

Call title: FP7-2012- "Factories of the Future" – 2012

- Call identifier: FP7-2012-NMP-ICT-FoF
- Date of publication: 20 July 2011
- Deadline: 1 December 2011¹ at 17.00.00 (Brussels local time).
- Indicative budget^{2 3}: EUR 160 million from the 2012 budget of which:
 - EUR 100 million from Theme 4 – Nanosciences, Nanotechnologies, Materials and New Production Technologies
 - EUR 60 million from Theme 3 – Information and Communication Technologies (ICT)
- **Topics called:**

Activity/ Area	Topics called	Funding Schemes	Budget (Million EUR)
NMP – Nanosciences, nanotechnologies, Materials and new Production			
FoF.NMP.2012-1	Adaptive production systems and measurement and control equipment for optimal energy consumption and near-to-zero emissions in manufacturing processes	Collaborative Projects (Large-scale projects)	100
FoF.NMP.2012-2	Methodologies and tools for the sustainable, predictive maintenance of production equipment	SME-targeted collaborative projects.	
FoF.NMP.2012-3	Intelligent production machines and 'plug-and-produce' devices for the adaptive system integration of automation equipment, robots and other intelligent machines, peripheral devices, smart sensors and industrial IT systems	SME-targeted collaborative projects.	

¹ The Director-General responsible may delay this deadline by up to two months

² The budget for this call is indicative. The final budget awarded to actions implemented through calls for proposals may vary:

- the final budget of the call may vary by up to 10% of the total value of the indicated budget for the call; and
- any repartition of the call budget may also vary by up to 10% of the total value of the indicated budget for the call

³ Under the condition that the draft budget for 2012 is adopted without modification by the budgetary authority

FoF.NMP.2012-4	High -performance manufacturing technologies in terms of efficiency (volumes, speed, process capability etc), robustness and accuracy	Collaborative Projects (DEMO-targeted project)	
FoF.NMP.2012-5	High precision production technologies for high quality 3D micro-parts	Collaborative Projects (Small or medium-scale focused research project)	
FoF.NMP.2012-6	Knowledge-based tools and approaches for process planning and integrated process simulation at factory level	Collaborative Projects (Small or medium-scale focused research project)	
FoF.NMP.2012-7	Innovative technologies for casting, material removing and forming processes	Collaborative Projects (DEMO-targeted project)	
ICT – Information and Communication Technologies			
FoF-ICT-2011.7.1	Smart Factories: Energy-aware, agile manufacturing and customisation	Collaborative Projects (IP and STREP)	40
FoF-ICT-2011.7.2	Manufacturing solutions for new ICT products	Collaborative projects (IP)	20

- **Eligibility conditions:**

The general eligibility criteria are set out in Annex 2 to this work programme, and in the guide for applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.

Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

The minimum number of participating entities required, for all funding schemes, is set out in the Rules for Participation: For Collaborative projects, the minimum condition shall be the participation of 3 independent legal entities, each of which is established in a Member State or Associated Country and no two of which are established in the same Member State or Associated Country.

- **Additional eligibility criteria**

In addition to the general eligibility criteria, which are given in Annex 2 of the work programme, for Large scale integrating projects in topic FoF.NMP.2012-1, the minimum EU funding requested must be greater than EUR 4 million and for small or medium-scale focused research projects in topics FoF.NMP.2012-5 and FoF.NMP.2012-6, the maximum EC funding requested must not exceed EUR 4 million.

For topics FoF.NMP.2012-4 and FoF.NMP.2012-7, DEMO-targeted project collaborative projects will only be selected for funding on the condition that at least 50% of the total eligible costs (excluding management costs) to the project is allocated to demonstration activities. This will be assessed during the evaluation and at the end of the negotiation, before signature of the Grant Agreement. Proposals not fulfilling this criterion will not be funded.

For the ICT topics, each proposal must indicate the type of funding scheme used (IP or STREP for Collaborative Projects where applicable; See Appendix 2 to the ICT chapter of the Cooperation work programme for further details.

Please note that the financial resources mobilised within a project will be assessed during the evaluation against the real work to be carried out in the project.

- **Evaluation procedure:**

A one-stage submission procedure will be followed.

Proposals will be evaluated in a single-step procedure. Proposals could be evaluated remotely with the consensus sessions being held in Brussels.

Each Theme will remain responsible for its own budget and for the implementation of the respective call topics. This includes drawing up ranking lists per Theme and subsequent negotiation and follow-up of the grant agreements resulting from proposals selected under the respective call topics.

For this call the following criteria and thresholds are applied: **1. S/T quality; 2. Implementation; 3. Impact.** For each criterion marks from 0 to 5 will be given, with the possibility of half-point scores. Successful proposals must pass the minimum thresholds as follows:

	Minimum threshold
S/T quality	3/5
Implementation	3/5
Impact	3/5
Overall threshold required	10/15

Further information on elements to be taken into account in the evaluation is given under the respective topic descriptions.

See also Annex 2: Eligibility, Evaluation criteria for proposals and priority order for proposals with the same score⁴.

Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS.

⁴ For the NMP Programme, and in contrast with Annex 2, at Panel stage, the priority order of the proposals with equal overall scores will be established in accordance with their scores for the S/T Quality criterion. If they are still tied, they will be prioritised according to their scores for the Impact criterion. If proposals are still tied, they will be prioritised on the basis of the work programme coverage.

- **Indicative evaluation and contractual timetable:**

Evaluation of proposals: January 2012. It is expected that the grant agreement negotiations for the shortlisted proposals will start as of March 2012.

- **Consortium agreements**

Participants are required to conclude a consortium agreement.

- **Particular requirements for participation, evaluation and implementation:**

As a result of the evaluation, a ranked list of proposals retained for funding will be drawn up by each Theme as well as a reserve list of proposals that may be funded in case budget becomes available during negotiations.

- **The forms of grant and maximum reimbursement rates** which will be offered are specified in Annex 3 to the Cooperation work programme.

- **Use of flat rates for subsistence costs**

For topics FoF.NMP.2012-1 to 7, and in accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: http://cordis.europa.eu/fp7/find-doc_en.html under 'Guidance documents/Flat rates for daily allowances'.