

## Researcher Excellence Grant (REG)

### APPLICATIONS ARE INVITED – Research in spectral solar radiation

- RESEARCH:** The aim of this REG is to determine the key parameters required to operate a robust and simple array spectroradiometer-based system in replacement of commonly used broadband filter sensors in the field of solar radiation monitoring. The REG should experimentally determine the most important design features which are necessary to reliably operate an array spectroradiometer in an unattended outdoor environment.
- EXPERIENCE REQUIREMENTS:** the JRP is searching for scientists operating array spectroradiometers for measuring solar radiation (Solar UV monitoring within regional or national networks; for health applications; exposure measurements; environmental ecosystems). *The REG Researcher should have at least 3 years of relevant experience in the field of solar radiation measurements. Knowledge on operating array spectroradiometers is required.*
- PROJECT LOCATION(S):** The REG-Researcher must be based at a Home Organisation located in a Member State or country associated to the Seventh Framework Programme. Up to 30 % of the total REG duration may be spent at a Guestworking Organisation (an NMI or DI participating in the JRP, and located transnationally to the Home Organisation)
- DURATION:** Fixed fulltime duration of 12 Months. Effective duration can vary depending on Full Time equivalent employment. Latest end date is 31 July 2014.
- ALLOWANCES:** The exact allowances can be found by using the “EMRP Researcher Grant Calculator” spreadsheet available at <http://www.emrponline.eu/downloads.html> Typically a monthly salary allowance for an Individual REG will be 4525 € or 6783 € (dependent on experience), plus contributions to training, travel, consumables, and the Home Organisation’s overheads. For an Organisation REG the rate is 6,025 € per researcher month effort (Note that some allowances have a country correction coefficient applied).
- CONTACT:** *Dr. Julian Gröbner, Coordinator ENV03, Julian.groebner@pmodwrc.ch, +41 81 417 5157*

### RELATED JRP (each REG is linked to a Joint Research Project of the EMRP)

- PROJECT TITLE:** ENV03 - Traceability for surface spectral solar ultraviolet radiation
- PROJECT DESCRIPTION:** *The Joint Research Project "Traceability for surface spectral solar ultraviolet radiation" will significantly enhance the reliability of spectral solar UV radiation measured at the Earth surface by developing new methods of observation (techniques and instruments) to provide traceable solar UV irradiance measurements with an uncertainty of less than 2%. New characterisation techniques and post-correction methods will be developed to determine and correct the stray light, linearity, and wavelength scale of array spectroradiometers. These activities will be supported by designing and constructing novel array spectroradiometers with improved stray light characteristics. Access to NMI Facilities will be provided on a case-by-case basis to the stake-holder community.*
- <http://projects.pmodwrc.ch/env03/>

### APPLICATION

- ADVERT REFERENCE:** ENV03-REG4
- CLOSING DATE:** The closing date is 23:59 CET on Thursday 3 May 2012
- INTERVIEW DATES:** If interviews are required they will take place between 25 May and 15 June 2012
- APPLICATION:** All applications must be submitted via [www.emrponline.eu/apply.html](http://www.emrponline.eu/apply.html)  
An application consists of a Research Schedule (a description of the work to be undertaken), CV, covering letter, and excel datasheet.
- ELIGIBILITY:** Full eligibility criteria are given here: [www.emrponline.eu/downloads.html](http://www.emrponline.eu/downloads.html)

### THE AIM OF EMRP RESEARCHER EXCELLENCE GRANTS

“To enlarge the number of organisations with capacities closely relating to metrology” within the EU Member States and FP7 associated countries.

The EMRP provides REG-Researcher Excellence Grants (REGs) to support the involvement of high quality REG-Applicants and to open the JRPs to the best science.

\* From: *Decision No 912/2009/EC*, Official Journal of the European Union, 30 September 2009, L257, p12 available from: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:257:0012:0025:EN:PDF>

\*\* **If a Home Organisation is defined at this stage then automatically the Organisation REG is excluded (as it encourages individual researchers to compete against each other and not organisations)**