

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 770064



Co-funded by the Horizon 2020 programme of the European Union

DOCKSTHEFUTURE defining the concept of "Port of the Future"

Disclaimer: The views represented in this document only reflect the views of the authors and not the views of Innovation & Networks Executive Agency (INEA) and the European Commission. INEA and the European Commission are not liable for any use that may be made of the information contained in this document. Furthermore, the information are provided "as is" and no guarantee or warranty is given that the information fit for any particular purpose. The user of the information uses it as its sole risk and liability

Transferability Analysis & PoF TA Methodology online course

Joris Claeys

PORT & MARITIME SERVICES

FINANCE - LEGAL - MARKET RESEARCH - IT - OPERATIONS - ENVIRONMENT





Co-funded by the Horizon 2020 programme of the European Union



Sections of the course

- 4 sections
- 1. Intro to the course
- 2. Transferability Analysis
- 3. PoF TA Methodology
- 4. TA Worksheet



Objectives of the course

This course is one among the 3 online courses developed within Docks The Future EU H2020/INEA project

It aims at transferring:

- **1.** *know-how* on the concept of **Port of the Future**
- 2. current state of the art towards future vision 2030

 \sim

3. *innovative projects* have essential impact on the future of European ports, port-cities and every **stakeholder**



What you will learn

This course is addressing:

- Transferability Analysis
- PoF TA methodology
- Assessing
 - Potential Contribution towards Transferability (PCT) and
 - Ease of Transferability (EoT) of

projects under the **Port of the Future** (PoF) framework with/without an **innovative concept** (IC)



Co-funded by the Horizon 2020 programme of the European Union

What you should know

- This course is addressed to any individual
 - thorough knowledge of port operations
 - familiar with strategic and tactical objectives
 - experience with use of KPI's and Measurements
 - understanding success factors and possible barriers affecting port operations
- Target audience: project owners, port management and stakeholders, including port-city authorities

Introducing Transferability Analysis

Joris Claeys

PORT & MARITIME SERVICES

FINANCE - LEGAL - MARKET RESEARCH - IT - OPERATIONS - ENVIRONMENT





Co-funded by the Horizon 2020 programme of the European Union





DtF WP's correlation and dependencies to the TA

+ the scores and indexes applied in the different tools







Co-funded by the Horizon 2020 programme of the European Union

The foundational structure of the TA SUSTAINABLE GOALS

SUSTAINABILI

SUSTAINABLE DEVELOPMENT

GOALS

5 WPSP Focus Areas

- Sustainability (climate & energy) 1.
- Community dialogue & Port-City relationship
- 3 Governance & Ethics
- 4. Resiliency (infrastructure & operations)
- 5. Safety & Security

10 AIVP Agenda 2030 goals

- Climate change adaptation
- Energy transition & circular economy 2.
- Sustainable mobility 3.
- Renewed governance 4.
- 5. Investing in human capital
- 6. Port culture & identity
- 7. Quality food for all
- 8. Port city interface
- Health & life quality 9.
- 10. Protecting biodiversity

>>>

17 UN Sustainable Development Goals by 2030

covering 114 targets, relating to 231 indicators (sub-goals)

5 WPSP Focus Areas (macro agenda) categorised for ports

each Macro Agenda is related to several UN-SDGs

10 AIVP Agenda 2030 Goals

Connecting port-cities to UNSDGs

17 DtF High-level Strategic Objective defined for Port of the Future projects & initiatives related to 47 Tactical Objectives with assigned Targets, gualified and guantified KPI's & Measures (110)





Conditions of *relevancy* to transferability

- Adequacy concepts defined by Motorways of the Seas, adapted to the Port of the Future context: a project has an adequacy relevancy if it measures its:
 - compliance to *Innovativeness* (Innovative Concept)
 - potential for *peering* across other EU ports and/or with neighbouring countries
- NICHES+ 6-step methodology developed by POLIS, adapted to the port context as the DtF PoF TA Methodology
- Transferability is measured **from concept to realisation**
- Collaborative efforts (port-peering) on dissemination of best practices around IC's across as much as possible ports





