

TOR Reference No.:	Author(s): Lorenzo Segato; Giuseppe Sgorbati
Version: 2	Date: September, 2017
TERMS OF REFERENCE FOR WORK UNDER THE AUSPICES OF IMPEL	

1. Work type and title

1.1 Identify which Expert Team this needs to go to for initial consideration	
Industry	
Waste and TFS	
Water and land	x
Nature protection	
Cross-cutting – tools and approaches	
1.2 Type of work you need funding for	
Exchange visits	
Peer reviews (e.g. IRI)	
Conference	
Development of tools/guidance	X
Comparison studies	X
Assessing legislation (checklist)	
Other (please describe):	
1.3 Full name of work (enough to fully describe what the work area is)	
Survey on Water Crimes, Water Related Crimes, response and resilience capacity of freshwater in Europe, first document and proposal for followup	
1.4 Abbreviated name of work or project	
Water Security in Europe (WES)	

2. Outline business case (why this piece of work?)

2.1 Name the legislative driver(s) where they exist (name the Directive, Regulation, etc.)
Council Conclusions on countering environmental crime - Council conclusions (8 December 2016) Dir 80/778/EEC Dir 91/676/EEC

Dir 98/83/EC
Dir 2000/60/EC
Dir 2008/99/EC

2.2 Link to IMPEL MASP priority work areas

<ol style="list-style-type: none"> 1. Assist members to implement new legislation 2. Build capacity in member organisations through the IMPEL Review Initiatives 3. Work on 'problem areas' of implementation identified by IMPEL and the European Commission 	X
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2.3 Why is this work needed? (background, motivations, aims, etc.)

The environment provides the very foundation of sustainable development, health, food security and economies. Ecosystems provide clean water supply, clean air and secure food and ultimately both physical and mental wellbeing. Natural resources also provide livelihoods, jobs and revenues to governments that can be used for education, health care, development and sustainable business models (UNEP/INTERPOL, 2016).

Particularly, water, the "blue gold" (BARLOW, 2001) – called for the first time in this way by the National Post in 1999 - is a basic essential of life and a strategic resource for the future of everyone, especially the poorest. Not only is it a vital need for human survival, groundwater has many roles in regulating the structure and functioning of healthy freshwater ecosystems (YOUNGER, 2007) and to flora and fauna. It constitutes the lifeblood of many industries, from tourism to mining, from agriculture to aquaculture.

Although more than 70 % of the Earth is covered in water, 97 % is held in the oceans. Of the remaining "not salty" water (3 %), only the 2 % is freshwater locked in snow and ice (e.g. glaciers), leaving less than 1 % accessible for human requirements (US Geological Survey, 2015). Moreover, freshwater is not evenly distributed: only 9 countries share 60 % of the total amount of freshwater, and Amazonia has 15 % of the total resources but only 0.3 % of the world's population (TOMINI, 2008). While 873 million people lack access to safe drinking water (UN, 2012), some predict that by the year 2025, 1.8 billion people will live in places and under conditions in which water is scarce" (see e.g. JOHNS, 2010; ARSENAULT, 2012; CIAMPI, 2013). Fresh water is renewable only by rainfall, at the rate of 40,000 to 50,000 km³ per year and global consumption of water is doubling every 20 years, more than twice the rate of human population growth: it means that the assumption concerning an infinite supply of water for the planet is false.

Moreover, within the next three decades, demand for water from agriculture could increase by 50 percent, and for urban uses by between 50 % and 70 %; by 2035, the energy sector is projected to consume 85 % more water (WORLD BANK, 2014). These increased strains will create unprecedented conflicts between different water uses, and inter-connected risks between them (WORLD BANK, 2016).

