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BioQantSense

**Twinning for excellence of the Serbian Research Center
for quantum biophotonics**

Work Package 1

Development of institutional strategy

Deliverable 1.4

Overview of evaluation measures

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1. Summary of the deliverable

This deliverable is to specify, and where possible to quantify the project achievements, both scientific and administrative ones, as they were proposed in the project and given in the Grant Agreement. Specification of accomplished results of the project follows the summary of measures to be implemented during the project, measures aimed for improving IPB, in both scientific and organizational aspects. These measures were cataloged and as such given in the proceeding deliverables, D1.2 and D1.3. There, we identified steps, a training requirements, to be taken to considerably improve both scientific and administrative achievements. After six months into the project, and after a few visits from IPB to CNR and FSU, and after many discussions via online conferences, we are in position to update the list of planned mid of January, achievements, and in some cases capable of giving an estimate, in numbers, for the major project achievements. In the first part of the deliverable, we give such list of project achievements, presenting for each of them - expected minimum. In the second part the role of Project Management Board in evaluation of achievements and in definition of measures to be applied for reaching expected achievement, is given.

2. Quantifying achievements for scientific and management excellence at IPB

We value the project achievements by the qualities of the results of numerous tasks, described in the project proposal. These tasks serve to fulfill objectives of the project that are in line with expectations by Twinning projects, learning course during numerous visits, attendance and presentations at project meetings and at international conferences, and then implementations of a new knowledge and skills in the development and successful outcome of the exploratory project, resulting in publications in peer review journals.

Starting from catalogue of measures reported in D1.3 the PMB defined two macro-categories of measures to be evaluate during the BioQantSense project implementation, for the scientific and management improvements.

- A. Scientific Training Measures to be evaluated.
 - a. Evaluation of exchange visits:
 - i. N. visits at IPB from Senior Researchers with high expert profile (TARGET at least 4)
 - ii. N. of visits at CNR from IPB Senior Researchers (TARGET at least 2)
 - iii. N. of visits at FSU from IPB Senior Researchers (TARGET at least 2)
 - iv. N. of visits at CNR from IPB Junior Researchers (TARGET at least 4)
 - v. N. of visits at FSU from IPB Junior Researchers (TARGET at least 4)
 - b. Number of beneficiaries of mutual exchange visits:
 - i. Junior researchers (TARGET at least 4)
 - ii. Senior researchers (TARGET at least 3)
 - c. Evaluation of training on funding capabilities (including interactions by email and VC)
 - i. N. of researchers trained in submission and management of EC projects (TARGET at least 4)
 - ii. N. of new proposal submitted (TARGET at least 1)
 - d. Attendance of meetings/international conferences from IPB researchers in Quantum-Bio-photonics scientific topics
 - i. Senior researchers: invited talks (at least 2)
 - ii. ESR and PhD (target minimum 6)
 - e. Workshops organized or joined by IPB members
 - i. To be completed by IPB...(e.g. Senior researchers/PhD/junior post-docs, specify if invited, etc.) - split in different indexed points when necessary
 - f. Impact of produced scientific results on the state-of-the-art (To be completed by IPB)
 - i. publications in international peer-reviewed journals,
 - ii. presentations at international conferences,
 - iii. prototypes of system or technical solution developed,
 - g. Impact on active research lines at IPB (To be completed by IPB)
 - i. (at least exploratory project new lines?)
- B. Management and Administrative Measures to be evaluated

- a. Number of exchange visits:
 - i. N. of visits at IPB from CNR management staff (TARGET at least 1)
 - ii. N. of visits at CNR from IPB management staff (TARGET at least 1)
 - iii. N. of visits at FSU from IPB management staff (TARGET at least 1)
- b. Number of beneficiaries of mutual exchange visits:
 - i. Management staff (TARGET at least 1)
 - ii. Senior researchers (TARGET at least 3)
- c. Evaluation of training on funding capabilities (including interactions by email and VC)
 - i. N. of management/administrative staff trained in submission and management of EC projects (TARGET at least 2)
 - ii. N. of new proposal submitted (TARGET at least 1)
- d. Evaluation of training on cooperation modalities aimed to innovation and technology transfer
 - i. N. of management/administrative staff trained in existing frameworks of cooperation with non-scientific sector for innovation and technology transfer (TARGET at least 2)

3. Role of Project Management Board

Progress towards project achievements is expected if measures catalogued in the preceding deliverables are well implemented. It is up to the Project Management Board (PMB) to value applied measures, through observed levels of achievements. PMB coincides with the decision-making body, named General Assembly in the Consortium Agreement of BioQantSense, nominated by the partners in January 2023. Since scopes and results of tasks will be discussed by PMB on a quarterly base, feedback will be given by PMB for a specific measure when a level of achievement is not up to expectation. Specific measures of the catalogue will be evaluated and feedback to these measures will be continuously collected, discussed, and implemented. The success of each measure will be further evaluated during annual project workshop. The project evaluation board, PMB, at the first project workshop, will nominate external expert who can help in evaluation of project results and in defining feedback measures for sustained progress towards expected achievement.