How to complete the JRP Output and Impact Report

The JRP Output and Impact Report is a cumulative report, which means that it should show all outputs, outreach and dissemination activities from the beginning until the end of the JRP (and associated EMRP Researcher Grants). Please insert additional lines for each impact activity (as required).

Each output (documents, articles, online tools, videos etc.) should only be recorded ONCE (i.e. not, for example, under 'Training' and under 'Other Dissemination'. The only exception is when the content of an article or report forms the content of a number of presentations.

All fields in the worksheets are mandatory (unless explicitly marked otherwise). Where drop-down menus are provided the entry must be selected from the list provided.

Data entry key	
data entry from drop down lists	**other general data entry**

For ALL Reporting (Interim and Periodic):

The 11 Worksheets should be completed. Please list details of all research outputs and dissemination activities for the JRP (& associated EMRP Researcher Grants) to date.

sheet no.	Worksheet title	Definition (what should be included)	Do NOT include	Additional guidance notes / new requirements
1	**STANDARDS & REGULATORY ACTIVITIES**	All standards and regulatory activities relating to the JRP. This includes standardisation or regulatory bodies, working groups, technical or industrial (sub)committees that the JRP-Consortium has contributed to, as well as specific documentary standards and regulations the JRP has contributed to. Links with, and inputs to, policy makers, such as the European Commission's Directorate Generals (DGs) and Directives (development or implementation) should also be recorded. This section also includes contributions to metrology committees such as those of BIPM and EURAMET		Please ensure that you provide full details so that each committee can be uniquely identified. Where a standard or regulation has been published or updated using findings from the JRP (or is planned) please use a new row to record the full ID number, title of the standard or regulation and the date (or expected date) of publication. Multiple inputs (e.g. multiple meetings) to a single committee should be recorded as separate items in the list
2	**PUBLICATIONS**	Formal publications including: articles in peer-reviewed journal; published proceedings; technical reports; good practice guides; books; contribution to books; Masters and PhD theses.	Do not include conference presentations that are not published - these should be reported in Worksheet 3 (Conference presentations and posters). Articles in the trade or popular, press releases etc, should be reported in Worksheet 5 (Other dissemiantion).	Please provide the full publication reference details (or DOI) for each item submitted (do not provide a weblink). For submitted papers fill in all cellls except the full reference/ DOI. All of the publications listed should also be sent to the EURAMET repository
3	**CONFERENCE PRESENTATIONS & POSTERS**	All presentations & posters at conferences and congresses at which the JRP outputs / findings were presented to an audience.	Do not include presentations / posters at workshops, seminars and other types of events. These should be recorded in Worksheet 5 (Other dissemination).	Where applicable please provide a link to the written paper or presentation (if available in the public domain). Please indicate the size (approximate figures are acceptable) and primary audience for the presentation (e.g. scientific community, industry, civil society, public bodies).
4	**TRAINING**	All training activities of the JRP. This includes both 'internal' training for JRP-Participants (inc. REGs) and 'external' training for non-JRP-Participants. Training includes face-to-face training courses, published training guidance documents (paper or online), on-line training, one-to-one training, etc.	Do not inclide Masters and PhD theses. These should be reported in Worksheet 2 (Publications).	Please indicate the number of people trained for each entry using the drop-down menus provided.
5	**OTHER DISSEMINATION**	All other dissemination activities of the JRP (not recorded elsewhere) that raise awareness of the JRP's activities and outputs among a broader audience. This includes newsletters, events, web sites, press releases, flyers, articles published in trade/professional press, articles in the popular press, videos, media briefings, exhibitions, interviews, films, TV clips, etc.		Please indicate the size of the audience for each entry (approximate figures are acceptable) in the relevant column.

