

OFELIA – Open Call – OFELIA-2011-1

The project “OFELIA - Open Flow in Europe: Linking Infrastructure and Applications” is currently active in the Seventh Framework programme of the European Community. Primary target of the project is to build a pan-European experimental facility based on the OpenFlow technology. Within this Open Call the project solicits proposals to enable advanced use and experimentation by extending the already planned experimental facility.

Proposals should address at least one of the following three areas: (a) extension of the existing experimental facility, (b) measurement and evaluation and (c) functional enhancement of the experimental facility for experiments.

- (a) The first aspect concerns the physical extension of the facility. This includes extensions for geographical reach or functional diversity of capabilities. The geographical reach could be on national as well as regional or local level, and does include federation with other test-beds. Extensions in the area of functional diversity of capabilities could cover aspects like processing capabilities, media laboratories, wireless technologies and others. OFELIA aims at a SFA-based framework for the management of the experimental facility. Here, proposals for extensions of resource description language and tools are welcome.
- (b) The second aspect covers proposals for specific measurements and evaluations on the OFELIA experimental facility that need extensions of the already available infrastructure.
- (c) In the third aspect, functional enhancement of the experimental facility for experiments, manifold extensions related to general functional topics and OpenFlow itself can be developed and tested. The general functional topics could be network applications like DHCP, multicast; novel addressing schemes for Content-centric Networking (CCN) or IPv6; and extensions for support of multi-layer as well as multi-domain. This extends to wireless and sensor network technologies as well.

Regarding OpenFlow, there are two complementary architectural areas: first, new developments for OpenFlow controller distribution and federation of controllers and advancements for robustness in controller architecture; and second, extensions of the OpenFlow interface itself for, e.g., monitoring of OpenFlow networks, by separating the processing and forwarding interface and potential generalisation of network slices (e.g. virtual topologies beyond physical ones).

The proposal should describe planned activities, information on the expertise and background of the researchers involved, and on the proposed budget. Independent experts will evaluate all eligible proposals to identify those whose quality is sufficiently high for possible funding.

The selected proposers will be required to join the project consortium and to accede to the existing Grant Agreement (GA) with the European Commission and the Consortium Agreement (CA) between the partners.

As selected proposers will join the existing OFELIA consortium as partners with equal rights, in principle the duration of their participation is restricted by the duration of the project only, that is, September 2013. Additional limitations may apply due to the restricted budget allocated for the activities of additional partners selected by this Open Call.

The EU has published a [guide for applicants](#). This contains a template for the proposal and general explanations about the proposal generation and evaluation process.

The call will be closed at March 30th 2011, 17:00 Brussels time. Only proposals submitted to opencalls@fp7-ofelia.eu by that time will be considered for the evaluation process.

Additional information can be found at <http://www.fp7-ofelia.eu/open-calls/opencall-faq/>

The available budget for the call is 420K€, the maximum contribution per successful proposal is 200K€. Overall between 2 and 5 new partners are planned to join the consortium.

If there are not enough successful proposals in this call evaluation, the remaining budget will be shifted to the second Open Call, expected to close in March 2012.