**ANNEX A**

**Proposal Template – Stage 1**

**(version 20 October 2020)**

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| The major objective of this continuous Open Call is to make the Fed4FIRE+ infrastructure directly available for execution of innovative experiments by experimenters from SMEs with a limited amount of effort in preparing the proposals and increasing the quality of the experiments.This Open Call works with a 2-stage proposal submission process:1. Stage 1 (continuous with 2-weekly cut-off dates): the SME experimenter submits a short proposal after consultation with the required testbeds. These proposals are reviewed by external reviewers and a selection of up to 40 proposals (over the whole remaining duration of the Fed4FIRE+ project) is made. The selected experiments receive a budget of max. 12 500 euro (including the support for the Patrons (testbed providers) which can be a maximum of 2 500 euro) to carry out the short (< 3 months) experiment or to prepare for the next stage.
2. Stage 2: proposals selected after Stage 1 are elaborated more in detail together with the testbeds, which will be used in the testbed and are submitted for review. Only proposals selected in Stage 1 are admitted. External reviewers make a selection of max. up to 8 experiments (over the whole remaining duration of the Fed4FIRE+ project) to be funded. Selected experiments receive a budget of max. up to 60 000 euro (including the support for the Patrons (testbed providers) which can be a maximum of 5 000 euro) to execute the experiment.

The experiments submitted in Stage 1 are innovative experiments with a limited time in order to collect information on feasibility, requirements, challenges,.. to prepare for the 2nd stage. The experiments submitted in the 2nd stage are proposals for more extensive innovative experiments which are built upon the proposals and experiments run after selection in the 1st stage. |

1. Proposal Information Page and Summary

Full title of the existing project you wish to join: Fed4FIRE+: Federation for FIRE plus

Grant agreement number of existing project: 732638

Type of instrument: Research and Innovation Action under the European Horizon 2020 Programme

Full title of your project
Acronym of your proposal (optional)

Date of preparation of your proposal: xx/yy/20xx

Version number *(optional):*

Your organisation name: Your organisation name

Your organisation address: Your organisation address

Name of the coordinating person: Name of the coordinating person

Coordinator telephone number: Coordinator telephone number

Coordinator email: Coordinator email

**(this will be the email address to which the Acknowledgement of Receipt will be sent)**

**Proposal Summary (Maximum 200 words)**

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Remark: The information in this section may be used in public documents and reports by the Fed4FIRE+ consortium

1. Description and Expected Results
 (target length 2 pages)

This section describes the details on the planned experiment (what do you hope to obtain, how, why is it relevant, how this prepares to a Stage 2 proposal). This section should also include all information with respect to the State-of-the-Art to show the innovative character of the experiment and the expected business impact. **This description may include the following sections**:

* Concept and objectives: *Describe in detail the objectives of your proposed experiment. These objectives should be those achievable within your proposed action with clear indication which objective is part of Stage 1 and which part is the objective in Stage 2. Preferably, they should be stated in a measurable and verifiable form.*
* Business impact: *Describe how this experiment may impact your business and product development by indicating the way how this experiment fits in your activities. Having close contacts with possible end-users during this experimental phase might be used to illustrate the business impact of your experiment.*
* Description of State-of-the-Art: *Describe in detail how this experiment compares to the State-of-the-Art in the field covered by the experiment. Are there similar experiments, products, services, etc. on the market? Is this experiment incremental to existing work?*
* Methodology and associated work plan: *Provide a very short workplan with emphasis on the work to be carried out in Stage 1. Provide clear goals and verifiable results and also a clear timing.*

1. Requested Fed4FIRE+ tools, testbeds and facilities

Please check the Fed4FIRE+ testbed or multiple testbeds which will be required for your experiment

Please use [www.fedfire.eu](http://www.fedfire.eu) to get details on the specific testbeds or contact@fed4fire.eu.

|  |
| --- |
| Wired networking testbeds |
|  | Virtual Wall (imec) |  |
|  | PlanetLab Europe (UPMC) |  |
|  | PL-LAB (PSNC) |  |
|  | Geant Testbed as a Service (GTS) (Nordunet) |  |
|  |  |  |
| Wireless/5G/IoT testbeds |
|  | w-iLab.t (imec) |  |
|  | Portable wireless testbed (imec) |  |
|  | City of Things Antwerp testbed (imec) |  |
|  | NITOS (UTH) |  |
|  | Netmode (NTUA) |  |
|  | SmartSantander (UC) |  |
|  | FuSeCo (FOKUS) |  |
|  | PerformLTE (UMA) |  |
|  | IRIS (TCD) |  |
|  | LOG-a-TEC (JSI) |  |
|  | R2lab (Inria) |  |
|  | IoTLab (Mandat) |  |
|  |  |  |
| OpenFlow testbeds |
|  | i2CAT OFELIA island |  |
|  | NITOS (UTH) |  |
|  | Virtual Wall (imec) |  |
|  |  |  |
| Cloud computing testbed |
|  | Virtual Wall (including GPUlab) (imec) |  |
|  | Exogeni (UvA) |  |
|  | Grid5000 (Inria) |  |
|  |  |  |
| Other |
|  | Tengu – big data (imec) |  |

Please provide here more information on why specific testbeds will be required for your experiment (max. ½ page)

1. Compliance check (form to be completed by the Patron)

Each proposing party must contact the Fed4FIRE+ consortium regarding its submission to identify a possible Patron. This Patron will in most cases be the Fed4FIRE+ partner responsible for the Testbed the proposing experimenter will use during its experiment. The proposing party must submit its draft proposal to this Patron by the set deadline for the Feasibility Check. The feedback by the Patron is copied into this section of the proposal.