Conditions of *relevancy* to transferability

- contribution to specific Project Peering leads to best-in class widescaled application considering TA through risk management of recognized barriers & constraints with risk mitigation provisions
- **Independent dimension** from objectives and innovativeness
- Any project owner can run the full **PoF TA Methodology** to define
 - Project vision and related target <u>objectives and KPIs</u>
 - <u>impacts</u> towards its **hosting city** and served **hinterland**
 - Project and project stakeholder contribution to one or more of the
 - 5 WPSPS Focus Areas
 - 10 AIVP Agenda 2030 Agenda and/or
 - 17 UNSDG's with

for each their diversity in **Performance Indicators** and **SMART Measures**



Adequacy of PoF project = innovativeness = *I*-score

- If no Innovative Concept (IC) → I-score = 7FRO
- → TA-score = ZERO

NO transferability

project owner may still proceed to evaluate their project through the PoF TA Methodology for other purposes

if *single-port* projects with an obtained *I-score* → TA-score = 7FRO





TA-score (potential to transfer) \neq **TA-index** (ease of transfer)

Co-funded by the Horizon 2020 programme





- TA-score versus TA-Index
 - **PCT** = *Potential Contribution towards Transferability* = **TA-score** anticipation or expectation for a potential transferability
 - - **EoT** = *Ease of Transferability* = **TA-index** making use of **PoF TA Methodology** detailed knowledgeable assessment
 - The TA-index is **independent** from a project's **innovativeness**
- TA scenarios
 - **Multi-port participation projects**: based on collaboration in living labs or pilots
 - "CHAMPION" approach: donor port offers experience/expertise and/or solution to assist/guide an *adaptor port* in implementing same or similar solution
 - **Port peering**: (voluntary) collaborative engagement between ports to combine its resources during the (entire) life cycle of a project development and deployment.
- TA project-peering across borders aligned with the PoF Roadmap 2030
 - **EU cross-border projects**: INEA promotes collaboration within & across EU countries

Neighbouring countries: EU promotes project partnerships through multiple programs





TA scenarios in close-up

- **Single-Port projects**: '0' TA-score '0' TA-index (no need for PoF TA Methodology)
- Innovative Ports & Multi-port participation projects:

ports with an IC or collaborative development of an IC

- "CHAMPION" approach:
 - **Donor ports**: ports with an innovative concept (IC) to offer
 - **Adaptor ports**: ports wishing to adopt an IC implemented in a donor port
- Port peering: ports share their resources to implement a new IC across multiple ports

PoF TA Methodology: (based on the POLIS Niches+ 6-steps methodology)

- assess transferability of an *IC* or *port-peering* from concept to realisation
- constraints/barriers risk assessment & management success factors





<u>PCT = Potential Contribution towards Transferability = **TA-score**</u>

 \mathbf{D}

SCALE	definition of potential contribution towards transferability (PCT)
0 (zero-weight)	NOT measured: single port , OR similar solution (s) already exist AND/OR has no horizontal applicability (no efforts undertaken to peering or champion solution in potential adaptor ports)
1 (low)	No to low support or high constraint for transferability: project supports an IC, but no barriers/constraints considered or investigated OR transferability has high risk
2 (medium)	Modest support for transferability : project supports an IC, applicable to targeted ports, constraints/barriers & resolutions suggested, but NO peering resources to implement solution
3 (high)	Limited potential for transferability: project supports an IC, applicable at <u>some</u> (1 to 4) targeted ports, constraints/barriers & resolutions suggested, AND peered resources across a <u>minimum of 3 ports to implement</u> (through port-peering and/or Champion approach)
4 (strong)	wide support for transferability : project supports an IC, applicable at <u>multiple</u> (5 or more) targeted ports , constraints/barriers & resolutions + risk management provisions established or anticipated AND has peered resources across various ports (<u>3 or more</u>) to implement solution simultaneous (through port- peering and/or Champion approach)

Introducing the PoF TA Methodology

Joris Claeys

PORT & MARITIME SERVICES

FINANCE - LEGAL - MARKET RESEARCH - IT - OPERATIONS - ENVIRONMENT





Co-funded by the Horizon 2020 programme of the European Union





Co-funded by the Horizon 2020 programme of the European Union

The full Transferability Analysis

PoF TA Methodology

complementary

(partially or entirely)

