

Work Package 3: Jobs & Skills

D 3.0: Work Package Inception Report

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1. WORK PACKAGE 3 “JOBS & SKILLS”

a. Work Package Lead

PP Name	WPL Name	Email	Phone
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b. Work Package Objectives

WP3	Jobs & Skills		
WP Start:	01.09.2013	WP End:	31.12.2015
<ul style="list-style-type: none"> ▪ To create technical standards for the use of ship-handling simulators ▪ To prepare the introduction of electronic service record books ▪ To raise impact of inland waterway transport in logistics education and training 			

c. Sub Work Packages Overview

SWP	Title & Content	Lead	Budget [€]
SWP 3.1	Elaboration of technical standards for simulator use	Werner Kühlkamp, (DST)	138.404
SWP 3.2	Concept for electronic service record books	Arjen Mintjes (MAR)	55.529
SWP 3.3	Learning material for future logistics decision makers	Rob van Reem, (STC)	79.649
Total			273.582

d. Resources

PP	Budget [€]	Person months	Personnel Costs [€]	Subcontracting [€]	Other direct costs [€]	Eligible Ind. Costs [€]
VIA	16.227	1	6.353	8.000	1.336	538
BDB	25.457	3	19.291	-	4.500	1.666
DST	32.489	3	20.334	5.000	5.357	1.798
CRUP	9.484	2	6.864	-	2.000	620
STC	83.638	10	71.667	-	6.500	5.471
CERO	46.308	10	33.779	-	9.500	3.029
MAR	59.977	7	54.054	-	2.000	3.923
TOTAL	273.580	36	212.342	13.000	31.193	17.045

e. Deliverables

Del. No	SWP	Deliverable Name	Nature	Dissemination level	Due
D 3.0	-	WP3 Inception Report	R	R	31.10.2013
D 3.1	3.3	Dissemination Plan for Logistics Learning Material	R	PU	28.02.2014
D 3.2	3.2	Concept for Electronic Service Record Books	R	PU	30.04.2015
D 3.3	3.3	Consolidation and Provision of Learning Content	R	PU	30.06.2015
D 3.4	3.1	Roadmap towards standardisation for ship-handling simulators	R	PU	31.12.2015
D 3.5	-	Work package 3 Report	R	PU	31.12.2015

Nature: R=Report, P=Prototype, D=Demonstrator, O=Other

Dissemination level: PU=public, CO=confidential

2. SUB WORK PACKAGES

a. SWP 3.1 | Elaboration of technical standards for simulator use

Sub-Work Package Lead

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Sub-Work Package Staff

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Introduction to the tasks

Simulators could play an essential role to modernise education and training and thereby to reduce the barrier to enter to the sector, e.g. when it comes to the shortening of practical mandatory sailing time or Knowledge of Specific Situations (KSS). This task will focus on the technical requirements on base of functionalities described as a result of Round Table organised by the CCNR (See Annex A) to execute examination¹ in relation to the tables of competencies as described in Deliverable D 3.13 of Platina (I) and to KSS. Time spend on a recognized ship-handling simulator could shorten the period of practical mandatory sailing time. However, the necessary functionalities as well as technical requirements should be recognised by all relevant stakeholders. In this context, technical requirements comprise the range of functionalities and the quality level of each of these functionalities regarding the fields of use of simulators, i.e. examination and KSS. In order to come to a first set of agreed technical requirements for ship-handling simulators, one workshop (chaired by e.g. a River Commission) will be conducted during the life-time of this SWP.

¹ Formal testing of obtained knowledge, skills and proficiency leading to a mark, certificate or diploma

