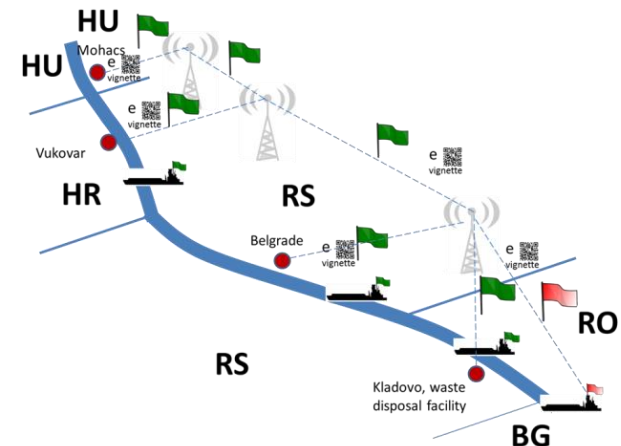
## 4.2

### Developing River Information Services for Ship Waste Management



#### Main goals:

- Pilot test the feasibility of RIS in supporting ship waste management procedures
- Provide input on how RIS services contribute to the elaboration and future implementation of the planned ship waste management system

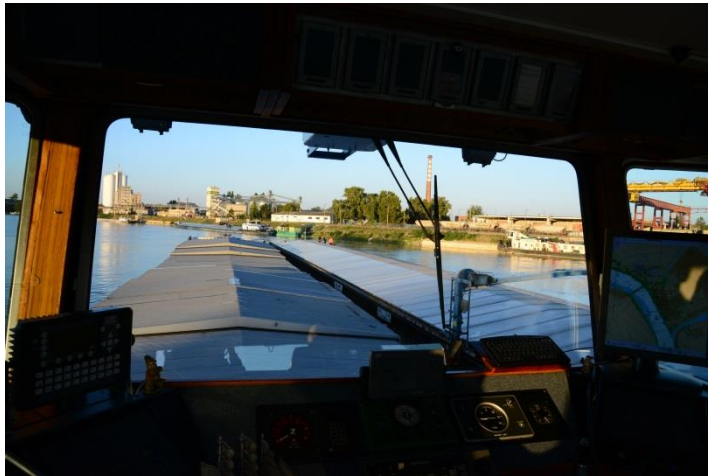




# RIS Pilots

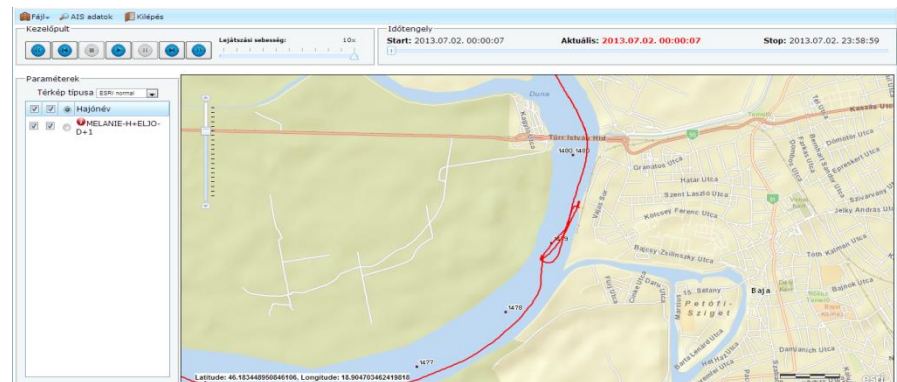
## 4.2

### Developing River Information Services for Ship Waste Management



**Support for  
skippers**

**Support for  
operators**



# Maritime Danube Ports Pilot

## 4.3

### Connecting Financing systems of Maritime Danube Ports to Danube IW System

#### Main goals:

- Test the current charging system (port dues)
- Improve the ship waste collection process by developing a web interface to be used for booking waste management services – speed up the waste delivery process
- Provide incentives to encourage and educate port users to deliver ship waste