- alternative «in competition»
- excluding each other

Identify success factors to transfer an IC implemented in one port to another where

step 1 🗕	→ step 2 –	→ step 3 –	→ step 4 –	→ step 5 —	→ step 6
arify the impacts nd measures of Iccess of the IC.	Identify if up-scaling is required and take into account subsequently as appropriate.	Identify the main components of the concept and its context relevant to transferability.	Identify the relevant characteristics of each component and its importance in the current i.e. donor context.	Assess the likely ease or difficulty in achieving the required level of importance of the characteristic in a receiving i.e. adopter city.	Consider the set of values across the characteristics and assess the likely potential for transferability and any conditions that may be required.

the context may be different - current to new environment:

- Step 1. define the **impacts and measures of success**
- Step 2. decide on up- or down- scaling (different port conditions)
- Step 3. identify **components of IC** and its relevancy towards **TA context**
- Step 4. identify relevant characteristics and its achievement in the current context to be aligned to the adaptor port







The PoF TA Methodology

The PoF TA Methodology promotes the uptake of the most promising innovative concepts, in order to transfer them **from their current "niche" position to a mainstream application**. Each concept is illustrated with good practice examples, key benefits, decision criteria for implementation and useful references, outlining the following aims:

Networking opportunities:

stimulate exchange between a wide range of stakeholders from all over Europe

Publishing effective guidance for all stakeholders: brochures including key information on how to successfully implement the selected innovations

Spreading the word:

European and national events to effectively disseminate the project results and to encourage uptake of the innovative concepts

Groundwork for establishing projects with supply chain actors: additional resources and support available to develop concrete implementation plans for innovative concepts





The PoF TA Methodology

TA Risk Assessment & Management Provisions:

Knowledge

Define, assess and agree:

- Expectations from all stakeholders
- Adapt a common (or sinkable) PM
 & reporting system among project owners and primary stakeholders
- ✓ Knowledge & skills (available resources or insourcing of experts)
- ✓ insights & recommendations by stakeholders
- Detailed planning of ALL resources
- ✓ Barriers & constraints in new environment
- **Risks or barriers** at development, deployment
 & integration (data, business models, operations)
- ✓ Define/agree costs & benefits for ALL parties involved







The PoF TA Methodology

project management plan to include:

- Proven project management and reporting tool (resources, timing, cost, benefits, project finances, PM office protocols, ...)
- ✓ Identified and committed knowledge and skills available from internal resources and/or external experts for each of the partners involved
- Thorough run-through of the PoF TA methodology with unambiguous details agreed upon between project owners and at least the prime stakeholders
- ✓ Evaluated business models, data models and operational practices towards best practice (As-Is to To-Be Analysis)

- ✓ **Key benefits identified** at company and user level
- ✓ **Decision criteria** for development, implementation and roll-out deployment and integration

Continuous along the project:

- ✓ Engage into stakeholder dialogue and impact assessment (including non-direct parties)
- ✓ Set well-defined quantifiable and realistic SMART measured KPIs aligned with SO/TOs





Co-funded by the Horizon 2020 programme of the European Union

The PoF TA Methodology

Other resources to be applied where applicable:

- \checkmark Efficient planning and use of automated equipment resources and infrastructure
- \checkmark Use of operations management centres and assigned business project champions

- ✓ Setting up training programs for all parties and their employees, including more technical programs for ICT and high-level management programs for executives
- \checkmark Awareness sessions with the wider impacted communities

Providing needed information / outcome towards:

- ✓ Key (primary) stakeholders involved
- \checkmark
 Port size, type and modus operandi
- ✓ Key characteristics
- ✓ Key benefits
- ✓ Good/best practices (benchmarking)

- ✓ Undesirable secondary effects
- ✓ Costs
- ✓ Time horizon
- ✓ Crucial factors
- ✓ Excluding factors





The PoF TA Methodology and its outcome weighing

<u>EoT = Ease of Transferability = **TA-index**</u> (consolidation of assessment):

- IC and its context with impacts and measure of success contributing towards the PoF SO's, KPI-set and PCI & TA
- Components and their characteristics, achieve level & contributions, required successful implementation, from different perspectives and with confirmation with stakeholders
 - Step 5: ease & challenges achieving results in the adopter port
 - Step 6: consider all sets of values & assess (external) conditions required

Ultimately, the **PoF score and index** shall be communicated with the **PoF DtF NoE**, where information is captured on the **PoF Dashboard** for further processing in DSS-tool.