Tasks

Task 3.1.1		Development of the overall framework of ship-handling simulator standards			
Start:	01.10.2013	End:	31.12.2015	Lead:	DST
To do				who	until
Identify and contact stakeholders and status-quo of ongoing initiatives				DST/BDB/STC/ CERO/MAR	30.11.2013
Identify, analyse and evaluate relevant available investigations on technical standards for IWT ship handling simulators				DST/BDB/STC/ CERO/MAR	30.04.2014
Conduct interviews with stakeholders about relevant functionalities for examination; discuss, describe and prioritise Knowledge of Specific Situations (KSS)				DST/BDB/STC/ CERO/MAR	30.06.2014
Identify, list and sort technical areas of simulators regarding special groups of functionalities for examination and KSS (balance with selected stakeholders)				DST/BDB/STC/ CERO/MAR/	31.07.2014
Define the most relevant criteria/parameters for a performance description per technical area (balance with selected stakeholders)				DST/BDB/STC/ CERO/MAR	31.08.2014
Define performance levels (low, medium, high) and apply this ranking per parameter (balance with selected stakeholders)				DST/BDB/STC/ CERO/MAR	30.09.2014
Propose per field of use the estimated minimum range of needed functionalities and performance level per concerned parameter (balance with selected stakeholders)				DST/BDB/STC/ CERO/MAR	31.12.2014
Describe technical requirements in relation to functionalities and KSS identified				DST/BDB/STC/ CERO/MAR	31.03.2015
Organise workshop (CESNI and experts to be defined) to discuss minimum technical requirements				DST/BDB/STC/ CERO/MAR	30.05.2015
Conclusions; adjustment of drafted technical standards				DST/BDB/STC/ CERO/MAR	30.06.2015
Draft minimum technical standards for the purpose of examination of competencies and of KSS for the boatmasters'certificates				DST/BDB/STC/ CERO/MAR	30.09.2015

Feedback on Draft Minimum Technical Standards			DST/BDB/STC/ CERO/MAR	31.10.2015
Minimum Technical Standards for IWT ship-handling simulators			DST	31.12.2015
Del. No	Deliverable Name	Dissemination level	Description	Due
D 3.4	Roadmap towards standardisation for ship-handling simulators	PU	Draft technical standards for IWT ship-handling simulators for the purpose of examination to promote career progression for IWT crew members and to reduce barriers to labour mobility	31.12.2015

Interactions with	Topic/	Resp. for interaction
CCNR	On-going initiatives with respect to the topic as well as the moderation of the workshop foreseen. The CCNR installed a temporary expert group on simulators, identified a list of functionalities of IWT ship-handling simulators and added the topic of simulators to the agenda of the STF Committee	STC
CCNR – MQ/G	Group of experts on the modernisation of qualifications, which not only consists of representatives from the Rhine states, but from the entire EU	STC
Danube Commission	On-going initiatives with respect to the topic	STC
Sava Commission	On-going initiatives with respect to the topic	STC
EU Social Partners	On-going initiatives with respect to the topic	STC
Member States Administrations	On-going initiatives with respect to the topic	STC
Exam Commissions	On-going initiatives with respect to the topic	STC
EU Commission – DG Move	On-going initiatives with respect to a new EU regulatory framework on professional qualifications	STC
EDINNA	On-going initiatives with respect to the topic	STC
HINT	On-going initiatives with respect to the topic	STC/CERO

Important External Dates (until mid 2014)

Year	Month	Project	Topic	Resp.	Remark
2013	Oct	Leonardo da Vinci – Transfer of Innovation	Kick-off Meeting “Train-the-Trainer Course Material for Inland Navigation Education and Training” (TTIET)	STC	Duration: 2 years
2013	Nov	HINT	PP meeting in Budapest, tentative date 20-21.11.2013	CERO	
2013	Dec	CCNR 5 th Congress on 3-4 Dec. 2013 in Strasbourg	Bringing together the skills needed for sustainable inland navigation	STC	
2014	Jan	MQ/G Meeting CCNR	Expert Group on the Modernisation of Professional Qualifications	STC	
2014	Jan	EU Commission “Common Expert Group on Professional Qualifications in Inland Navigation”	Revision of the Directive 96/50/EC and modernisation of Professional Qualifications in Inland Navigation	STC	9 th meeting
2014	Jan	Working group STF/G CCNR	Possibilities for using the simulator	STC	
2014	Feb	EDINNA – 8 th General Assembly	8 th General Assembly of EDINNA where the possible functionalities of ship-handling simulators will be discussed	STC	

