

## Information on 2021 Call for Researcher Mobility Grants

EURAMET Capacity Building Officer (CBO)  
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### 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 (NMI or DI 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. Allowances will be administered by the researcher's employing organisation.

### 2021 Call for Researcher Mobility Grants

This summer (**from 6 July to 7 September 2021**) the call for Researcher Mobility Grants will be launched for grants attached to running projects of EMPIR calls 2018, 2019 and 2020.

Starting in February 2021 the EURAMET Capacity Building Officer (CBO) will liaise with representatives of guestworking institutions, employing institutions (willing to send a researcher) and the actual researcher to discuss potential research topics for the advert.

The total financial volume foreseen for the 2021 RMG call is 250 000 EUR, which enables about 100 people-months for researchers' stay at guestworking institutions (e.g. 20 researchers receiving 5 months of mobility grant on average each).

#### Timetable:

- 20 May: interested researchers and guestworking institutions should send information to the EURAMET CBO;
- 15 June: research topics and timelines defined (for the adverts);
- 6 July to 7 September 2021: the call is open (researchers have to apply);
- Oct to Dec 2021:
  - 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 2022: 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 NMI / DI (internal partners in a running EMPIR project) is wishing to host a researcher, please inform the CBO.

All information should be collected by 20 May 2021 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 2021 RMG Call

EMPIR call 2018		EMPIR call 2019		EMPIR call 2020	
HLT	SIB	ENG	ENV	FUN	IND
METVES II	GeoMetre	Metro-PV	traceRadon	TSCAC	MetroCycleEU
AeroTox	Real-K	FutureEnergy	RemoteALPHA	POLight	DynaMITE
SEPTIMET	<i>BxDiff</i>	MEFHYSTO	Infra-AUV	COMET	FutureCom
UHDpulse	QuantumPascal	MetroHyVe 2	MAPP	PrimA-LTD	ATMOC
QUIERO	ROCIT	NanoWires	STELLAR	SEQUME	QADeT
RaChy	TiFOON	HEFMAG	MetClimVOC	MEMQuD	PROMETH2O
MedalCare	GIQS	Met4Wind	Met4ClimOS	SuperQuant	TracOptic
MEDDII	ComTraForce	WindEFCY	AEROMET II	NEXTLASERS	MetExSPM
Neuromet2	TEMMT	BIOFMET	MetroPEMS		PowerElec
CardioMet	<i>chipS-CALe</i>			<b>IRM</b>	Decarb
		<b>NRM</b>	<b>RPT</b>	MetTLM	MetHyInfra
<b>RPT</b>	<b>NRM</b>	MRgRT-DOS	QuantumPower	FMET	Elena
ProbeTrace	EDC-WFD	RevStdLED	RealMass	DC grids	SAFEST
adOSSIG	PRISM-eBT	SI-Hg		MetrIAQ	
MetForTC	INCIPIT	ISO-G-SCoPe		iMET-MRI	
	Heroes	IT4PQ		SAPHTIES	
	SupraEMI	MeTISQ			
	NEWGASMET	HV-com <sup>2</sup>			
	NanoXSpot				

More information about these projects is available at:

EMPIR 2018 call: <https://www.euramet.org/research-innovation/research-empir/empir-calls-and-projects/call-2018-health-si-broader-scope-normative-research-potential-support-for-networks-support-for-impact/>

EMPIR 2019 call: <https://www.euramet.org/research-innovation/research-empir/empir-calls-and-projects/call-2019-energy-environment-normative-research-potential-support-for-networks-support/>.

EMPIR 2020 call: More details will be available at the page: <https://www.euramet.org/research-innovation/research-empir/empir-calls-and-projects/>

## 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 EMPIR projects of 2020 call expected to start in 2021

20FUN01	TSCAC	Two-species composite atomic clocks
20FUN02	POLight	Pushing boundaries of nano-dimensional metrology by light
20FUN03	COMET	Two dimensional lattices of covalent- and metal-organic frameworks for the Quantum Hall resistance standard
20FUN04	PrimA-LTD	Towards new primary activity standardisation methods based on low-temperature detectors
20FUN05	SEQUME	Single- and entangled photon sources for quantum metrology
20FUN06	MEMQuD	Memristive devices as quantum standard for nanometrology
20FUN07	SuperQuant	Microwave metrology for superconducting quantum circuits
20FUN08	NEXTLASERS	Next generation ultrastable lasers: reducing thermal noise limit and overcoming technical limitations with new materials and technologies
20IND01	MetroCycleEU	Metrology for the recycling of Technology Critical Elements to support Europe's circular economy agenda
20IND02	DynaMITE	Dynamic applications of large volume metrology in industry of tomorrow environments
20IND03	FutureCom	RF Measurements for future communications applications
20IND04	ATMOC	Traceable metrology of soft X-ray to IR optical constants and nanofilms for advanced manufacturing
20IND05	QADeT	Quantum sensors for metrology based on single-atom-like device technology
20IND06	PROMETH2O	Metrology for trace water in ultra-pure process gases
20IND07	TracOptic	Traceable industrial 3D roughness and dimensional measurement using optical 3D microscopy and optical distance sensors
20IND08	MetExSPM	Traceability of localised functional properties of nanostructures with high speed scanning probe microscopy
20IND09	PowerElec	Metrology in manufacturing compound semiconductors for power electronics
20IND10	Decarb	Metrology for industrial decarbonisation
20IND11	MetHyInfra	Metrology infrastructure for high-pressure gas and liquified hydrogen flows
20IND12	Elena	Electrical nanoscale metrology in industry
20IND13	SAFEST	Sustainable advanced flow meter calibration for transport sector
20NRM01	MetTLM	Metrology for temporal light modulation
20NRM02	MFMET	Establishing metrology standards in microfluidic devices
20NRM03	DC grids	Standardisation of measurements for DC electricity grids
20NRM04	MetrIAQ	Metrology for the determination of emissions of dangerous substances from building materials into indoor air
20NRM05	iMET-MRI	Improved metrology for quantitative MRI
20NRM06	SAPHTIES	Metrology for standardised seawater pHT measurements in support of international and European climate strategies