Activities and events threatening the quantity and quality of freshwater will have major consequences for health, business success and security; the harms and risks to water supply are associated with multiple causes that include industrial pollution and water theft through to global

warming. So, the reduced availability of freshwater, the tensions in trans-boundary basins, the human pressure on limited water resources, state-corporate level overconsumption and unequal distribution are among the causes that have made water a hot product exposed to criminals (CLARKE, 1999), highly exposed to illicit interests of individuals, companies, terrorists and organized crime.

Nevertheless, only recently there has been a criminological interest in water crime issues (WHITE, 2003, BRICKNELL, 2010; JOHNSON et al., 2015; BRISMAN et al., 2016). But, crimes against water remain difficult to assess, detect and prosecute, especially because water often crosses nation-state boundaries, cooperation is difficult, and data at national level are recorded under different categories of offences, and legislations and policies on freshwater vary from Country to Country. Furthermore, both physical and logical water management infrastructures are exposed to cyber and traditional terrorist threat (EUROPOL, 2014; ENISA, 2014), but intelligence and research are still scarce in this field.

The Council Conclusions on countering environmental crime - Council conclusions (8 December 2016) has recognised the role of IMPEL in countering environmental Crimes, but a common definition of "water crimes" is a challenging task. Furthermore, water-related crimes are often recoded under other offences – like fraud, corruption, trafficking, falsification of documents, terrorism – for the absence of a systematic analytical approach. The nature and extent of these kinds of activities is still relatively unknown.

Based on this background, this proposal aims at increasing knowledge on water crimes, engaging IMPEL Community in a project aimed at collecting and sharing information about the topic, its presence, its perception and management at competent authorities

2.4 Desired outcome of the work (what do you want to achieve? What will be better / done differently as a result of this project?)

IMPEL members will get a deeper understanding and awareness of the relevance of criminal offences on freshwater, and their impact on water stress and water security in Europe.

A survey between IMPEL members will provide innovative information on water crimes/water related crimes (knowledge/perception/victimisation), their risks, and the outlook in the next future. This information has never been collected systematically.

The survey will contribute to the development of an EU Water Crimes Threat Assessment, and to members' capacity to design a Water Security Strategy in Europe. The survey might be repeated annually, including new set of information every year

2.5 Does this project link to any previous or current IMPEL projects? (state which projects and how they are related)

2017 Networks Conference: IMPEL / ENPE / EUFJE / ENVI CrimeNet

Building on the momentum generated by the very successful 2016 Networks Conference that took

place in Utrecht 12-13 May, the Networks Conference show a practical way to develop a partnership with the networks of Judges (EU FJE), Prosecutors (ENPE) and Police (ENVI CrimeNet).

In this case, it is crucial to establish a real collaboration along the supply chain

3. Structure of the proposed activity

3.1 Describe the activities of the proposal (what are you going to do and how?)

1. Survey to IMPEL members through a questionnaire (in English)
2. Presentation of preliminary results at IMPEL meeting
3. Design of EU Water Crimes Threat Assessment
4. Preparation of the final document
5. Presentation of final documents at IMPEL meeting

This programme can be replied

3.2 Describe the products of the proposal (what are you going to produce in terms of output / outcome?)

- A. Water Crimes Threat Assessment document (in English)

3.3 Describe the milestones of this proposal (how will you know if you are on track to complete the work on time?)

1. Questionnaire ready for circulation – month 3
2. End of survey – month 6
3. Circulation of First draft – month 9
4. Circulation of final draft – month 11

The milestone can be replied (milestone 1 includes the update of the survey)

3.4 Risks (what are the potential risks for this project and what actions will be put in place to mitigate these?)

Low risk project.