2014	Mar	Committee STF Meeting CCNR	The topic “simulator” is an integral part of the STF Meetings, depending on the agenda	STC	
2014	May	Working group STF/G CCNR	Possibilities for using the simulator	STC	
2014	May	EU Commission “Common Expert Group on Professional Qualifications in Inland Navigation”	Revision of the Directive 96/50/EC and modernisation of Professional Qualifications in Inland Navigation	STC	10 th meeting

Resources SWP 3.1

PP	SWP	Budget [€]	Person months	Personnel Costs [€]	Subcon- tracting [€]	Other direct Costs [€]	Eligible ind. Costs [€]
DST	3.1	32.489	3	20.334	5.000	5.357	1.798
BDB	3.1	9.021	1	6.430	-	2.000	591
STC	3.1	48.150	6	43.000	-	2.000	3.150
CERO	3.1	22.887	5	16.889	-	4.500	1.498
MAR	3.1	25.857	3	23.166	-	1.000	1.691
Total		138.404	18	109.819	5.000	14.857	8.728

Subcontracting costs SWP 3.1

Responsible partner	SWP	Content of subcontract	Estimated Costs [€]	Due date
DST	3.1	Elaboration of technical standards for simulator use	5.000	31.12.2015

Other direct costs SWP 3.1

Responsible Partner	SWP	Purpose	Estimated cost [€]
DST	3.1	Cost for organisation/travel cost for WP3 Meeting, Round Table, Workshop, Other Meetings	5.357
BDB	3.1	Cost for organisation/travel cost for WP3 Meeting, Round Table, Workshop, Liaison with Social Dialogue	2.000
STC	3.1	Cost for organisation/travel cost for WP3 Meeting, Round Table, Workshop, Other Meetings	2.000
CERO	3.1	Cost for organisation/travel cost for WP3 Meeting, Round Table, Workshop, Other Meetings	4.500
MAR	3.1	Cost for organisation/travel cost for Round Table and Workshop	1.000

Resource Planning SWP 3.1 for 1st Reporting Period (1 Sep 2013 – 28 Feb 2015)

PP	SWP	Budget [€]	Person months	Personnel Costs [€]	Subcontracting [€]	Other direct Costs [€]	Eligible ind. Costs [€]
DST	3.1	23.064	1.5	13.556	5.000	3.000	1.508
BDB	3.1	4.777	0.5	3.215	-	1.250	312
STC	3.1	32.368	4	29.000	-	1.250	2.118
CERO	3.1	15.592	3.5	11.822	-	2.750	1.020
MAR	3.1	17.060	2	15.444	-	500	1.116
	Total	92.861	11.5	73.037	5.000	8.750	6.074

Short explanation

The tasks that will be executed within SWP 3.1. are equally divided in time during the project. For this reason, the person months spend during the first 18 months almost equalize 18 months out of 30. With respect to other direct costs related to SWP 3.1, two meetings are foreseen during the first 18 months.

Dissemination Plan SWP 3.1

NO.	Type of activities ²	Main leader	Title	Date/Period	Place	Type of audience ³	Size of audience	Countries addressed
1	Conferences	STC	Kick-off Meeting "Train-the-Trainer Course Material for Inland Navigation Education and	2	Rotterdam	Scientific Community	12	NL, DE, RO, BE

² A drop down list allows choosing the dissemination activity: publications, conferences, workshops, web, press releases, flyers, articles published in the popular press, videos, media briefings, presentations, exhibitions, thesis, interviews, films, TV clips, posters, Other.

³ A drop down list allows choosing the type of public: Scientific Community (higher education, Research), Industry, Civil Society, Policy makers, Medias, Other ('multiple choices' is possible).

			Training” (TTIET)					
2	Press Release	STC	Press release on the start of Platina II	3	Rotterdam	Scientific Community / Industry / Policy Makers / Medias / Others	t.b.d.	NL
5	Conferences	STC	MQ/G Meeting CCNR	5	Strasbourg	Policy Makers/Industry/Others	t.b.d.	EU 28
3	Conferences	STC	EDINNA – 8 th General Assembly	6	Brussels	Scientific Community / Industry / Policy Makers / Media / Others	50	EU 28

b. SWP 3.2 | Concept for electronic service record books

Sub-Work Package Lead

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Sub-Work Package Staff

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STC	Jaap Gebraad	Project Manager Bureau Innovation, Research and Development	Gebraad@stc-r.nl	0031-104486080
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CERO	Doina Munteanu	Director Subunit Galati	doinamunteanu@ceronav.ro	0040-236471011
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Introduction to the tasks

