



### General information

The Researcher Mobility Grant (RMG) is a capacity building instrument which enables researchers from a EURAMET member or associate to join internal partners (NMIs or DIs only) in a running EMPIR project. The RMG researcher stays at the hosting institution for several months (1-18), performing research closely related to the EMPIR project (additional to the project objectives).

The RMG researchers might not always have the experience or knowledge of the EMPIR project they are applying to. However, this grant provides the platform for them to learn and develop as scientists, for their employing institutions to further their capacity in metrology and for the EMPIR project to enhance its research objectives.

RMG researchers will have the opportunity to build links with key metrology organisations, work with world leading scientists, produce joint papers and develop their own research skills. RMG researchers will receive several allowances (living allowance, travel allowance etc.) during their stay at the host institution.

### 2018 Call for Researcher Mobility Grants

This summer (**from 2 July to 3 September 2018**) the call for Researcher Mobility Grants will be launched for grants attached to running projects of EMPIR calls 2015, 2016 and 2017.

Starting in February 2018 the EURAMET CBO will liaise with representatives of guestworking institutions, employing institutions (willing to send a researcher) and the actual researchers to discuss potential research topics for the advert.

The total financial volume foreseen for the 2018 RMG call is 250.000 EUR, which enables ca. 100 man-months for researchers' stay at guestworking institutions (e.g. 20 researchers receiving 5 months of mobility grant on average each).

#### Timetable:

- 30 April: interested researchers and guestworking institutions should send information to the EURAMET CBO;
- 30 May: research topics and timelines defined (for the adverts);
- 2 Jul to 3 Sep: the call is open (researchers have to apply);
- Oct to Dec 2018:
  - eligibility check of the proposals by MSU,
  - evaluation of the proposals by the referees,
  - evaluation of the proposals by the EMPIR projects consortia,
  - outcome of evaluations and results announced,
  - negotiation of the contracts (with the employers, the guestworking institutions and the researchers),
  - drafting the RMG contracts,
  - signature of the contracts.
- Beginning of 2019: earliest start of the RMGs.

## Facilitator's role

The EURAMET Capacity Building Officer (CBO) is the facilitator of the call. The facilitator identifies EMPIR projects willing to host a researcher, identifies employing organisations willing to provide a researcher and negotiates a set of adverts that the MSU can use to launch the RMG Call. Applicants for an RMG must also confirm that their employer has agreed to support the application.

If your NMI/DI would like to send a researcher on a RMG, please send the CBO:

- name of the researcher,
- researcher's contact data (e-mail, phone contact),
- researcher's field of metrological specialisation,
- researcher's CV,
- your idea about research to be performed during the RMG stay,
- your idea about the duration of the stay in hosting institution,
- desired hosting project (at least your first impression, considering the list of active projects).

If your NMIs/DI (internal partners in a running EMPIR project) is wishing to host a researcher, Please inform the CBO.

All information should be collected by end of April 2018 as per the timetable above.

## Eligibility for participation in RMGs

The summary of eligibility criteria is given in the following table. For more details, please see the section "Call related documents" below.

<b>Researcher</b>	<ol style="list-style-type: none"> <li>1. Holding the nationality of; A member state of the European Union; or Any other country, if the researcher can establish the right to work in the country of the guestworking organisation for the lifetime of the grant</li> <li>2. Fluency in English is required (knowledge of the language of the guestworking organisation is an advantage)</li> <li>3. Employed by their current "employing organisation" for the grant's duration</li> </ol>
<b>Proposed research</b>	<ol style="list-style-type: none"> <li>1. Proposed work must be relevant to the associated JRP's objectives and must be additional to the JRP project</li> <li>2. Proposed duration: 1-18 months (typically 6 months); and must end before, or at the same time as, the associated JRP</li> <li>3. Proposed work must be undertaken entirely at the guestworking organisation(s)</li> </ol>
<b>Employing Organisation</b>	NMI or a DI from an EU Member State and countries associated to Horizon 2020 (see list Ib)
<b>Guestworking Organisation(s)</b>	<ol style="list-style-type: none"> <li>1. Internal funded partners (NMIs or DIs) participating in the JRP</li> <li>2. Located in a different country to the current Employing Organisation</li> </ol>

