

Call title: "Factories of the Future" - 2011

- Call identifier: FP7-2011-NMP-ICT-FoF
- Date of publication: 20 July 2010
- Deadline: 2 December 2010¹ at 17.00.00 (Brussels local time).
- Indicative budget^{2 3}: EUR 160 million from the 2011 budget of which:
 - EUR 80 million from Theme 4 – Nanosciences, Nanotechnologies, Materials & New Production Technologies
 - EUR 80 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.2011-1	The eco-factory: cleaner and more resource-efficient production in manufacturing	<i>Collaborative Projects (Large-scale projects)</i>	80
FoF.NMP.2011-2	Cooperative machines and open architecture control system	<i>Collaborative Projects (small or medium-scale focused research project)</i>	
FoF.NMP.2011-3	Robots for automation of post-production and other auxiliary processes	<i>Collaborative Projects (small or medium-scale focused research project)</i>	
FoF.NMP.2011-4	High-tech solutions in the production processes for customised healthy, green and safe consumer products	<i>SMEs targeted collaborative projects</i>	
FoF.NMP.2011-5	Towards zero-defect manufacturing	<i>Collaborative Projects (Large-scale projects)</i>	

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 2011 is adopted without modification by the budgetary authority

FoF.NMP.2011-6	Manufacturing chains for nano-phased component and coatings	<i>Collaborative Projects (Large-scale projects)</i>	
ICT – Information and Communication Technologies			
FoF-ICT-2011.7.3	Virtual Factories and enterprises	<i>Collaborative Projects (IP and STREP)</i>	80
FoF-ICT-2011.7.4	Digital factories: Manufacturing design and product lifecycle management a) and b) targeted outcomes	<i>Collaborative Projects (IP and STREP)</i>	
FoF-ICT-2011.7.4	Digital factories: Manufacturing design and product lifecycle management c) targeted outcome	<i>Collaborative Projects (IP and STREP) & Coordination and Support Actions (CSA)</i>	

- **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.

For Coordination and Support Actions, the minimum conditions shall be:

- Coordination and Support Actions – **coordinating actions:** at least 3 independent legal entities, each of which is established in a Member State or Associated Country, and no 2 of which are established in the same Member State or Associated Country.
- Coordination and Support Actions – **supporting actions:** at least 1 independent legal entity.

- **Additional eligibility criteria**

For the following topics, implemented via large scale projects: the **EU funding requested must be greater than EUR 4 million:**

- **FoF.NMP.2011-1** The eco-factory: cleaner and more resource-efficient production in manufacturing;
- **FoF.NMP.2011-5** Towards zero-defect manufacturing;
- **FoF.NMP.2011-6** Manufacturing chains for nano-phased.

For the topics: **FoF.NMP.2011-2** Cooperative machines and open-architecture control systems and **FoF.NMP.2011-3** Robots for automation of post-production and other auxiliary processes, implemented via small and medium scale focused research projects have specific eligibility criteria: the **EU funding requested must not exceed EUR 4 million**.

For the topic: **FoF.NMP.2011-4** High-tech solutions in the production processes for customised , green, safe and healthy consumer products, implemented via SME targeted collaborative projects: SME-targeted Collaborative Projects will only be selected for funding on the condition that the estimated EU contribution going to SME(s) is 35% or more of the total estimated EU contribution. *This will be assessed 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; CA or SA for Coordination and Support Actions). See Appendix 2 to the ICT chapter of the Cooperation work programme for further details.

- **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.

⁴For 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

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.

- **Indicative evaluation and contractual timetable:**

Evaluation of proposals: January 2011. It is expected that the grant agreement negotiations for the shortlisted proposals will start as of March 2011.

- **Consortia agreements**

Consortia agreements are required for *all* actions.

- **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 grants 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.2011-1, FoF.NMP.2011-2, FoF.NMP.2011-3, FoF.NMP.2011-4, FoF.NMP.2011-5, FoF.NMP.2011-6 and in accordance with Annex 3 to 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'.

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.