The steps of task 3.2.1 will identify whether the existing system of paper Service Record Books could be transferred to a digital EU-format. The technical feasibility of this format and the options for data storage and exchange will be examined in task 3.2.1. as well. Reliability and availability are key issues to be considered as well as the cost-benefit analysis of the introduction of the new system. Critical conditions to which tools need to respond and the technologies that are already available in the market will be considered. The functional concept, which should be agreed upon by all key stakeholders, together with the architecture of the system, will lead to technical specifications. Furthermore, the possible integration with other electronic tools, e.g. the logbook, will be discussed with key stakeholders and will be part of the investigation on technical possibilities.

Tasks

Task 3.2.1		Concept for electronic service record books			
Start:	01.10.2013	End:	30.04.2015	Lead:	MAR
To do				who	until
Identify stakeholders and status-quo with respect to ongoing initiatives				MAR/BDB/STC/ CERO	30.11.2013
Investigate costs of electronic tools				MAR/BDB/STC/ CERO	20.12.2013
Develop questionnaire to identify necessary components of an e-SRB on a European Level and the possible combination with an electronic logbook				MAR/BDB/STC/ CERO	30.12.2013
Identify demands of stakeholders by disseminating questionnaire				MAR/BDB/STC/ CERO	30.03.2014
Conduct additional interviews with boatman and boatmasters				MAR/BDB/STC/ CERO	30.09.2014
Draft report on first findings				MAR/BDB/STC/ CERO	30.10.2014
Assessment of the implications of a central registration system versus the implementation of a decentralised system.				MAR/BDB/STC/ CERO	31.11.2014
Organise workshop to discuss outcomes with all relevant stakeholders				MAR/BDB/STC/ CERO	28.02.2015
Conclusions				MAR/BDB/STC/ CERO	31.03.2015
Possible approaches as to a European e-SRB				MAR	30.04.2015
Del. No	Deliverable Name	Dissemination level	Description		Due
D 3.2	Concept for European electronic service record books	Pu	This report will contain an investigation of the demand from the users side and a proposal for data registration system		30.04.2015

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Interactions with	Topic	Resp. for interaction
CCNR	On-going initiatives with respect to the topic	STC
CCNR-MQ/G	On-going initiatives with respect to the topic	STC
Danube Commission	On-going initiatives with respect to the topic	STC
Sava Commission	On-going initiatives with respect to the topic	STC
EU Social Partners	On-going initiatives with respect to the topic	STC
Nautical Services t Y	Digital online tachograph	STC
Member States Administrations	On-going initiatives with respect to the topic	STC
Joint research Centre/European Commission	On-going initiatives with respect to the topic	STC
Aquapol	Aquapol is invited to provide the relevant details on the current system and will provide input for improvement with respect to the current system	STC

Important External Dates (until mid 2014)

Year	Month	Project	Topic	Resp.	Remark
2013	unknown	ECORYS review for DG EMPL	Evaluation of working time agreement	BDB	Permanent progress report
2013	Dec	CCNR	Congress	STC	CCNR Round Table

Resources SWP 3.2

PP	SWP	Budget [€]	Person months	Personnel Costs [€]	Subcontracting [€]	Other direct Costs [€]	Eligible ind. Costs [€]
MAR	3.2	25.857	3	23.166	-	1.000	1.691
BDB	3.2	7.951	1	6.430	-	1.000	521
STC	3.2	8.738	1	7.167	-	1.000	571
CERO	3.2	12.983	3	10.134	-	2.000	849
	Total	55.529	8	46.897	-	5.000	3.632

Other direct costs SWP 3.2

Responsible Partner	SWP	Purpose	Estimated cost [€]
MAR	3.2	Cost for organisation/travel cost for WP3 Meeting, Workshop	1.000
BDB	3.2	Cost for organisation/travel cost for WP3 Meeting, Workshop	1.000
STC	3.2	Cost for organisation/travel cost for WP3 Meeting, Workshop	1.000
CERO	3.2	Cost for organisation/travel cost for WP3 Meeting, Workshop	2.000

