**Annex 5**

**Mid-Term Evaluation Report**

**(Individual)**

**Water Joint Programming Initiative**

**2018 Joint Call**

*Closing the water cycle gap - Sustainable management of water resources*

These Project Management Guidelines will be effective from the date of the National funding decisions and shall remain in force until the last final project report is approved in 2022.

**The Mid-Term Consensus Report will be made available to the Consortium as well as CSC and JPI Water GB.**

**MID-TERM INDIVIDUAL EVALUATION REPORT**

**PROJECT TITLE AND ACRONYM**

Name of Coordinator: Jan Kwakkel

Project code: WaterWorks2017-IN WOP

Duration of project: 36 months

Start date:  **1July 2019** End date: **30 June 2022**

**DETAILS OF THE EVALUATOR**

Name: Gaëtane SUZENET

Organisation: International Impact Partners

Date of review: 2 April 2021

### **Scientific and technological progress**

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| *Progress towards achieving objectives 1and 2 has been made, albeit not to the expected extent. None of the milestones have been achieved yet.*  *WP1: The project partners have been developing an ethically-informed many-objective framework for water resources management. They focussed on reviewing both ethical issues in each of the 3 case studies and the potential role and operationalization of distributive justice. The mid-term report does however not mention how the other criteria indicated in the main proposal will be considered.*  *Findings were different in each case study and were used for designing the framework that will focus on inter-generational and distributive justice and tested in the 3 areas. A position paper will be issued.*  *Because of COVID 19, the partners decided to develop a ‘stylized case study’ that would entail the main characteristics of the 3 case studies and serve as an example of how the framework can be applied. A cross comparison model has also been developed.*  *WPs2, 3, 4: Each WP entails similar tasks to be undertaken. The level of achievement for each is however different. Whilst progress has been made for the Lake Como study area, concerning the stakeholders identification, model operationalization and the integration of the many–objective approach, work for the Seine River and The Meguellil Basin has been less advanced because of constraints linked to COVID 19 and staffing issues.*  *The multi-disciplinary approach has been limited due to the lack of interactions with other stakeholders.*  *Publications are forthcoming, as well as participations in conferences.* |

### **Collaboration, coordination and mobility within the Consortium**

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| *The mid-term report demonstrates the efficiency of the coordination and organisation of the project fairly well. Because of the COVID 19 situation, the consortium organised periodic (virtual) progress meetings. 11meetings (including the kick-off meeting) were organised over the period running from November 2019 to October 2020. The collaborative and mobility aspects were limited because of the constraints linked to the COVID 19 situation. Nonetheless, the bilateral collaborations and interactions between the project partners, through online exchanges, have been effective (one example of interactions is the development of the stylized case study, which involves the 4 partners from Italy, Tunisia, the Netherlands and France, with the Politecnico di Milano, guiding INAT and the French partners in the model operationalization). Partners have also been working bilaterally for the literature review and survey design. The transnational aspect is a key feature of the project as the latter is carried out in 4 different countries. The added value of it mainly lies in the possibility to use the case studies as potential bases for identifying the necessary key elements that will both mainstream many objectives optimization approaches in water resources management and align different stakeholders’ interest and preferences. This is however still being to be demonstrated.* |

### **Coordination with other international project funded by WaterWorks2017, or other instruments**

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| *The project consortium mainly interacts with another WaterWorks2017 project, i.e. SIMTWIST. In particular TU Delft and Wageningen University and Research interact to explore how the knowledge built on modelling with stakeholders by TU Delft could benefit SIMTWIST.*  *Politecnico di Milano built on their participation in the H2020 DAFNE project to particularly explore the value of including ethics and equity issues in water resources management and infrastructure planning. The DAFNE project was meant to be completed in October 2020.* |

### **Coverage of the themes and sub-themes of the call**

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| *The IN-WOP project relates to Theme 1. ‘Enabling sustainable management of water resources’ and particularly sub-theme 1.1 ‘Promoting adaptive water management for global change’, and to Theme 2 Strengthening socio-economic approaches to water management and in particular to sub-theme 2.4 ‘Promoting new governance and knowledge management approaches’.*  *The project results are still early stage and have only consisted in building the knowledge and information (through the literature review, survey design and the interviews), as well as the case studies. Therefore the connection and relation between the project outcomes to date and themes are difficult to demonstrate under this reporting period.* |

1. **Stakeholder/industry engagement**

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| *Stakeholders’ involvement is at the core of the project, through the case studies’ approach. Engagement with stakeholders has been delayed due to COVID 19. It has however been initiated in the 3 case studies’ areas, albeit with different progress paces.*  *In the Lake Como, the main stakeholders have been identified and discussions on indicators to be included in the framework have been on going. Interactions with the regional and local stakeholders were also successful.*  *The French partners were able to meet only with the Hydrology Director of EPTB Seine Grands Lacs to support the case study building (the main area of concern is the impact of climate change on future floods, the potential consequences on Paris and its surroundings and the necessary adaptive management of the reservoirs). The meetings with the other stakeholders were postponed due to COVID 19.*  *In the Meguellil river basin, stakeholders have been identified. They have been providing data to refine the System Dynamics Model that has already been developed for the Kairouan region. Discussions have also been on going to identify the problems and potential solutions. Nonetheless, no details on the latter are provided.*  *No industry engagement is planned in the project.* |

### **Recommendations for improvements/amendments of the report**

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1. **Recommendations/ problems and risks**

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| *The main problem identified is related to the COVID 19 situation, which has hampered to fully implement the stakeholders’ involvement process, and limited the collaboration with the relevant stakeholders on the case studies’ sites.*  *A recommendation may be to give an outline of the outcomes of the interactions with the SWIMTWIST and DAFNE projects, and how these influenced the course of the IN-WOP project, in particular as regards the DAFNE project.* |