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| Measuring Mobile Broadband Networks in Europe |
| **Open Call 1**First MONROE Open Call for Experiments and Extensions |
| Full Title of your proposalAcronym of your proposal (optional) |
| Main target of proposal | “Scientific Excellence” or “Industrial Innovation”  |
| Date of preparation of your proposal: | xx/yy/2016  |
| Version number (optional): |  |
| Your organisation(s) name(s): | Your organisation(s) name(s) |
| Name of the coordinating person: | Name of the coordinating person |
| Coordinator telephone number: | Coordinator telephone number |
| Coordinator email:[This is the email address to which the Acknowledgment of receipt will be sent] | Coordinator email |

Note: Grey highlighted areas needs to be filled

# Section A Project Summary

*(Maximum 300 words – summary of the proposed work)*

*Remark: The information in this section may be used in public documents and reports by the MONROE consortium.*

# Section B Detailed description and expected results

*(minimum 4 to maximum 7 pages)*

*This section describes the details on the planned experiment and/or extension: what does the experimenter hope to obtain, how, why is it relevant? This section should also include all information with respect to the State-of-the-Art or a comparison to competing commercial solutions in case of experiments targeting ‘industrial innovation’ to show the innovative character of the experiment and/or extension, and the expected scientific or business impact.*

## Concept and objectives

*Describe the specific objectives of the proposed experiment and/or extension, which should be clear, measurable, realistic and achievable within the duration of the experiment and/or extension (not through subsequent development). Show how they relate to the topic(s) addressed by the competitive call and how/why MONROE is needed for realizing them.*

*Describe and explain the overall concept that forms the basis for your experiment and/or extension. Describe the main ideas, models or assumptions involved.*

## Impact

***For experiments targeting ‘’Scientific Excellence”:*** *Describe how this experiment fits in your internal research roadmap, and to which extent the broader research community can benefit from the results of the experiment.*

***For experiments targeting ‘’Industrial Innovation”:*** *Describe how this experiment fits in your activities, and how this experiment may strengthen the competitiveness of your business and the growth of your company.*

***For extensions:*** *Explain the need for the extension for your proposed experiment (if applicable). Describe the potential that the extension will be used by future experimenters from the broader scientific community as well as developers from industry, in particular individuals and SMEs, in subsequent (funded) MONROE open calls or by (non-funded) open access of MONROE facilities and software platforms.*

***For any experiment and/or extension****: Show that the proposed experiment and/or extension have sufficient sustainable benefits for the MONROE project. Clearly indicate the added value for the MONROE project, especially after the proposer has finished his experiment or extension. Indicate any models that can help sustain and extend the MONROE platform and its usage beyond the project budget and project ending.*

## Description of State-of-the-Art and Innovation Potential

***For experiments targeting ‘’Scientific Excellence”:*** *Describe the advances the proposed experiment would provide beyond the state-of-the-art, and the extent the experiment is ambitious.*

***For experiments targeting ‘’Industrial Innovation”:*** *Describe in detail how the proposed solution compares with existing solutions in the field covered by the experiment. Are there similar experiments, products, services, etc. on the market?*

***For extensions:*** *Describe in detail how the extension will advance existing software or hardware of the MONROE platform, and to which extent the functionality added by the proposed extension is different from the functionality that is already available in the existing platform.*

## Methodology and associated work plan

*Provide a work plan. Provide clear goals and verifiable results, and also a clear timing. Specify the milestones and deliverables. For proposals that have 2 participants, please clearly specify the roles and responsibilities for each of the participants.*

*The work plan involves at least the phases indicated below. Some sample milestones and deliverables are also shown. Note that while these are intended as sample timing, the two deliverables indicated must be included in all proposals.*

1. *Design of experiment and/or extension*

***MS1:*** *Basic experiment/extension design and execution/implementation in MONROE test environment (M3)*

***D1:*** *First feedback report on the platform (M3)*

***MS2:*** *Experiment/extension design completed and ready to be deployed (M6)*

1. *Executing the experiment and/or implementing the extension*

***MS3:*** *First run of experiments and/or prototype implementation of extension complete (M10)*

***MS4:*** *Second run of refined experiments and/or final implementation of extension complete (M16)*

1. *Analysis & feedback*
* *Analysis of the results of the experiment and/or extension*
* *Feedback on user experience*
* *Recommendations for improvements or future extensions of MONROE platform*

***MS5:*** *Analysis of first round of experiments and/or tests of prototype implementation of extension complete (M13)*

***MS6:*** *Analysis and tests complete and feedback gathered for final report (M18)*

1. *Dissemination: Regular dissemination actions (journal publications, conferences, workshops, exhibitions, FIRE events, advertising of results at MONROE website, etc.). Demonstrations of the experiment or extension at related events for further promotion of MONROE.*
2. *Final report, code and documentation*