Resource Planning SWP 3.2 for 1st Reporting Period (1 Sep 2013 – 28 Feb 2015)

PP	SWP	Budget [€]	Person months	Personnel Costs [€]	Subcontracting [€]	Other direct Costs [€]	Eligible ind. Costs [€]
MAR	3.2	21.726	2.5	19.305	-	1.000	1.421
BDB	3.2	7.951	1	6.430	-	1.000	521
STC	3.2	5.174	0.5	3.583	-	1.000	321
CERO	3.2	12.983	3	10.134	-	2.000	849
	Total	47.834	7	39.451	-	5.000	3.112

Short explanation.

Since SWP 3.2 will be finalised shortly after reporting period one, all resources available are located for the first reporting period, except 1 man month in order to finalise the deliverable.

Dissemination Plan SWP 3.2

NO.	Type of activities ⁴	Main leader	Title	Date/Period	Place	Type of audience ⁵	Size of audience	Countries addressed
1	Press Release	STC	Press release on the outcomes of SWP 3.2	20	Rotterdam	Scientific Community / Industry / Policy Makers / Medias / Others	t.b.d.	EU-28

⁴ A drop down list allows choosing the dissemination activity: publications, conferences, workshops, web, press releases, flyers, articles published in the popular press, videos, media briefings, presentations, exhibitions, thesis, interviews, films, TV clips, posters, Other.

⁵ A drop down list allows choosing the type of public: Scientific Community (higher education, Research), Industry, Civil Society, Policy makers, Medias, Other ('multiple choices' is possible).

c. SWP 3.3 | Learning material for future logistics decision makers

Sub-Work Package Lead

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Introduction to the tasks

The first step of task 3.3.1. consists of the revision of the current database on information services. Material will be updated if and when necessary and this database will be re-launched during the EDINNA General Assembly in February 2014. Furthermore, the development of teaching aids, as well as the collection of new material is foreseen in task 3.3.1. Task 3.3.2 will identify existing dissemination channels and exploit these channels for the dissemination of the renewed database on information services. Furthermore, task 3.3.2 will develop a framework for long-term dissemination of information services amongst logistical educational institutes.

Tasks

Task 3.3.1		Consolidation of information services relating to general logistics education			
Start:	01.09.2013	End:	30.06.2015	Lead:	STC
To do				who	until
Check content of current database on information services relating to general logistics education				STC/BDB/CRU P/CERO/MAR/V IA	30.11.2013
Investigation on new information services relating to general logistics education				STC/BDB/CRU P/CERO/MAR/V IA	31.12.2013
Revise former material collected in the current database in order to have it available during the new academic year				STC/BDB/CRU P/CERO/MAR/V IA	31.01.2013
Official launch of revised database				STC/BDB/CRU P/CERO/MAR/V IA	28.02.2014
Collect information services relating to general logistics education in accordance with categories as defined in Platina I and NELI (Logistics Model Course)/ EWITA (Intermodal				STC/BDB/CRU P/CERO/MAR/V	30.06.2014

transport – Ines Danube e-learning platform)/HINT				IA	
Identify gaps between current information services available and needs identified in Platina I and NELI/HINT				STC/BDB/CRU P/CERO/MAR/V IA	30.09.2014
Develop teaching aids				STC/BDB/CRU P/CERO/MAR/V IA	31.12.2014
Develop required information services				CRUP	28.02.2015
Draft report Consolidation and provision of learning content				STC	30.03.2015
Final report Consolidation and provision of learning content				STC	30.06.2015
Del. No	Deliverable Name	Dissemination level	Description	Due	
3.3	Consolidation and Provision of Learning Content	PU	Existing web portals are updated. Teaching aids for specific target groups are developed further for publication on the EDINNA website.	30.06.2015	

Interactions with	Topic/Experts	Resp. for interaction
EDINNA	Learning content with respect to integration of IWT knowledge in general logistics education and training	STC
HINT	Logistics simulator concept with respect to integration of IWT knowledge in general logistics education and training	STC/CERO
Train the trainer workshops	German SPC network and regional network activities	BDB