## Possible RMG hosting projects in the 2018 RMG Call

EMPIR call 2015		EMPIR call 2016		EMPIR call 2017	
HLT	SIB	ENG	ENV	IND	FUN
MetVBadBugs	FreeFORM	MetroHyVe	MercOx	MIMAS	BeCOMe
ReMIND	InK2	PV-Enerate	Black Carbon	SmartCom	MetroMMC
EARS II	OC18	HyMet	MetEOC-3	LaVA	USOQS
NeuroMet	QuADC	MyRailS	Preparedness	EMPRESS 2	SEQUOIA
PerfusImaging	OFTEN	Biomethane	MetNO2	MicroProbes	PhotOQuant
MRTDosimetry	NanoMag	ADVENT	SIRS	FutureGrid II	SIQUEST
AntiMicroResist	FuturePhotometry	MultiFlowMet II	IMPRESS 2	DynPT	CC4C
MetMRgRT	e-SI-Amp	MICEV	AEROMET	AdvanCT	TOPS
MetrAMMI	3DNano	LNG III	MetroDECOM II	MetAMCII	UnipHied
	MetroBeta		MetroRADON	LiBforSecUse	ParaWave
<b>RPT</b>		<b>NRM</b>		Hi-TRACE	
UNAC-LOW	<b>NRM</b>	GRACE	<b>RPT</b>	Met4FoF	<b>NRM</b>
RFMicrowave	Sulf-Norm	SURFACE	ChemMet-Cap	Metrowamet	TrafoLoss
HUMEA	UHV	RTNORM	ALCOREF	WRITE	MeterEMI
TracePQM	Hydrogen	MagNaStand	inTENSE		EUCoM
	ROCOF	Ion gauge		<b>RPT</b>	nPSize
		EMIRIM		DOSEtrace	EMUE
		Vector SAR		RhoLiq	
		BRDF		DIG-AC	
				VersICaL	

More information about these projects is available at:

EMPIR 2015 call: <https://www.euramet.org/research-innovation/research-empir/empir-calls-and-projects/empir-call-2015-health-si-broader-scope-normative-research-potential/>

EMPIR 2016 call: <https://www.euramet.org/research-innovation/research-empir/empir-calls-and-projects/empir-call-2016/>

EMPIR 2017 call: Project summaries will be published at: <https://www.euramet.org/research-innovation/research-empir/empir-calls-and-projects>

List of 2017 projects is available in Annex I to this document.

## Call related documents

Call related documents are available on the EURAMET MSU web <http://msu.euramet.org/downloads/>

- **Guide 9:** [Applying for a Researcher Mobility Grant](#)
- **Template 9a:** [RMG Administrative data](#)
- **Template 9b:** [RMG Research Schedule](#)
- **Form 9a:** [RMG Evaluation](#)
- **Form 9b:** [RMG Grant Calculator](#)

## Contact

If you have any questions, please do not hesitate to contact the facilitator:

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**Annex I: List of running EMPIR projects of 2017 call expected to start in 2018**

17FUN01	BeCOMe	Light-matter interplay for optical metrology beyond the classical spatial resolution limits
17FUN02	MetroMMC	Measurement of fundamental nuclear decay data using metallic magnetic calorimeters
17FUN03	USOQS	Ultra-stable optical oscillators from quantum coherent and entangled systems
17FUN04	SEQUOIA	Single-electron quantum optics for quantum-enhanced measurements
17FUN05	PhotOQuant	Photonic and Optomechanical Sensors for Nanoscaled and Quantum Thermometry
17FUN06	SIQUST	Single-photon sources as new quantum standards
17FUN07	CC4C	Coulomb Crystals for Clocks
17FUN08	TOPS	Metrology for topological spin structures
17FUN09	UnipHied	Realisation of a Unified pH Scale
17FUN10	ParaWave	Josephson travelling wave parametric amplifier and its application for metrology
17IND01	MIMAS	Procedures allowing medical implant manufacturers to demonstrate compliance with MRI safety regulations
17IND02	SmartCom	Communication and validation of smart data in IoT-networks
17IND03	LaVA	Large Volume Metrology Applications
17IND04	EMPRESS 2	Enhancing process efficiency through improved temperature measurement 2
17IND05	MicroProbes	Multifunctional ultrafast microprobes for on-the-machine measurements
17IND06	FutureGrid II	Metrology for the next-generation digital substation instrumentation
17IND07	DynPT	Development of measurement and calibration techniques for dynamic pressures and temperatures
17IND08	AdvanCT	Advanced Computed Tomography for dimensional and surface measurements in industry
17IND09	MetAMCII	Metrology for Airborne Molecular Contaminants II
17IND10	LiBforSecUse	Quality assessment of electric vehicle Li-ion batteries for second use applications
17IND11	Hi-TRACE	Industrial process optimisation through improved metrology of thermophysical properties
17IND12	Met4FoF	Metrology for the Factory of the Future
17IND13	Metrowamet	Metrology for real-world domestic water metering
17IND14	WRITE	Precision Time for Industry
17NRM01	TrafoLoss	Loss Measurements on Power Transformers and Reactors
17NRM02	MeterEMI	Electromagnetic Interference on Static Electricity Meters
17NRM03	EUCoM	Standards for the evaluation of the uncertainty of coordinate Measurements in industry
17NRM04	nPSize	Improved traceability chain of nanoparticle size measurements
17NRM05	EMUE	Advancing measurement uncertainty - comprehensive examples for key international standards
17RPT01	DOSEtrace	Research capabilities for radiation protection dosimeters
17RPT02	RhoLiq	Establishing traceability for liquid density measurements
17RPT03	DIG-AC	A digital traceability chain for ac voltage and current
17RPT04	VersICaL	Versatile electrical impedance calibration laboratory based on digital impedance bridges