6	**FOLLOW-ON COLLABORATIONS**	Follow-on research collaborations and staff exchangesat the European or International level that have resulted from the JRP. This includes any collaborations that involve at least two of the JRP-Participants (they may also include new partners in addition to the JRP-Participants).	Do not include follow-on collaborations within a single country.	This should not only include follow-on EMRP/EMPIR projects but also research activites and staff exchanges funded or supported from other sources (such as Horizon 2020, national funding, in-house funding, industrial funding, etc.).
7	**END USER UPTAKE & EXPLOITATION**	Details of the uptake of the JRP's outputs by end-users in industry or public organisations - such as the uptake of procedures, methods, protocols, devices and use of the new/improved measurement capabilities generated by the project. This worksheet is primarily directed at capturing uptake among industry and public organisations. However uptake for important academic research can also be reported.	Do not include IP applications (or potential applications) in this worksheet. These should be reported in Worksheet 9 (Intellectual Property) or 10 (Foreground).	Examples of what can be included in this Worksheet are provided in the additional Worksheet titled 'examples'. This Worksheet is intended to record uptake and provide a starting point for potential impact case studies so please provide as much information as posisble. In all cases you should state whether the information reported is confidential or not.
8	**COLLABORATORS & STAKEHOLDERS**	All JRP Collaborators and stakeholders. Collaborators are those organisatiosn that have signed an Exchange of Letters (or equivalent) with the JRP-Consortium. Stakeholders are a broader group of people who proactively engage with the JRP - these include, for example, advisory board/ committee members.		In most cases, one named person per organisation is sufficient. Please include contact details for the named contact. These contacts may be contacted for an impact survey. Please indicate if the MSU has permission to contact them.
9	**APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS**	List of all applications for patents, trademarks, registered designs, etc. The list should specify at least one unique identifier e.g. European Patent application reference. For patent applications, only if applicable, contributions to standards should be specified.		In all cases you should state whether the information reported is confidential or not.
10	**EXPLOITABLE FOREGROUND, ETC**	List of all exploitable foreground generated by the JRP.This is technology, devices, software, procedures, methods, protocols developed by the project that has the potentail to be exploited by external organisations. These outputs have either (i) not yet been protected by formal IP arrangements or (ii) may not be suitable for formal IP arrangements (but may be protected by other methods). If the foreground is already being used / exploited or there is significant interest this should ALSO be recorded in Worksheet 7 (End user uptake & exploitation)		In all cases you should state whether the information reported is confidential or not.
11	***Future events***	Please record any planned future events (conferences, workshops, training, etc.). This information may be used by EURAMET for promotion on the events webpage and as news stories on the EURAMET website and in the EURAMET newsletter.		

For further guidance please see the JRP Reporting Guidelines, which you can download from

http://www.emrponline.eu/downloads.html

JRP Output Report

Data entry key	
data entry from drop down lists	**other general data entry**

JRP Number:	
short name:	#N/A
Report period	
Version no.	
DATE submitted by Coordinator	
DATE Approved by MSU project Officer	
Name of approver	

No.	**Report**	**no. of items reported (auto filled)**
1	STANDARDS & REGULATORY ACTIVITIES (STAN)	3
2	PUBLICATIONS (PUB)	5
3	CONFERENCE PRESENTATIONS & POSTERS (CONF)	3
4	TRAINING (TR)	2
5	OTHER DISSEMINATION (OTH)	4
6	FOLLOW-ON COLLABORATIONS (FOLL)	1
7	END USER UPTAKE & EXPLOITATION (UP)	3
8	COLLABORATORS & STAKEHOLDERS (COLL)	4
9	APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS (IP)	1
10	EXPLOITABLE FOREGROUND, ETC (FG)	2
11	FUTURE EVENTS (FUT)	1

STANDARDS & REGULATORY ACTIVITIES: See GUIDANCE SHEET for more information on what should and shouldn't be recorded here

	Type of regulatory body	Name of standardisation Body (CEN, ISO, IEC, etc.)	Name and number of Technical Committee (or equivalent)	Name and number of working group, sub-committee (or equivalent)	Type of engagement	Date (Month and Year) of meeting	JRP-Participants involved (please provide organisation name /acronym)	(Where applicable) Title and number of published or draft standard/regulation contributed to	(Where applicable) Publication date (or planned publication date, if known) of new or updated standard/ regulation	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	European standards development organisation	CEN	TC264	WG12 Air Quality, Reference Methods	General participation in the committee	Jan 2013	VSL			5.4.1	
2	International standards development organisation	ISO	TC158	WG5 Gas Analysis	presentation of JRP activities/ research results	Feb 2012	LNE			5.4.1	
3	International standards development organisation	ISO	TC158	WG5 Gas Analysis	Input to a draft documentary standard		VSL, LNE	ISO1234:2014	Jun-15	5.4.1	