Task 3.3.2		Dissemination plan for logistics learning material			
Start:	01.09.2013	End:	28.02.2014	Lead:	STC
To do				who	until
Investigation on current dissemination channels among members of EDINNA				STC/BDB/CE RO/MAR/VIA	31.10.2013
Investigation on possible ways to disseminate learning materials amongst logistics educational institutes				STC/BDB/CE RO/MAR/VIA	31.12.2013
Define a framework for longer term cooperation between EDINNA and logistics educational institute,s training and assessment institutes and ELA – European Logistics Association				STC/BDB/CE RO/MAR/VIA	31.01.2014
Draft report Dissemination plan for logistics learning material				STC/BDB/CE RO/MAR/VIA	28.02.2014
Final report and start of dissemination activities				STC/BDB/CE RO/MAR/VIA	31.03.2014
Various dissemination moments by means of direct mailings and broader dissemination by means of network of core stakeholders (revised databse and feedback received)				STC/BDB/CE RO/MAR/VIA	30.06.2014
Dissemination to targeted institutes and broader dissemination in accordance with new developments (upgrading of learning content and train-the-trainer manual)				STC/BDB/CE RO/MAR/VIA	30.06.2015
Further fine-tuning of teaching aids and dissemination				STC/BDB/CE RO/MAR/VIA	28.02.2016
Del. No	Deliverable Name	Dissemination level	Description	Due	
3.1	Dissemination Plan for Logistics Learning Material	PU	Plan to describe and plan the concrete steps towards dissemination of logistics learning content	31.03.2014	

Interactions with	Topic	Resp. for interaction
EDINNA	Logistics Learning Material	STC
HINT	Logistics Simulator Concept and dissemination	STC / CERO

Important External Dates (until mid 2014)

Year	Month	Project	Topic	Resp.	Remark
2014	Feb	EDINNA	General Assembly EDINNA	STC	Conference with stakeholders included

Resources SWP 3.3

PP	SWP	Budget [€]	Person months	Personnel Costs [€]	Subcontracting [€]	Other direct Costs [€]	Eligible ind. Costs [€]
STC	3.3	26.750	3	21.500	-	3.500	1.750
VIA	3.3	16.227	1	6.353	8.000	1.336	538
BDB	3.3	8.486	1	6.430	-	1.500	556
CRUP	3.3	9.484	2	6.864	-	2.000	620
CERO	3.3	10.439	2	6.756	-	3.000	683
MAR	3.3	8.262	1	7.722	-	0	540
	Total	79.648	10	55.625	8.000	11.336	4.687

Subcontracting SWP 3.3

Responsible partner	SWP	Content of subcontract	Estimated costs [€]	Due date
VIA	3.3	Hiring external expertise for development of multimedia teaching material	8.000	31.12.2014

Other direct costs SWP 3.3

Responsible Partner	SWP	Purpose	Estimated cost [€]
STC	3.3	Cost for organisation/travel cost for SWP, promotion activities during EDINNA General Assembly and other meetings	3.500
VIA	3.3	Cost for organisation/travel cost for SWP, promotion activities during EDINNA General Assembly and other meetings	1.336
BDB	3.3	Cost for organisation/travel cost for SWP, promotion activities during EDINNA General Assembly and other meetings	1.500
CRUP	3.3	Cost for organisation/travel cost for SWP, promotion activities during EDINNA General Assembly and other meetings	2.000
CERO	3.3	Cost for organisation/travel cost for SWP, promotion activities during EDINNA General Assembly and other meetings	3.000

Resource Planning SWP 3.3 for 1st Reporting Period (1 Sep 2013 – 28 Feb 2015)

PP	SWP	Budget [€]	Person months	Personnel Costs [€]	Subcontracting [€]	Other direct Costs [€]	Eligible ind. Costs [€]
STC	3.3	19.082	2	14.334	-	3.500	1.248
VIA	3.3	16.227	1	6.353	8.000	1.336	538
BDB	3.3	8.486	1	6.430	-	1.500	556
CRUP	3.3	9.484	2	6.864	-	2.000	620
CERO	3.3	10.439	2	6.756	-	3.000	683
MAR	3.3	8.262	1	7.722	-	0	540
	Total	71.980	9	48.459	8.000	11.336	4.185

Short explanation

Since SWP 3.3 will be finalised shortly after reporting period one, all resources available are located for the first reporting period, except 1 man month in order to finalise the deliverable.