 \sim

SCALE	definition of <mark>ease</mark> in realising expected success and managing identified risk (EoT)
+2	strong support for transferability
+1	modest support for transferability
0	Neutral
-1	modest constraint for transferability
-2	strong constraint for transferability



. . .



Alternative reasons for running the full TA

- Realizing port's strategic vision
- Improving its operational effectiveness
- Project financing opportunities and challenges (financial institutes are more and more required to
 accept financing only for sustainable projects and their deliverables or manage and report on their
 sustainability portfolio
- Realizing identified ROI from the project for its own operations (single-port projects)
- Improvement of set (standard) KPI's of port and port-related businesses + benchmarking with other ports and/or aim to become or remain the referenced benchmark for innovativeness
- Aligning project towards targeted WPSP Focus Areas and/or AIVP 2030 Agenda Goals
- Identifying the contribution towards alignment with the UN SDG's
- Recognising and measuring the impacts to stakeholders (prime and secondary) as well as for its hosting city, urban development and served hinterlands
- Identifying specific aimed success factors of a project or comparison of different options

 Improving stakeholder dialogue and impacted communities through use of a proven methodology and reporting

Introducing the TA Worksheet

Joris Claeys

PORT & MARITIME SERVICES

FINANCE - LEGAL - MARKET RESEARCH - IT - OPERATIONS - ENVIRONMENT





Co-funded by the Horizon 2020 programme of the European Union





Co-funded by the Horizon 2020 programme of the European Union

TA Worksheet - intro and instructions (26 tabs)

ield colo Orange-GO Dark GREE REEN Light Green Dark TEAL Joht TEAL

Dark BLUE

Sustainability

RED

TA-score

DtF Measures I-score

INTRODUCTION to the TA and PoF TA Methodology Worksheet for High-level Strategic Objectives (HLSO) & Project Evaluation Results (PER) (suggesting to tripit this instruction table to guide you through the different tabs or use the sheet in the TA Guide)

INSTRUCTIONS on the use of the TA Worksheet

Read the TA & POF TA Methodology Guide (PDF)

Read through these basic instructions to familiarise with the overall structure and the requirements for completing the exercise of going through the actual Transferability Analysis for your project(s). Follow the instructions below to ensure proper use of the TA Worksheet.

TA Worksheet v3.7 (SAVE THIS TA WORKSHEET WITH YOUR PROJECT NAME before starting the assessment - keeping the priginal) This version has combined the High-Level Strategic Objectives (HLSO) and the Project Evaluation Results (PER) into one TA Worksheet. simplifying the inputs based on selection drill-down menus and automating functions, avoiding duplication of entries. This version contains now the information tabs and the DATA-table tab (very last one) all with far more integration and links in one worksheet, to enable all in one view, avoiding as much as possible double input, reusing data already entered and a lot of drill-down list to choose from to ease the input and processing to reach the evaluation of your project(s).

You may notice that in this release already contains a lot of fields automatically prepopulated, while other automation (mainly around the calculation of the weighted averages of indexes and combined TA-indexes related to each of the 5 WPSP areas) will take place in next releases of the TA Worksheet.

Follow the instructions below to ensure proper use of the TA Worksheet.

All tabs have been set at their optimal working zoom size. Left top corner on each tab provides the original %-zoom (based on ful screen use of 68.6 cm/ 27 inch screens) in case you had to zoom in or out during the process.

On the right you will see a quick overview of the tabs in this TA Worksheet, which are split in two different parts (dark blue tabs). The HLSD Overview, and the PER Overview, each followed by their respective related tabs

