

# RD51 Common Projects

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For RD51 MB

## RD51 Common Projects

- 1) Thin and high-pitch laser-etched mesh manufacturing and bulking (Saclay / CERN / Bari)  
Contact: [vincenzo.berardi@ba.infn.it](mailto:vincenzo.berardi@ba.infn.it); [paul.colas@cea.fr](mailto:paul.colas@cea.fr)
- 2) Development of innovative resistive GEM alpha detectors for earthquakes prediction and homeland security (INFN Bari / UNAM, Mexico / INFN Padova / INFN Frascati)  
Contact: [vladimir.peskov@cern.ch](mailto:vladimir.peskov@cern.ch)
- 3) MPGDs technology laboratory for training, development, fabrication, applications and innovation (Universidad Antonio Nariño, Columbia / Brookhaven National Laboratory/ Helsinki Institute of Physics / HEPTech / GSI Helmholtzzentrum) Contact: [director.sistemas.complejos@uan.edu.co](mailto:director.sistemas.complejos@uan.edu.co)
- 4) A low mass microbulk with real XY strips structure (NCSR Demokritos / Saclay/ Laboratorio de Física Nuclear y Astropartículas, Universidad de Zaragoza / CERN )  
Contact: [geral@inp.demokritos.gr](mailto:geral@inp.demokritos.gr)

### 2012 Common Projects:

- 1) High resolution UV scanner for MPGD applications” (Wigner FCP/INFN Trieste/ INFN Bari )  
Contact: [Dezso.Varga@cern.ch](mailto:Dezso.Varga@cern.ch)
- 2) Large-area THGEM detector evaluation with SRS electronics (Weizmann/Coimbra/Aveiro) Contact: [amos.breskin@weizmann.ac.il](mailto:amos.breskin@weizmann.ac.il)
- 3) R&D on large area GEMs for the ALICE TPC upgrade (GSI/ Tokyo / UNAM)  
Contact: [chilo.garabatos.cuadrado@cern.ch](mailto:chilo.garabatos.cuadrado@cern.ch)

# RD51 Support of Common Projects

This RD51 funding is intended to support part of the project cost in the areas of common interest to the community described in the RD51 proposal:

- Generic R&D projects towards developments of novel techniques, improvements of existing structures, characterization methods and dedicated tools;
- Developments and optimization of MPGDs for applications outside HEP with a possibility of technology transfer to industry.

# RD51 Support of Common Projects

- The minimum number of participating institutes in the common project is 3;
  - The maximum contribution from the RD51 common fund per each institute is 5000 CHF;
  - The maximum contribution from the RD51 common fund per project is 30000 CHF per calendar year. This implies that a minimum number of 6 institutes is required to reach the maximum allowed contribution of 30000 CHF.
  - At least, 50% of the total cost for the RD51 common project must be provided by the participating institutes. Each participating institute should provide list of internal financial resources (grants, institute financing, ... etc. ) to complement RD51 Common fund contribution. The internal financial resources will stay within the participating institutes.
  - Financial contribution from the RD51 common fund can be used to purchase materials and consumables (ordered via CERN). Manpower cost could not be supported under this call.
- The MB will select new proposals
  - Institutes can participate in a new project only if they finished already approved projects + note submitted
  - Continued funding of a project will be reviewed and decided on a case by case basis.
  - RD51 Common Fund could not be used for orders of existing MPPGD detectors (e.g. standard GEM, MM, THGEM) and electronics (e.g. SRS, ASICs)

# Proposed evaluation procedure for RD51 Common Projects

- Each Common Project (CP) should be evaluated annually
- The first review should occur 12 months after the award approval notice
- The primary goals of the review would be:
  - 1) Evaluation of status of the CP with respect to the originally approved project description
  - 2) Adherence to the rules for RD51 CP's
  - 3) Status of the use of the approved RD51 funds
  - 4) Prospects for completion of the CP and expected time of completion
  - 5) Evaluation of potential benefit(s) to RD51 and HEP community
  - 6) Opportunity for guidance from the reviewers towards successful completion of the CP
- Two reviewers with requisite expertise will be drawn from the HEP community:
  - Reviewers to be nominated by the Chair and Deputy Chair of the CB.
  - Approval of reviewers by the RD51 MB.
  - A reviewer should not currently be receiving support for a RD51 CP.
- Each CP to be reviewed will submit a report to the Deputy Chair of the CB at least one month ahead of the start of the review.

# Proposed evaluation procedure for RD51 Common Projects

- The reports should be limited to a maximum of five pages, although a separate bibliography may be attached for relevant publications (from the CP work and in support of the review)
  
- The report should contain:
  - 1) A summary of the originally proposed work and CP personnel.
  - 2) A description of any significant evolution of the CP away from the original proposal, including a statement of justification
  - 3) A description of results obtained to date and further expected results.
  - 4) A statement of the use of the RD51 funds to date and expected use of the remaining funds (if any).
  - 5) A statement of the foreseen timeline towards CP completion.
  
- The reviewers will deliver an evaluation report to the CB Deputy Chair with one month of the review. The report will be shared with and discussed in the RD51 MB before it is communicated back to the CP members.
  - 6) A statement as to the significance of obtained and likely future results.

# Reviewers

- A list of potential reviewers has been made
- Potential reviewers will be contacted
- If reviewers agree, they will be assigned in pairs to review one Common Project/year