Dissemination Plan SWP 3.3

NO.	Type of activities ⁶	Main leader	Title	Date/Period	Place	Type of audience ⁷	Size of audience	Countries addressed
1	Conferences	STC	EDINNA General Assembly	6	Brussels	Scientific Community / Industry / Policy Makers / Media / Others	50	EU 28
2	Working Group	VIA	Danube Region Strategy: IWT Education & Jobs	tbd	tbd	IWT Authorities / Industry / Training institutions	80	Danube (14)
3	Web	All	Link with relevant	2014 (launch)	-	Teaching sector		EU 28

⁶ A drop down list allows choosing the dissemination activity: publications, conferences, workshops, web, press releases, flyers, articles published in the popular press, videos, media briefings, presentations, exhibitions, thesis, interviews, films, TV clips, posters, Other.

⁷ A drop down list allows choosing the type of public: Scientific Community (higher education, Research), Industry, Civil Society, Policy makers, Medias, Other ('multiple choices' is possible).

			teaching platforms					
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Annex 1: Status-quo on technical standards for the use of ship-handling simulators

Various stakeholders focussed their activities with respect to ship-handling simulators on the functionalities needed in order to be able to train, assess and examine by means of a simulator. The CCNR organised a round table in January 2013 with participation of member states administrations, representatives from the industry and representatives from the education field, where the functionalities of ship-handling simulators were discussed. The functionalities identified during this round table will form the basis of the work of the STF Committee of the CCNR as well as the working group MQ/G. In the meantime, the Common Expert Group on Professional Qualifications and Training Standards of DG MOVE, discussed the possibilities of using simulators to replace practical training on e.g. local knowledge requirements. EDINNA conducted a first research on the use of simulators in inland navigation and training and their underlying didactical concepts.

However, inland navigation ship-handling simulators are hardly available throughout Europe. Although a limited number of well-known simulator manufacturers for maritime education and training are known, none of them produce inland navigation ship-handling simulators. The existing ones are built by research and educational institutes themselves. However, there is request for the delivery of ship-handling simulators in order to improve the quality of education and training, and to use the ship-handling simulators in order to be able to shorten the period of mandatory sailing time. Based on the functionalities deriving from the discussion at the CCNR, technical requirements will be determined in order to set common standards for technical requirements of ship-handling simulators for inland navigation throughout the EU.

Annex 2: Concept for electronic service record books

In September 2012, DG Move installed a Common Expert Group on Professional Qualifications and Training Standards. Amongst others, the Service Record Book and its functionalities were discussed in the light of modernisation of professional qualifications. The current paper version of the Service Record Book, in which the qualification and the sailing time of a crew member on Board a vessel is recorded, hampers labour mobility throughout the EU and besides fraud is easy to commit. In order to improve the quality of Service Record Books, increase the possibilities of an inspection of the Service Record Books and to easier allow labour mobility, harmonisation of required information contained in SRB and mutual recognition of the SRB, which ideally would be an e-SRB would be in favour of most of the stakeholders. A pilot of an e-SRB is already available in the Netherlands. In parallel, a new working time agreement has been reached on a European Level and the working time directive will be adopted. In order to register working time digitally, an electronic logbook could be installed and combined with an e-SRB. The e-SRB will ideally be registered in a central European database. SWP 3.2 will analyse the contents of an e-SRB and investigate the possibilities of a European database and the combination of various electronic tools.

Annex 3: Learning Materials for future logistics decision makers

In order to increase the use of IWT as a modality in the supply chain, future logistics decision makers should be aware of the possibilities of IWT. Platina I showed that there is a genuine interest from institutes offering general logistics education on various vocational levels to teach their students on IWT as a modality in the supply chain. However, Platina I showed as well that hardly any knowledge and material is available at the institutes, and that the collection and dissemination of learning material for future logistics decision makers is a prerequisite in order to create more awareness on these possibilities. SWP 3.3. will revise the material already available and develop information services and teaching aids in order to provide the educational institutes with material ready-for-use.