Scores & Indexes + Graphs

1	This is your starting tab to provide general information about your project and to bring the PCI-score, the I-score and the TA-score obtained during the PCI evaluation forward into this TA Workshoet. The information provided in this tab will populate automatically in all the other tabs.
2	Start with providing the general project information (dark green fields): - Project Show Name, - Project Reference Name, - Project Reference Name, - Project Reference Name, - a bait description of the project with visions, taggets and objectives and - specific oblaboration on scope areas between EU PoT projects. Then provide the project owners reflection of the weighing for each of the 5 WPSP areas on a scale 1-5(NOTE: this has consequences through-out the TA worksheet tab): and enter the PCI-score, the I-score and the TA-score as was assessed in the PCI evaluation. The TA-score bands and build build be average and the table provided automatically based on the progess of the Full TA evaluation. A weighted average in this release still needs to be calculated manually, based on the weighing relative to each of the 5 WPSP Focus Areas: Further instructions may be provided on the respective tabs themselves.
3	The notes on this tab and in others can be left from the screen if they are too disturbing, by selecting REVEW, then dril-down on the Notes and select/loggle between 'show all notes' DNor OFF. Do not delete the notes as they provide the information to be entered which will no longer be in the field once you overwrite.
4	In a following release of the TA Worksheet, we will provide for automated graphs of the different scores and indexes (general weighted averages and for each of the 5 UPCDE - A set and the second adverages and for each of the different scores and the TA second adverages and for

PoF HLSO + PER overview

INTRO

Scores&indexes

Note that the entire TA Worksheet is centred around the ports - nor the "other participants" however as their roles are important to the project, they should be mentioned in the 'HLSCI+PER Overview' tab, under the second part of the tables, focusing on those partners in the project. Go thorugh each line and either select from the drill-down menus or enter the information requested

HLSO overview

Quick overview of	Field colour codes				
HLSO+PER overview	Project info and reconciled info from or for the other tabs	PER Overview	Overview of the Project Evaluation Results (PER) by Living Lab or Pilot	Orange-GOLD	Calcula
PoF SOs	EtF Topics and HLSOs related to the SWPSP Focus Areas (+use)	Scores & Indexes + Graphs	Calculated graphs from the weighed accres and indexes	Dark GREEN	Requir
PoF TOs	DtF TOs - unlimited list linfo only + applied veighing & use)	pre-conditions	PRE-CONDITIONS worksheet using the PoF TAMethodology	GREEN	Requir
DtF Measures	DtF Measures - unlimited list (info only + applied weighing & use)	STEP 1	impacts and measures of success using the PoF TA Methodology	Light Green	Need a
l-score	Anticipated I-secre: IC introduced or applied, using the I-score scale	STEP 2	evaluate the need for up-scaling (or down-scaling) at the Adaptor Port	Dark TEAL	Require noruses
TA-score	Anticipated for PCT = Potential Contribution towards Transferability	STEP 3	identify main components of IC and its context relevant to transferability	Light TEAL	Free field possible
TA-index	measured evaluation for EoT (Ease of Transletability) weighed average	STEP 4	identify component characteristics & its achievement in current context	Dark BLUE	Tabors
1 Sustainability	WPSP1-SUSTAINABLITY Climate & Energy worksheet	SUCCESS	SUCCESS: Key characteristics of a successful project	RED	NO sek menu (
2 Port-City	WPSP2-PDRT-CITY Relationships Dialogue & Community Outreach	FISK	RISK & PROVISIONS: Assessment & Management Provisions	YELLOW	Table he
3 Governance	WPSP3-Governance & Ethics worksheet	STEP 5	assess ease or difficulity in achieving each characteristic in adopter port	GREY	To be used
4 Res.Infra	WPSP 4 - Resilient Infrastructure worksheet	STEP 6	set of values across pharapteristips & assess transferability & conditions	WHITE	Spaces
5 Saf+Sec	WPSP5-Safety&Security worksheet	-Safety & Security Benefits Benefits mprovement of KPI's & Pl			
DATA-tables	ranges used for chill-down	Training	Training programs for all engaged		

Ð

1 1

	WPSP5-Safety&Security workshoot	Light GREY	UN SDGs not covere coverage under othe		
DATA-tables	ranges used for drill-down selections in the vorksheets	Training	Training programs for all engaged stakeholders and their employees		
				19. 19.	
ur codes		COLOUR codes	HEX		
LD	Calculated Field (RESTRIC	Orange-GOLD	#F4B084		
	Require your inputs (MAND	Safety & Seourity Benefits Training movement of VPIPs Benefits Be			#00823C
11	Require your inputs (MANL	sble)	GREEN	±008050	
)	Need to be completed or fi	dvisable completion]	Light Green	#C8FAAF	
	Require selection from list	at used-select 22 - other	Dark TEAL	¥008080	
	Free fields overwritable - O	Light TEAL	+000202		
	Tab or sheet title - NOT ov	erwritable		Dark BLUE	¥002060
	NO selection made - select	from the drill-down me	enu (MANDATORY - NOT overwritable)	RED	*FF00C0

Require your inj Require your inc Green Need to be com advisable completit TEAL Require selection IF AL Free fields overwrit satible or no sele BUIE Tab or sheet title - N NO coloption m menu (MANDATO Table heading (NC ostent for lature use) Spapes for additiona

Calculated Field





TA Worksheet - Scores & Indexes + Graphs



This feature will be automated in a next release.





