|  |  |  |
| --- | --- | --- |
| **creen Shot 2016-03-16 at 10.58.22.png** | |  |
| Software Defined Networks and Network Function Virtualization Testbed within FIRE+ | | |
| **Open Call 3**  Third SoftFIRE Open Call for Experiments and Extensions | | |
| Full Title of your proposal  Acronym of your proposal (optional) | | |
| Main target of proposal | “Scientific Excellence” or “Industrial Innovation” | |
| Date of preparation of your proposal: | dd/mm/2017 | |
| Version number (optional): |  | |
| SoftFIRE Objective addressed | Objective | |
| Your organization(s) name(s): | Your organization(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. Word template can be downloaded from SoftFIRE project website (see <http://www.softfire.eu/open-calls>)

# 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 SoftFIRE consortium. Please indicate the SoftFIRE objective you are addressing.*

# 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.*

## Technical and Innovation Value

*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 SoftFIRE is needed for realizing them. These objectives will be scrutinized at the final review of the experiment*

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

*Emphasize the Multidisciplinary contribution*

*Provide hints on how to achieve interoperability, what programmability levels will be achieved and security aspects. Indicate if new tools new interfaces, new functionalities will be provided and implemented*

*Describe originality and innovative value of the Proposal and its relation to the status of the art of the research NFV/SDN and 5G.*

## Technical Soundness

***Provide a proposal description in order to evaluate the feasibility of the project***

***Provide evidence of the research and innovation experience of the proposing group****<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.*

***Practical arrangements of the proposal for the implementation and the management of the experiment itself***

## Expected Contribution to the European Ecosystem

***Describe the potential of the proposal to increase Knowledge/Knowhow at the European level and differentiate the proposition***

***Put in evidence the Technological benefits for an European Ecosystem***

***Emphasize possible or expected contributions to standards or open interfaces.***

## Business Impact and considerations

***Describe the possibility to create long term collaborations and mutually beneficial cooperation between actors in the NFV/SDN/5G ecosystem, in particular with SoftFIRE, H2020 projects and the 5g and FIRE communities.***

***Describe the possibility to have a quick deployment and time to market.***

***Describe how the proposal could achieve a long term self-sustainability***

***Indicate whether the proposal can be instrumental to create new activities/startup/business*** ***endeavors***

## Methodology and associated work plan

*Provide a work plan. Provide clear goals and verifiable results, and also a clear timing. Specify the milestones and the final report deliverable.*

*The work plan involves the phases indicated below. Please keep in mind that each experiment lasts maximum three months.*

1. *Design, implementation or consolidation of experiment and/or extension*
2. *Executing the experiment and/or tune-up/improvement of the experiment*
3. *Analysis & feedback*
   * *Analysis of the results of the experiment and/or extension*
4. *Final report, and documentation*

*Final report (M3)*

*Feedback report on the platform (M3)*

*High Resolution Video reporting the key results of the experiment and how SoftFIRE has been used to reach the objective of the experiment (M3)*

## Expected results expressed as Experiment KPIs

*Please, define a proposal of at least 3 (three) KPIs to be measured to evaluate the success of the experiment. If your proposal is accepted by the SoftFIRE consortium, your assigned mentor will consolidate your KPIs with you..*

*KPIs should follow the SMART criteria. This means the measure has a Specific purpose for the proposal/experiment, it is Measurable to really get a value of the KPI, the defined norms have to be Achievable, the improvement of a KPI has to be Relevant to the success of the proposal/experiment, and finally it must be Time phased, which means the value or outcomes are shown for a predefined and relevant period (e.g. at latest at the end of the Wave).*

*The measured KPIs provided by the project will be used by the SoftFIRE consortium to check if the experiment has reached its goals.*

**The results achieved by the <NAME OF THE EXPERIMENT > experimentation will be evaluated by means of a Demo during which the defined set of below KPIs will be evaluated. Demo of the experiment is a requirement.**

# KPI-1

<Note: KPI may coincide with some milestones posed in the experimentation, e.g., planned at Week X>

## Description

Description of the KPI. < Objective: to reach a quantitative target; e.g. measurement of the performance (throughput, latency) >

## Type

KPI could be a precise target or a range or a percentage

## Means of **verification**

This KPI will be verified by <provide a description of how to measure and evaluate the KPI>.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | KPI NAME | KPI Description | KPI Type | Notes |
| KPI NAME | KPI - 1 | <KPI description> | A precise target or a range or a percentage | e.g., The first KPI coincides with the milestone, planned at **Week X**. |
| Means Of Verifications | This KPI will be verified by <description of how it will be evaluated, e.g., objectives or goals [e.g., to reach 99.999% availability]> | | |  |

# KPI-2

<Note: KPI may coincide with some milestones posed in the experimentation, e.g., planned at Week X>

## Description

Description of the KPI. < Objective: to reach a quantitative target; e.g. measurement of the performance (throughput, latency) >

