**Annex 4**

**Template for Final Progress Report**

**AquaticPollutants Joint Transnational Call 2020**

*Risks posed to human health and the environment by pollutants and pathogens present in water resources*

This Template should be used by the Project Coordinator for the reporting of the project results of the entire project consortium.

**This template does not substitute national regulations**

**AquaticPollutants Joint Transnational Call**

**Mid-Term Progress Report**

Risks posed to human health and the environment by pollutants and pathogens present in water resources

**Project Title & Acronym**

This document must be filled in by the project coordinator with the help of all project partners and must be sent to the AquaticPollutants Follow-up Secretariat by **xxxxxxx** (for Consortium XXX)**.**

The AquaticPollutants Follow-Up Secretariat will ensure distribution to the concerned national funding agencies. The project coordinator is responsible for sending a copy of the report to the project partners.

**PROJECT TITLE AND ACRONYM**

Author of this report (Coordinator): Date of submission:

E-mail:

Project Website:

Project code: AquaticPollutants-CONSORTIUM ACRONYM

Duration of project:

Start date: End date:

Period covered by this report:

Title of the Final Technical Report:

Authors of the Final Technical Report:

Please ensure that you do enclose the Final Technical Report as an Appendix to this report. If this report cannot be made available publicly in reason to IPR considerations, please provide also a version of the Final Technical Report for dissemination (Public Report).

### Publishable Summary

*Maximum 1 page*

|  |
| --- |
| The content of this section is intended for communication by the Water, Oceans and AMR JPIs on the project, mainly through their websites. The style should be adapted to communicate to a wide audience (**non-technical** English) and the quality of the data must enable direct publication.  The authors authorise the publication of information about this project by the aforementioned JPIs.  The publishable summary should provide the following information:   * *The project context and objectives;* * *The approaches used, methods and the work performed since the beginning of the project;* * *The* ***results*** *and their scientific and socio-economic* ***impact*** *and use; and* * *The address of the project’s public website, if applicable.* |

### Work Performed and the Results achieved within the Project

Maximum 10 pages.

#### Scientific and technological progress

|  |
| --- |
| * *Please describe the work performed and the results obtained during the lifetime of the project, and the conformity of work progress within the initial schedule. You can use the Executive Summary from your Final Technical Report here.* * *Did the project achieve its main objectives, milestones and deliverables?* * *All deliverables MUST be included as Annexes to this Report. The annexes CANNOT substitute concise but comprehensive completion of this section.* * *How did the project promote a multidisciplinary approach during its lifetime?* |

#### Collaboration, coordination and mobility

* *Please describe how the work was distributed among partners.*
* *Describe how effective was the collaboration between partners (incl. in-kind partners) and how it is reflected in the results (e.g. tools comprising multidisciplinary elements, joint publications, etc.).*
* *Does the project still meet the transnational nature? Please explain.*
* *Were the coordination and organisation of the project effective? Please explain.*
* *Please, describe the mobility of the researchers within the Consortium.*
* *How did the project and/or researchers’ careers benefit from the mobility within the Consortium?*
* *Please indicate coordination with other projects funded in the 2018 Joint Call or national and international projects funded by other instruments*
* *Evaluation of the cooperation with the Transfer Project: Has the cooperation with the Transfer Project created an added value for your project? (applies for R&D projects only)*
* *Evaluation of the cooperation with the JTC projects (applies for the Transfer project only)*

#### Impact and knowledge output

* *Where do the results of the project have the potential to create impact. Please, go beyond scientific impact of results and publications and describe impact in e.g. industry, end users, policy, etc.*
* *Which of the impacts are more likely to occur? Which ones are generating impact nowachieved?*
* *Have the partners identified exploitable results?*
* *Has intellectual property protection been considered?*

#### Which AquaticPollutants JTC theme/themes were addressed by the project? How did the project cover the main aims & objectives of the Call?

*Please, mark in the list below the theme and subthemes, and elaborate on the contribution ot the project to them.*

Theme 1. Measuring - Environmental behaviour of contaminants of emerging concern (CECs), pathogens and antimicrobial resistant bacteria in aquatic ecosystems.