Co-funded by the Horizon 2020 programme of the European Union

TA Worksheet - DtF High Level Strategic Objectives (HLSO)

200 10	If an area or a lin recommend to 'g	PoF (main overv ne item (componen ray-out' the entire	TA Worksh DtF High riew tab with proje it or characteristic) line or area, to eas the entire work	eet usin Level Stra ct information is not applicat e the focus or sheet or show	Ig the PoF tegic Objectiv and reconciliation ole to your project what is essential errors in particula	shouk Focus Ar colum	Project Deliverables, Living Labs or Pilots (per port or peering ports) d a particular deliverable cover multiple WPSP reas, they need to be repeated - as in the nex ins you will assign one or more WPSP Foucs	17 UN SDG's first step: assign the relevant UNSDG's to your project deliverables notice that these are ordered in function of th 5 WPSP Focus Areas and 1 UNSDG may appear multiple times as they apply to multiple WPSI Pocus Areas - identified through colour code and UNSDG# (XX xxx) & WPSP (xx XXX)					
iter	Short name	l		program	n / call num	ber or	referen	се			Areas to the deliverable		
	TA Scenario	TA Role	PORT Participan NAME	t PORT short NAME	Project ROLE	country	city or vicinity	port or port cluster / environment	TEN-T corridor or neighbouring EU country	# (sequence or own numbering)	description	(per project deliverable with focus on See Ad	the 5 W : the I Id area
1	0 - SINGLE port	00 no TA role	name	shortname	00 no project role assigned	country	city	port cluster	00 no 1EN-1 corridor	1	deliverable	00 no UNSDG assigned	00 no
2	1 MULTI port participation project	Champ 1 - donor port	name	shortname	Project Coordinator	country	city	port cluster	Atlantic	2	deliverable	01 p&c – No poverty	1 Su
3	2 – CHAMPION approach	Champ 2 - adaptor port	name selec	t TA peering scen t the TA scenario t	ario hat	country	city	port cluster	Baltic Adriatic	3	deliverable	02 p&c – Zero Hunger	2 Por
4	3 - Port PEERING	peering ports	name com deliv	esponds to your priverable, living lab o	oject, pilot	country	city	port cluster	Mediterranean	4	deliverable	03 p&c – Good health and well-being	3 Gor
5	3 - Port PEERING	peering ports	name CHC table	ICES: are prelisted is	under DATA-	country	city	port cluster	North Sea – Baltic	5	deliverable	03 s&s – Good health and wel-being	4 Res
6	3 - Port PEERING	x living lab	name avail the	able, you will need orresponding list u	to add one in Inder the	country	city	port cluster	North Sea – Mediterranean	6	deliverable	04 p&c – Quality education	5 Saf
7	zz - other - please specify	x pilot	name DAT	A-tables tab.	-	country	city	port cluster	North Sea – Mediterranean	7	deliverable	04 res – Quality education	zz oth
8	zz - other - please specify	x roll-out site	name	shortname	x Living Lab / Pilot 1	country	city	port cluster	Orient - East Med	8	deliverable	05 gov – Gender equality	zz oth
9	zz - other - please specify	zz other - please specity	name	shortname	x Living Lab / Pilot 2	country	city	port cluster	Rhine - Alpine	9	deliverəblə	06 p&c – Clean water and sanitation	zz otła
1	2z - other - please specify	zz other - please specify	name	shortname	x Living Lab / Pilot 3	country	city	port cluster	Rhine - Danube	10	deliverable	06 res – Clean Water and Sanitation	72 oth
1	1 zz - other - please specify	77 other - please specify	name	shortname	x Living Lab / Pilot 4	country	city	port cluster	x other - Inland Distribution Confer	11	deliverable	07 sus – Affordable and clean energy	zz oth
> 1	2 zz - other - please specify	zz other - please specify	name	shortname	x Living Lab / Pilot 5	country	city	port cluster	x other - Inland Terminal	12	deliverable	07 p&c – Affordable and clean energy	zz oth
1	INTRO Sco	res&indexes HLSO	overview PoF SOs	PoFTOs	DtF Measures I-so	ore TA-so	ore TA-in	dex Sustainability	Port-City 4	⊕ : [(103 107 111 11	