***D2:*** *Final report (M18)*

# Section C Requested MONROE Resources

*(maximum 1 page)*

*Please check MONROE resources**that will be required for your experiment.*

|  |  |
| --- | --- |
| **Resources**  | **Required (Yes/No)** |
| Access to mobile nodes |  |
| Access to multiple interfaces simultaneously |  |
| Kernel modifications |  |
| Bandwidth intensive tests (e.g. video streaming) |  |
| Continuous access to the platform (e.g. ping test for a long period) |  |
| Access to the data produced by MONROE |  |

*Please provide more information on why specific resources will be required for the proposed experiment or extension. Please also specify when and how you will be running experiments on the platform.*

# Section D Expected feedback to the MONROE Consortium

*(maximum 1 pages)*

*This section contains valuable information for the MONROE consortium and should indicate the expected feedback the MONROE consortium can expect from the use of its platform after carrying out the experiment and/or extension. This information is essential in view of further improving the MONROE platform. Note that providing this feedback is one of the key motivations for the existence of the MONROE open calls.*

# Section E Background and qualifications

*(maximum 1 page)*

*This section describes the proposer and includes an overview of the activities, the proposer’s qualifications, technical expertise and other information to allow the reviewers to judge the proposer’s ability to carry out the experiment. For proposals that have 2 participants, please clearly describe the qualifications and expertise of each participant and how the two participants complement each other.*

# Section F Requested funding

*(maximum 1 page)*

*This section provides an overview of the budgeted costs and the requested funding. A split is made in personnel costs, other direct costs (travel, equipment, etc.) and indirect costs. For proposals that have 2 participants, please clearly indicate the distribution of the costs between the two participants.*

*Besides the table below, extra information can be provided to support the requested funding and which may help to judge the cost to the MONROE project.*

*For proposals that include a HW extension to the platform, the cost for this extension should be detailed, including expected costs for subscriptions (when applicable). The cost of MONROE nodes can be estimated as 800 EUR per node. For mobile nodes, special equipment for busses and trucks can be estimated as an additional 100 EUR per node.*

*Please show your figures in euros (not thousands of euros).*

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| --- | --- | --- |
|  | **Total PM** | **Cost (**€**)** |
| 1. Direct Personnel costs |  |  |
| 2. Other direct costs |  |
| 3.Total direct costs (sum of row 1 and row 2) |  |
| 4. Indirect costs (25% of row 3) |  |
| 5. Total costs (sum of row 3 and row 4) |  |
| 6. Requested funding (up to 150000 EUR) |  |

*In row 1, insert your personnel costs for the work involved.*

*In row 2, insert any other costs, for example equipment costs for HW extension or travel costs. Please allocate sufficient budget for possible visit(s) to MONROE events and workshops.*

*In row 3 calculate the sum of your personnel and other direct costs.*

*In row 4, calculate the indirect costs that is 25% of the total direct costs.*

*In row 5, calculate the total costs as sum of total direct and indirect costs.*

*In row 6, indicate the requested funding. The maximum funding which is allowed in this call is set at 150 000 €.*

# Section H Use of proposal information

*In this section the proposing party is asked to include some statements related to sharing information of his proposal within the MONROE consortium.*

*Proposals are treated in a confidential way, meaning that only successful proposals must be disclosed to the MONROE consortium. Open calls previously organized by other FIRE projects were very successful and have revealed that many submitted non-granted proposals also contain very interesting and valuable information that could be used for setting up collaborations or to extract ideas for further improving the federated test infrastructures. Therefore the MONROE project would like to have the opportunity to collect more detailed information and further use this information, also if the proposal is not selected for funding. In any case, the MONROE consortium will treat all information of a proposal confidentially.*

*Two types of information usage are envisaged:*

* *Information which is part of the Sections A, C and D will be used within the MONROE project as input for tasks related to platform optimizations, sustainability studies, etc. The same information can also be used in an anonymous way to create statistics and reports about this first open call. All proposals submitted to this competitive open call are obliged to allow this form of information access and usage.*
* *Other information belonging to this proposal might also be accessed by the MONROE consortium, if allowed by the corresponding proposer. Any use of such information will be discussed and agreed upon with the proposers. Proposers have the freedom to select if they wish to support this kind of information usage.*

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| I allow that the material provided in Sections A, C and D of this proposal may be accessed by the MONROE consortium, also if the proposal is not selected for funding. In any case, the MONROE consortium will treat all this information confidentially. It will be used within the MONROE project as input for tasks related to testbed and software platform optimizations, sustainability studies, etc. The same information can also be used in an anonymous way to create statistics and reports about this first open call.  | Yes  |
| Furthermore, I allow that the other parts of this proposal may be accessed by the MONROE consortium, also if the proposal is not selected for funding. In any case, the MONROE consortium will treat all information of this proposal confidentially. Any use of this information will be discussed and agreed upon with the proposers.  | Yes  | No  |

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