It is to be considered, anyway, the scarce experience of IMPEL Members

4. Organisation of the work

4.1 Lead (who will lead the work: name, organisation and country) – this must be confirmed prior to submission of the TOR to the General Assembly)

Claudia Carpino, - Ministero dell'Ambiente e della Tutela del Territorio e del Mare – Italy

4.2 Project team (who will take part: name, organisation and country)

TBD (approx. 3 members from Organizations belonging to IMPEL)

4.3 Other IMPEL participants (name, organisation and country)
TBD
4.4. Other non-IMPEL participants (name, organisation and country)
The activity will be supported by Research Centre on Security and Crime, RiSSC – Italy, through a consultancy contract

5. High level budget projection of the proposal. In case this is a multi-year project, identify future requirements as much as possible

	Year 1 (exact)	Year 2	Year 3	Year 4
How much money do you require from IMPEL?	16860 €			
How much money is to be co-financed	0			
Total budget	16860 €			

6. Detailed event costs of the work for year 1

	Travel € (max €360 per return journey)	Hotel € (max €90 per night)	Catering € (max €25 per day)	Total costs €
<u>Event 1</u>				
<i>Project Meeting (two half days)</i>				
<i>May 2018</i>				
<i>Venezia</i>				
<i>4 participants</i>				
<i>2 night accommodation</i>	1460 (4x1)	720 (4x2)	200 (4x2)	2360
<u>Event 2</u>				
<i>Final Workshop</i>				
<i>End of 2018</i>				
<i>Roma</i>				
<i>20</i>				
<i>1 night accommodation</i>				
	7200 (20x1)	1800 (20x1)	500 (25x1)	9500
<u>Total costs for all events</u>				11860

7. Detailed other costs of the work for year 1

7.1 Are you using a consultant?	X Yes No
7.2 What are the total costs for the consultant?	5000 €
7.3 Who is paying for the consultant?	
7.4. What will the consultant do?	
7.5 Are there any additional costs?	Yes No Namely:
7.6 What are the additional costs for?	
7.7 Who is paying for the additional costs?	
7.8. Are you seeking other funding sources?	<input type="checkbox"/> Yes <input type="checkbox"/> No Namely:
7.9 Do you need budget for communications around the project? If so, describe what type of activities and the related costs	<input type="checkbox"/> Yes <input type="checkbox"/> No Namely:

8. Communication and follow-up (checklist)

What	By when (dates can be updated according to project start date)

<p>8.1 Indicate which communication materials will be developed throughout the project and when</p> <p><i>(all to be sent to the communications officer at the IMPEL secretariat)</i></p>	<p>TOR[✓] *</p> <p>Interim report[✓] *</p> <p>Project report[✓] *</p> <p>Progress report(s)[✓]</p> <p>Press releases</p> <p>News items for the website[✓] *</p> <p>News items for the e-newsletter</p> <p>Project abstract[✓] *</p> <p>IMPEL at a Glance[✓]</p> <p>Other, (give details):</p>	<p>X</p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p>X</p> <p></p>	<p>01/01/18</p> <p>30/06/18</p> <p>30/11/18</p> <p></p> <p>30/11/18</p> <p>30/11/18</p> <p>30/11/18</p> <p></p>
<p>8.2 Milestones / Scheduled meetings (for the website diary)</p>	<p>Questionnaire out – month 3</p> <p>Project meeting – month 3</p> <p>Questionnaire in – month 6</p> <p>Final Workshop – month 11</p>		
<p>8.3 Images for the IMPEL image bank</p>	<p>YES X NO</p>		
<p>8.4 Indicate which materials will be translated and into which languages</p>	<p>Project abstract (dependent on project team members)</p>		
<p>8.5 Indicate if web-based tools will be developed and if hosting by IMPEL is required</p>			
<p>8.6 Identify which groups/institutions will be targeted and how</p>	<p>All IMPEL members via questionnaire</p>		
<p>8.7 Identify parallel developments / events by other organisations, where the project can be promoted</p>			

[✓]) Templates are available and should be used. *) Obligatory

9. Remarks

Is there anything else you would like to add to the Terms of Reference that has not been covered above?

*In case of doubts or questions please contact the
IMPEL Secretariat.*

*Draft and final versions need to be sent to the
IMPEL Secretariat in word format, not in PDF.*

Thank you.