TA Worksheet - Project Evaluation Results (PER)

200	. TA W	orksh o	eet Pro of the P	oject Evalu PoF TA Met	ation Re	sults (I Y	PER)	PRE- condition s for TA	NICHES Step 1	NICHES Step 2	NICHES Step 3	NICHES Step 4	SUC- CESS	TA Assess Mana Prov	RISK ment and gement visions	NICHES Step 5	NICHES Step 6	BEN	NEFITS	TRAIN	ING	Nicl	I es Step NA (not ap	1 plicable)	Nich NO / YES /	NA (not
80	Short name Full project name PCL score L score TA score				Reason s and Best		High-le	PRE vel eval	-condit uation	ions 1	for TA	- NO / YES K e	y Benefi	t applicabl its	₽)	National, EU regional	Roles, respons- ib ilities and		Im measu	pacts an res of su	ıd Iccess	Is up dow re	-scalir m-scal equire			
line iter	D.00 PORT Short NAME	Delive able #	D.OO r Projec t Living	0.00 ct Deliverables, g Labs or Pilots	+2 - 17 PoF	02 HLSO's	Weighing	Prac- tices for Trans- ferabi- lity	Barriers & con- straints	Success Factors	Risk & PM Provi sions	Patterns to facilitate	Other	Networking oppor- tunities	Publishin g effective guidance for stake holders	Spread- ing the word	Ground- work for establish- ing pro- jects with supply chain actors	other	EU + Neigh- bouring Coun- tries	function s across trans- ferabilit y scenario	other	Qualita- tive measues constitues	Qualita- tive measues executions retaik (seaurceOF Hommetal)	other	UP- scaling	Down scalin
1	shortname	1	deliverabl	e	00 No PoF S	0 with	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
2	shortname	2	deliverabl	9	1 sus SDG 1	2.00.0 Save urces	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
3	shortname	3	deliverabl	e	1 sus SDG 1 Combat glob	3.00.0 al warming	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
4	shortname	4	deliverabl	e	00 No PoF S	O with aned	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5	shortname	5	deliverabl	q	00 No PoF S UNSDG assig	O with aned	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6	shortname	6	deliverabl	6	00 NO POF S	O with aned	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7	shortname	7	deliverabl	e	00 No PoF S UNSDG assig	O with aned	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NØ	NO	NO	NO	NO	NO
8	shortname	8	deliverabl	e	00 No PoF S	O with aned	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
9	shortname	9	deliverabl	e	2 p&c SDG 0 jobs (SDG 8,	08.05.0 Good	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
10	o ^{shortname}	10	deliverabl	e	2 p&c SDG 1	11.03.1 Land	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
11	r shortname	11	deliverabl	е	2 p&c SDG 1 Inclusive cit	11.03.2 jes	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
1.	2 shortname	12	deliverabl	e	2 p&c SDG 1 Improve env	11.06.0 viconmental	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
13	3 shortname	13	deliverabl	e	00 No PoF S	O with aned	0	NO	NO	NO	NO	NO	NO	NO	NO	NÖ	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
14	1 shortname	14	deliverabl	e	00 No PoF S UNSDG assig	O with gned	0	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
1.	> PER over	view p	re-conditions	STEP 1 STEP	2 STEP 3	STEP 4 SU	CCESS RISK	STEP 5	STEP 6	Benefits	Trainin	g DATA	v-tables	🔄	1 4		4L (1)									

Transferability analysis online course experts **Joris Claeys** J.Claeys@PortExpertise.com **Peter Bresseleers** P.Breseleers@PortExpertise.com PORT & MARITIME SERVICES FINANCE - LEGAL - MARKET RESEARCH - IT - OPERATIONS - ENVIRONMENT >>> Co-funded by the Horizon 2020 programme the European Union