## Type

KPI could be a precise target or a range or a percentage

## Means of **verification**

This KPI will be verified by <provide a description of how to measure and evaluate the KPI> .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | KPI NAME | KPI Description | KPI Type | Notes |
| KPI NAME | KPI - 2 | <KPI description> | A precise target or a range or a percentage | e.g., The first KPI coincides with the milestone, planned at **Week X**. |
| Means Of Verifications | This KPI will be verified by <description of how it will be evaluated, e.g., objectives or goals [e.g., to reach 99.999% availability]> | | |  |

# KPI-3

<Note: KPI may coincide with some milestones posed in the experimentation, e.g., planned at Week X>

## Description

Description of the KPI. < Objective: to reach a quantitative target; e.g. measurement of the performance (throughput, latency) >

## Type

KPI could be a precise target or a range or a percentage

## Means of **verification**

This KPI will be verified by <provide a description of how to measure and evaluate the KPI>.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | KPI NAME | KPI Description | KPI Type | Notes |
| KPI NAME | KPI - 3 | <KPI description> | A precise target or a range or a percentage | e.g., The first KPI coincides with the milestone, planned at **Week X**. |
| Means Of Verifications | This KPI will be verified by <description of how it will be evaluated, e.g., objectives or goals [e.g., to reach 99.999% availability]> | | |  |

# Section C Requested SoftFIRE Resources

*(maximum 1 page)*

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

|  |  |
| --- | --- |
| **Resources** | **Required (Yes/No) Number of Resources requested** |
| Virtual CPUs |  |
| RAM |  |
| Block Storage Volume |  |
| IP Addresses to be used |  |
| EPC slices |  |
| Average and Max Bandwidth |  |
| Needed RAN |  |
| Type of End Points (fixed, wireless, cellular) |  |
| *Specify any other resources requested* |  |
| **Capabilities** | **Specify what is being asked for (write a summary statement or a reference to specific section of present doc)** |
| API OpenBaton |  |
| API SDN |  |
| *Specify any other requirements requested for your experiment* |  |

# Section D Compliance Check

*(maximum 1 page)*

*This section contains the feedback from the SoftFIRE consortium on this Experiment or Extension. Each proposing party must contact the SoftFIRE consortium regarding its submission to identify the feasibility of its solution on the SoftFIRE federated testbed. The proposing party must submit its draft proposal to the SoftFIRE consortium by 20 September 2017 through the submission portal. The feedback of the SoftFIRE consortium on the feasibility has to be copied into this section of the proposal.*

# Section E Background and qualifications

*(maximum 2 pages)*

*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 or Extension.*

# Section F Expected feedback to the SoftFIRE Consortium

*(maximum 1 page)*

*This section contains valuable information for the SoftFIRE consortium and should indicate the expected feedback the SoftFIRE 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 SoftFIRE platform. Note that providing this feedback is one of the key motivations for the existence of the SoftFIRE Open Calls.*

# Section G 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~~.~~*

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

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

|  |  |  |
| --- | --- | --- |
|  | **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 50000 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 visit(s) to SoftFIRE events and workshops (Hackathons and Challenges).*

*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 50 000 €.*

# 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 SOFTFIRE consortium.*

*Proposals are treated in a confidential way, meaning that only successful proposals must be disclosed to the SoftFIRE 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 SOFTFIRE 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 SOFTFIRE 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, D and F will be used within the SOFTFIRE 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 Third 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 SOFTFIRE 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.*

Top of Form

|  |  |
| --- | --- |
| I allow that the material provided in Sections A, C, D and F of this proposal may be accessed by the SoftFIRE consortium, also if the proposal is not selected for funding. In any case, the SoftFIRE consortium will treat all this information confidentially. It will be used within the SoftFIRE 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 Third open call. | Yes |
| Furthermore, I allow that the other parts of this proposal may be accessed by the SoftFIRE consortium, also if the proposal is not selected for funding. In any case, the SoftFIRE 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 |

Bottom of Form

# Section I Involvement in FIRE-projects (incl. SoftFIRE)

In this section, proposers are requested to list their involvement in FIRE-projects, either as full partner or as successful proposer in Open Calls from FIRE-projects. The defined representative of company is responsible to provide the correct information.

Proposals originating from new players in the FIRE community will be positively discriminated and will receive a higher score.

**Please** note that parties having been selected and funded in previous SoftFIRE Open Calls are not eligible to participate again.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Q 1.1 | Have you submitted any proposal to the previous SoftFIRE Open Call(s)? | | Yes | No |
| Q 1.2 | If you answered YES to Q 1.1, please indicate name of the proposal. |  | | |
| Q 2.1 | Have you been previously involved in other FIRE projects? | | Yes | No |
| Q 2.2 | If you answered YES to Q 2.1, please indicate for each project the name of the project and, if possible, the website: |  | | |

*Provide here additional notes about your previous involvements in FIRE projects and community (if needed, 1 page maximum)*