SCIENTIFIC (PEER REVIEWED) JOURNAL PUBLICATIONS: See GUIDANCE SHEET for more information on what should and shouldn't be recorded here

	Type of publication	Author(s)	Title of publication (i.e. article / paper / report / book chapter etc.)	Title of journal (book etc.)	JRP-Participants involved (this list should only include organsiations that are authors. Please provide organisation name/acronym)	Publications status	Full reference of article, book, report etc. (i.e. date of publication, volume/issue number, relevant page numbers or DOI number (do not provide a weblink) or ISBN/ISSN number)	(Where applicable) Deliverable no.	Has the publication been sent to the repository?	Additional Comments (if requried)
1	Article in peer-reviewed journal	S.Novikov, A. Satrapinski, N. Lebedeva, I. Lisakka	Sensitivity optimization of Epitaxial Graphene Based Gas Sensors	IEEE Trans. On Instrum. and Meas.	MIKES/ REG3	Published	Vol. 62.NO.6, June 2013, pp.1859-1864	JRP4.2.2/REG3 D3.1	Yes	
2	Article in peer-reviewed journal	W. Horn, M. Nohr,O. Wilke, M. Richter, O. Jann	Product emissions into indoor air: important factors for interlaboratory studies with emission test chambers (abstract submitted)	Airmon 2014 (conference proceedings)	BAM	Published	Vol. 62.NO.6, June 2013, pp.1859-1864	JRP4.2.2/REG3 D3.1	Yes	
3	Proceedings	A. Baldan	European project: Metrology for Chemical Pollutants in Air	16th International Congress of Metrology (conference proceedings)	VSL	Approved, awaiting publication	DOI:10.1051/Metrology/201310002	5.1.1/3.4.4	No	
4	Masters thesis	J Hämäläinen	Graphene Films for Gas Sensing Applications		MIKES, REG3	Published		4.2	No	Published by University of Jyväskylä, Faculty of Mathematics and Science in June 2013
5	Good Practice Guide	LNE/IL/EJPD/ SMU/UBA	Guide on static dilution technique for NO and SO2 at limit values		LNE/IL/EJPD/ SMU/UBA	Published		1.1.3	Yes	www.xxxx... (weblink to guide in public domain)

CONFERENCE PRESENTATIONS & POSTERS: See GUIDANCE SHEET for more information on what should and shouldn't be recorded here

	Presentation or poster	Author(s)	JRC-Participants involved in writing and/or presenting (provide organisation name or acronym)	Title of presentation / poster	Title of conference	Date (Month and Year) of conference	Location (country) of conference	Size of audience (approximate)	Weblink to presentation (if available in the public domain)	Primary audience	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	presentation	M. Gerboles	JRC	MACPoll Project	Aquila Workshop	Mar 2012	Italy	10-25	www.xxx....	Predominantly public bodies/agencies	5.1.1	
2	presentation	M. Gerboles	JRC	Micro-sensors for ambient air monitoring, At US-EPA	Apps & Sensors for Air Pollution (ASAP) Workshop	Mar 2012	United States	51-100	www.xxx....	Predominantly the scientific community (higher education, public research organisations)	5.1.1	
3	poster	S. Persijn, A. Baldan	VSL	Laser-based spectroscopic methods for zero gas analysis	Fotonica Conference	Mar 2012	Netherlands	>200	www.xxx....	Predominantly industry	5.1.1	

TRAINING: **See GUIDANCE SHEET for more information on what should and shouldn't be recorded here**

	Type of training and audience e.g. course, one-to-one, etc. for JRP participants (internal) or non-JRP audience (external)	Title of training	Date (Month and Year) of training	Location (country) of training	JRP-Participants involved (please provide organisation name /acronym)	Primary audience	Size of audience i.e. number of people trained, number of guidance documents distributed or downloaded, number of users of online tools etc.	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	Training course /workshop for JRP-Consortium	Absorption of ammonia on surface materials	Oct 2012	Netherlands	REG2-UH, VSL	JRP Consortium	6-10	1.1.1	
2	Training course/workshop for external (non-JRP) audience	JRP Worshop, zero gases for CO, SO2 and Nox measurements	Jun 2013	Netherlands	WP2/REG2	Predominantly public bodies/agencies	26-50	2.5.2/5.5.1	