• Sub-theme 1.1. Assessment of the significance of different potential sources, reservoirs and pathways of CECs and pathogens including antimicrobial resistant bacteria

• Sub-theme 1.2. Understanding and predicting the environmental and cumulative behaviours of contaminants of emerging concern (CECs) and pathogens including antimicrobial resistant bacteria, including the development of tools and digital solutions

Theme 2. Evaluating - Risk Assessment and Management of contaminants of emerging concern (CECs), pathogens and antimicrobial resistant bacteria from aquatic ecosystems (inland, coastal and marine) to human health and environment.

• Sub-theme 2.1. Characterising the exposure routes and effects of CECs and pathogens including antimicrobial resistant bacteria, on aquatic ecosystems and on human health

• Sub-theme 2.2. Development of integrated risk assessment and risk management procedures

• Sub-theme 2.3. Parameters and strategies for monitoring potential antimicrobial resistant bacteria

Theme 3. Taking Actions - Strategies to reduce contaminants of emerging concern (CECs), pathogens and antimicrobial resistant bacteria in aquatic ecosystems (inland, coastal and marine).

• Sub-theme 3.1. Implementation of strategies to reduce CECs and pathogens, including antimicrobial resistant bacteria at the source

• Sub-theme 3.2. Development of methods for preventing the spread of CECs and pathogens, including antimicrobial resistant bacteria

• Sub-theme 3.3. Assessment of management measures and technologies to reduce the impact of CECs and pathogens including antimicrobial resistant bacteria, on water quality

#### Is the collaboration between Consortium partners expected to continue after the funding period? If yes, please describe how.

Please, indicate concrete actions taken to continue collaboration

### Table of Deliverables

Please indicate whether the planned deliverables were completed, delayed or readjusted. Please explain any changes/difficulties encountered and solutions adopted. Please add/delete rows, as necessary in the table below.

| **Deliverable name** | **Lead partner (country)** | **Date of delivery**  **(dd/mm/yyyy)** | **Changes, difficulties encountered and new solutions adopted** |
| --- | --- | --- | --- |
| **WP1** |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **WP2** |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **WPX** |  |  |  |
|  |  |  |  |
|  |  |  |  |

### Budget review

Please include a budget breakdown here, i.e. how the funding was used.

*Please indicate budget and execution per partner and main cost categories. This section does not substitute financial reporting of partners to their respective national funding agencies.*

### Consortium Meetings

Please fill in the table below, add/suppress fields as necessary in the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N°** | **Date** | **Location** | **Attending partners** | **Purpose** |
| **1** |  |  |  |  |
| **2** |  |  |  |  |
| **3** |  |  |  |  |
| **.** |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

### Stakeholder/Industry Engagement

On the basis of sentences below (from the Call Announcement), please describe how stakeholders have been involved in the project.

*“Participation of stakeholders (i.e. small and medium enterprises (SMEs), industries, authorities, public administrations, associations, as well as civil society organizations) is encouraged.”*

*“Proposals should build on on-going research activities, i.e. the state-of-the-art at EU level and beyond providing synergies. They should describe opportunities and initiatives for cooperation with these activities.”*

Please, elaborate on the added value of the stakeholders’ engagement to the project’s results.

### Impact Statement

On the basis of sentences below (from the Call Announcement), please, describe the impacts resulting from your work:

*“Cross-cutting issues such as socio-economic and/or capacity developing aspects (contributions to standards and norms) constitute an added value to RDI in this field.”*

Please, describe any other (unexpected?) impact the project has made.

### Knowledge Output Transfer

For each of the Knowledge Output arising from the project, please complete the following table. (outputs with relevance for practitioners from the sectors mentioned in the table)