It is advised you get as soon as possible in contact with the Fed4FIRE+ in charge of the testbeds you intend to use and discuss with him/her your proposal.

I, …………………………………………………… (name),

representing …………………………………………………… (Fed4FIRE+ Partner)

hereby confirms to have been informed about the

proposal …………………………………………………… (proposal name)

being prepared by …………………………………………………… (experimenter organisation)

and to be submitted to the Fed4FIRE+ Open call 2.

I, acting as Patron for the above mentioned experiment, hereby confirms that the proposed experiment can be carried out on the testbeds as indicated in Section C of this proposal.

Signature

1. Background and qualifications (target length 1/2 page)

This section describes the proposing SME and includes an overview of the activities, your qualifications, technical expertise and other information to allow the reviewers to judge your ability to carry out the experiment.

1. Requested funding (form to be completed)

This section provides an overview of the budgeted costs and requested funding. A split is made in:

* + personnel costs
	+ other direct costs (travel, consumables,..) and
	+ indirect costs (see section 6).

This section also includes the split between the budget allocated to the experimenter and the budget allocated to the Patron(s), clearly argumenting this split (max. €2 500 in total for the patron(s) in Stage 1).
The budget can be split in a flexible way between the experimenter and the Patron but the split needs to be provided and argumented in the proposal. It is thus possible to have:

* example 1: Experiment budget = 10 000 euro
 Patron budget = 2 500 euro
* example 2: Experiment budget = 11 000 euro
 patron budget = 1 500 euro
* example 3: Experiment budget = 10 500 euro
 Patron 1 budget = 1 500 euro
 Patron 2 budget = 500 euro

For the travel budget, see the needed travels in the call document.

Besides the table below, extra information can be provided to support the requested funding and which may help to judge the cost to the Fed4FIRE+ project.

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

## Budget Experimenter:

|  |  |  |
| --- | --- | --- |
|  | **Total PM** | **Cost** |
| 1. Personnel costs (incl. indirect costs) |  |  |
| 2. Other costs (incl. indirect costs) |  |
| 3. Total costs (Sum of row 1 and 2) |  |

## Budget Patron:

|  |  |  |
| --- | --- | --- |
|  | **Total PM** | **Cost** |
| 1. Personnel costs (incl. 25% indirect costs) |  |  |
| 2. Other costs (incl. 25%. Indirect costs) |  |
| 3. Total costs (Sum of row 1 and 2) |  |

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

In row 2, insert any other costs, for example equipment or travel costs.

For the Experimenter all numbers must include indirect costs, for the Patron, indirect costs follow the H2020 guidelines and are defined as 25%.

1. Participation in previous Open Calls of the Fed4FIRE+ project. (1-2 pages)

Parties who have submitted proposals in the previous Open Calls of the Fed4FIRE+ project are allowed to re-submit.

Information only to be provided if one of the following conditions apply:

* Parties who have submitted proposals in previous calls which were NOT selected for funding should indicate the exact dates and details of the previous submissions.
* Parties who have submitted proposals in previous calls which were selected for funding should indicate the difference between the current proposal and the previously submitted proposal.
* Parties belonging to a legal entity of which other groups have submitted proposals in previous calls also need to indicate the difference between the current proposal and the previously submitted proposals.
1. Open Research Data

Not applicable in Stage 1

1. Use of proposal information

*Proposals are treated in a confidential way, meaning that only successful proposals may be disclosed to the Fed4FIRE+ 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 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 Fed4FIRE+ consortium will treat all information of this proposal confidentially. Three types of information usage are envisaged:*

* *Information which is part of the Sections A, C, D and F will be used within the Fed4FIRE+ project as input for tasks related to architectural 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 Fed4FIRE+ consortium if allowed by the corresponding consortium. Any use of such information will be discussed and agreed upon with the proposers. Proposals have the freedom to select if they wish to support this kind of information usage.*

*The proposers are therefore asked to include the following statements below in their proposal and tick the corresponding boxes.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| I allow that the material provided in Sections A, C, D and F of this proposal may be accessed by the Fed4FIRE+ consortium, also if the proposal is not selected for funding. In any case, the Fed4FIRE+ consortium will treat all this information confidentially. It will be used within the Fed4FIRE+ project as input for tasks related to architectural 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 Fed4FIRE+ consortium, also if the proposal is not selected for funding. In any case, the Fed4FIRE+ 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  |