

# Process on a Chip FULL PROPOSALS EXPLANATORY NOTES

## General

- Your full proposal should be written in English.
- A minimum of 10 pts font and a standard line spacing is required.
- The maximum length of the full proposal is 8 pages A4.
- Please fill in all requested information.
- You are kindly asked not to change the lay-out of the application form.
- Submit the application to NWO-ACTS in electronic form (pdf format is required!) using the IRIS system (<https://www.iris.nwo.nl>).
- The 'Regeling Subsidieverlening ACTS' is applicable for grants in the PoaC-programme

## Sections 1–8

### 1. Title of research proposal

### 2. Details of principal investigator/ co-applicant(s)

Give personal details of all applicants as requested on the proposal application form. The principal investigator is the contact person for correspondence.

### 3. PoaC Theme

Give the theme(s) of the PoaC program in which the proposed research fits. Choose one or more of the options below and explain your choice.

#### A. Basic Expertise

The goal of this cluster is the development of fundamental and generic concepts for processes on a chip.

#### B. Analysis on a Chip

It is the aim of this cluster to develop methods for on-line monitoring of (syntheses) processes on a chip.

#### C. Synthesis on a Chip

This cluster intends to stimulate the development of reactions on chips.

Please check the call for proposals for a more detailed description of the three research themes.

### 4. Summary

Give a maximum of five keywords and a brief summary (max. 300 words) of the proposed research.

### 5. Requested support

Specify and justify requested funding in detail. Include personnel costs, consumables, and equipment only.

- **Personnel.** The proposal may contain a budget request for two kinds of personnel: PhD students ("promovendi") and postdocs. Next to the number of requested personnel, indicate the *total* costs in k€ for each category of requested personnel. The tariffs for the personnel costs are mentioned in the call for pre-proposals.

Part of the assessment of your full proposal is an evaluation of the requested personnel.

Personnel of large technological institutes (ECN, TNO, A&F) may be included according to the agreement of the Executive Board of ACTS for participation of large technological institutes in ACTS programmes. Justify in detail why expertise of this type of personnel is necessary.

- **Consumables.** Expenses for consumables can be budgeted to a maximum of 12 k€ (including VAT ("BTW")) per year per researcher. Include and justify clean room costs under this heading.
- **Equipment.** The budget for equipment, needed for carrying out the proposed research, has no formal limit. The requested equipment should be essential for and dedicated to the proposed research. The assessment of the full proposal will also consist of a thorough evaluation of this need, in connection to an efficiency evaluation of the utilisation of the available equipment.
- **Other project expenses.** As in the standard NWO funding rules, costs of supervision, housing, depreciation of existing equipment, etc., are considered the financial contribution of the university or institute to the research project. These costs will not be remunerated.

## **6. Research proposal**

Describe the research proposal in detail. Please include at least the following topics:

- Aim and objectives
- justification: innovative elements, expected impact, potential for future use: industrial and socio-economic relevance
- state of the art is scientific literature and (possibly) patents
- approach, expected results, deliverables
- design and methodology, experimental techniques
- work plan and timetable for each of the requested personnel
- staff, materials and infrastructure present in the university/institute(s)
- scientific embedding of the proposed research: background, ongoing research related to this proposal, (inter)national position, collaborations.

## **7. Possible scientific collaborations**

Indicate how the proposed research may fit in the PoaC portfolio and which national collaborations with other research groups (university / knowledge institute) you have sought / plan to seek. Please specify briefly the status of the collaborations (planned, initiated, collaborations in other programs or projects, etc.).

## **8. Possible industrial collaborations**

Describe which (Dutch) industrial partners may be interested in the proposed research and whether they have been contacted previous to submission of this pre-proposal.

## **9. Abstract for laymen**

For future use for the general public (max. 300 words).