|  |  |
| --- | --- |
| Short Title  *Please provide a short and concise title to describe the Knowledge Output* |  |
| Knowledge Output Description *(Max 500 characters).*  *Please only include generated Knowledge Outputs, not those that are expected. Note: Knowledge Outputs can be non-deliverables, milestones or ‘grey knowledge’. Also, multiple Knowledge Outputs could exist within one deliverable, and should be separated.*  *Try to give a comprehensive description, making the Knowledge Output fully understandable to a non-expert.*  *If relevant please provide detail of where the Knowledge Output differs from its equivalent, e.g. What are the key characteristics of the Knowledge Output? What research is it adding to and what is innovative about the Knowledge Output? (Max 500 characters).* |  |
| Knowledge Type | Please choose one option – delete the rest:  \* exploitable scientific result  \* scientific publication  \* report  \* book/review  \* RTD protocol/technical manual  \* guidelines/standards  \* training activity/learning module  \* software/modelling tools  \* product  \* prototype  \* services/tools  \* multimedia  \* data  \* other |
| Link to Knowledge Output  *If you can provide a link to the Knowledge Output then please do so, e.g. digital object identifier (DOI), web address, download, research paper.*  *If the Knowledge Output is not publicly available currently but will be in the future, please provide details. Also, if it is available but only upon request, please state this.*  *If the Knowledge Output is not planned to be publicly available, please state "Not available for public".* |  |
| Sectors & Subsectors  *Choose as many options as required from the list. Pick those sectors that you think would benefit from the application of this Knowledge Output.* | * Basin Management * Flood Risk Management * Water Scarcity and Droughts * Drinking Water * Bathing Water * Emissions and Water Reuse * Adaptation to Global Change * Blue Economy, Fisheries, Seafood * One health approach (antimicrobials, multiresistance, biofilms, enzibiotics…) * Others   + Other General   + Agriculture   + Governance   + Consumer Health & Welfare   + Finance   + Modelling & Prediction   + Socio-Economics   + Stakeholder Involvement |
| End User  *Choose as many options as required*  *Per identified End User, please identify possible applications of the Knowledge Output.* | o Education & Training  o Environmental Managers & Monitoring  o Industry  o Policy Makers / Decision Makers  o Scientific Community  o Civil Society  o Other |
| IPR  *Please indicate whether IPR has been applied to this Knowledge Output (applied for a patent, copyright etc), or not.*  *Please insert "n/a" if no IPR has been applied.* |  |
| Policy-Relevance  If the Knowledge Output is relevant to the WFD or any other related Directives, please list and explain why |  |
| Status  *Please identify whether the Knowledge Output is finalised, is still being generated or whose status/future is unknown. Consider:*  *• Is your knowledge conclusive enough that it provides sufficient evidence to make an impact on, or be applied by, an End User?*  *• Is there a corroborating body of evidence, or are contradictory results, available?*  *• Does your knowledge progress beyond the current state-of-the-art / evidence base?*  *• Is more research or demonstration needed to validate the results?* |  |

### Open Data

In relation to Open Data, the funded projects will be requested to submit metadata on all the resources directly generated by the project, as well as additional information on how these data will be exploited, if and how data will be made accessible for verification and re-use, and how it will be curated and preserved. Metadata on all project publications and resources are required to be submitted as part of the final reporting. This will be done via the **Open Data & Open Access** **platform**, available at: <http://opendata.waterjpi.eu/> (also accessible from the bar menu of the Water JPI website).

### List of Publications produced by the Project - Open Access

* Please list all oral presentations, posters, and publications in scientific, peer-reviewed journals listed in Web of Science derived from this project, separating those in preparation, those in review and those accepted or in press.
* You can provide web sites and/or electronic copies of the key ones.
* Please indicate all the co-authors for each publication.
* Please order publications per date (chronologically) and for each year by alphabetical order

|  |  |  |
| --- | --- | --- |
| International | Peer-reviewed journals | 1.  2.  3. |
| Books or chapters in books | 1.  2.  3. |
| Communications (presentations, posters) | 1.  2.  3. |
| National  (separate lists for each nationality) | Peer-reviewed journals | 1.  2.  3. |
| Books or chapters in books | 1.  2.  3. |
| Communications (presentations, posters) | 1.  2.  3. |
| Dissemination initiatives | Popularization articles | 1.  2.  3. |
| Popularization conferences | 1.  2.  3. |
| Others | 1.  2.  3. |

### Personnel

List all staff participating in the project. Please indicate in what cases staff is contracted specifically for the project, including:

1. Name.
2. Gender.
3. Major/Degree field:

List all students supported by or affiliated with this project, including:

1. Student Name.
2. Gender
3. Degree:
4. Dissertation/Thesis title (for PhD students):
5. Country:

### Problems Encountered during project implementation

* Please indicate if any problems were encountered during the Project Implementation.
* Did any of the partners find difficulties related to the grant agreement, the availability of funds at national level or other similar issues not specifically related to the technical part of the project?

Additional information will be included in the report template at the distribution phase.