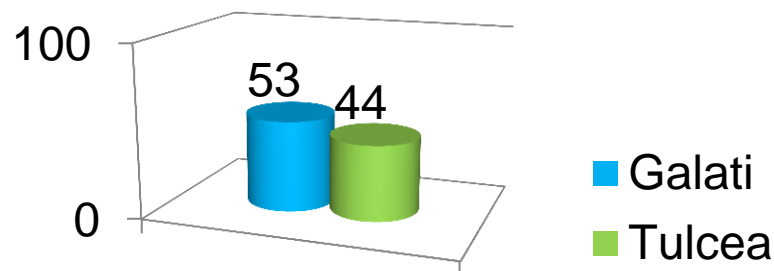
# Maritime Danube Ports Pilot

## 4.3

### Connecting Financing systems of Maritime Danube Ports to Danube IW System

**Duration: 16.10-30.11.2013**

**Location: Galati and Tulcea**



no. of vessels October 2013



Domestic waste		
Garbage	code 200201	
Paper	code 200101	
Glass	code 160120	
Plastic	code 160119*	
Metallic waste	code 150104	
Oily and greasy waste		
Bilge water	cod 130401*	
Waste oil	cod 130506*	
Separated hazardous waste		
Sludges from oil	code 130502*	
Used batteries	code 160601*	
Used oil filters	code 160107*	
Contaminated metal packaging	code 150110*	
Dirty oily wiping cloth	code 150202*	
Domestic waste waters		
Domestic waste waters	code 161002*	

# Maritime Danube Ports Pilot

## 4.3

### Connecting Financing systems of Maritime Danube Ports to Danube IW System

Online access to the web platform:

<http://www.apdmgalati.ro/Co-Wanda/services/index.php?lang=ro>



English Romania



Login Email address

Am uitat parola

HOME FACILITIES LEGISLATION SIMULATION WASTE DISPOSAL ORDER SIGN-UP



## CO-WANDA PROJECT

Inland navigation is a promising, environmental-friendly transport mode. Since transports mostly are carried out beyond national borders, existing international conventions ensure smooth operation of vessels along the rivers and unify national laws.

English Romania

**SOUTH EAST EUROPE**  
Transnational Cooperation Programme

**co-wanda**  
Convention for waste management for inland navigation on the Danube

Programme co-funded by the EUROPEAN UNION

HOME FACILITIES LEGISLATION SIMULATION WASTE DISPOSAL ORDER SIGN-UP

### NEW COST SIMULATION

EXCHANGE RATE: 1 EUR = 4.4502 RON

Type of vessel \*  APDM Contract \*

Please select a value Please select a value

Harbor \*  Pick up during regular working hours \*

Please select a value Please select a value

Waste type	Amount of waste Delivered	Free of charge	To be paid	Charge rate	Ron	Euro
Garbage	0	0	0	6.9 RON/bag	0	0
Paper waste	0	0	0	6.9 RON/bag	0	0
Glass waste	0	0	0	6.9 RON/bag	0	0
Plastic waste	0	0	0	6.9 RON/bag	0	0
Metal waste	0	0	0	6.9 RON/bag	0	0
Trip value of specialized vessel	0	0	0	150.45 RON/trip	0	0
Trip value of specialized car	0	0	0	33.78 RON/trip	0	0
Delivery at specialized berth	0	0	0	0 RON	0	0
Bilge water	0	0	0	182.72 RON/cu m	0	0
Waste oil	0	0	0	182.72 RON/cu m	0	0
Sludge oil	0	0	0	0.198 EUR/bag	0	0
Trip value of specialized vessel	0	0	0	176.78 RON/trip	0	0
Domestic waste water	0	0	0	106.82 RON/cu m	0	0
Used batteries	0	0	0	0.606 EUR/bag	0	0
Used oil filters	0	0	0	0.606 EUR/bag	0	0
Metal packaging contaminated by hazardous substances	0	0	0	0.606 EUR/bag	0	0
Dirty oily rags	0	0	0	0.198 EUR/bag	0	0
Value of empty bags	0	0	0	4.95 RON/piece	0	0
Assistance services for transhipment of oil products	0	0	0	206.17 RON/hour	0	0
Assistance services for bunkering of oil products	0	0	0	106.81 RON/hour	0	0
Total:					0	0

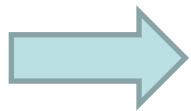
Total to be paid during the implementation of the pilot actions in the ports of Galati and Tulcea (16.Oct - 30.Nov)



# Conclusions

## Harmonization is to be reached in regards to:

- The international & national legal framework – **International Danube Ship Waste Convention (September 2014)**
- **The ship waste management network:** harmonized concepts, information exchange and joint events organized by ports, reception facilities, skippers & fleet operators and authorities
- **The education** of port users/ skippers for the protection of the Danube against illegal discharges



**All these combined result in a cleaner river and an increased usage of an environmentally safe transport mode-inland navigation**

# Thank you for your attention!



[www.co-wandaproject.eu](http://www.co-wandaproject.eu)

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**Budapest, 20.11.2013**