OTHER DISSEMINATION: See GUIDANCE SHEET for more information on what should and shouldn't be recorded here

	Type of dissemination activity (event, trade journal, exhibition, etc.)	Title of event / trade journal / exhibition / etc.	Date (Month and Year) of event / trade journal / exhibition / etc.	Location (country) of event / publication etc. (if appropriate)	JRP-Participants involved (please provide organisation name /acronym)	Primary audience	Approximate size of audience reached	Weblink to article/ guide/ video etc. where available	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	TV / radio clip	RAI - Trasmissione Geo&Geo del 25 Febbraio 2014	Feb 2014		ENEA (MACPoll WP4 Collaborator)	General public	>1000		4.4.4	
2	JRP event / workshop / seminar	JRP Final Conference	May 2014		ALL	Mixed audience	101-200		5.1.3	21 presentations made by the consortium members
3	Other	Visit to Company XYZ to discuss JRP findings	Jul 2013		VSL	Predominantly industry	10-25			
4	Website	JRP website online: www.jrpabcl.com	ongoing		VSL	Mixed audience	>1000			

FOLLOW-ON COLLABORATIONS: **See GUIDANCE SHEET for more information on what should and shouldn't be recorded here**

	Type of collaboration	JRP-Consortium members involved in the collaboration	Others (external to the JRP-Consortium) involved in the collaboration	Date(s) of collaboration (years)	Funding source	Funding value (approximate in Euros)	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	Research collaboration	VSL, LNE	ABC Ltd, University of YYY, University of XXX	2014-2016	EC	150000		

END USER UPTAKE & EXPLOITATION: **See GUIDANCE SHEET and example sheet for more information on what should and shouldn't be recorded here**

	Description of uptake /use of project outputs by the end-user or users (see the 'Examples' Sheet for examples of uptake and exploitation activities)	Organisation(s) name	Relevant contact person (name)	Is this information confidential?	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	Calibration using new facilities at VSL to measure parameter X to validate new instrumentation	ABC Ltd	John Smith	Yes	1.1.1	
2	Measurement protocol developed under WP1 incorpotated in public agency guidelines	Agency X	Jane Smith	No	1.2.3.	
3	Reference materials purchased by company Y to calibrate on-line processes	XYZ GmbH	Jack Smith	No	2.1.1.	

Examples of uptake & exploitation

User uptake	**Uptake of project outputs/findings by organisations in the private and public sectors, such as:**
	Companies (or other organisations) implementing new devices, software, procedures, methods, protocols developed by the project in support (or to support) the development or implementation of new and/or improved products, processes or services Companies (or other organisations) using the new measurement capabilities at NMI/DIs to test/ validate instruments, processes, methods, etc. These might be accessed via consultancy or calibration work based on the new measurement capabilities available at NMIs/DIs as a result of the project Invitations to present the findings of the project (privately) to companies (or other potential user organisations) New accredited calibration/ test services available (or soon to be available if accreditation process still in progress) at NMI/DIs or other organisations (e.g. calibration /test labs) based on the new measurement capabilities resulting from the project Exploitation of IP generated by the project (patents and other form of IP) e.g. licensing (or significant interest in exploiting IP) *If there has been significant interest in uptake by potential users in any of the above categories (but uptake has not yet happened) this should also be reported*
Scientific uptake and impact	**Uptake and impact among the wider scientific community and among the NMI/DI community, such as:**
	Actual or planned changes to the NMI/DI CMC statements and projected timescales for the changes (actual changes if they exist but this is unlikely in the lifetime of a project) Significant advances in the SI system Significant or widespread use of the project's outputs by the scientific research community (as indicated, for example, by highly cited publications, further collaborations with the scientific community)

COLLABORATORS & STAKEHOLDERS: See GUIDANCE SHEET for more information on what should and shouldn't be recorded here

	Collaborator or stakeholder	Type of Organisation	Organisation	Location (country)	Name(s) (people)	Contact email	Contact telephone no.	The MSU intend to contact these individuals for an impact survey. Please confirm that we may contact them	Additional Comments (if requried)
1	stakeholder	Other public body	Environment Agency	Greece	John Smith	john.smith@xxxx,com	43 123 45657	Yes the MSU may contact this individual	
2	stakeholder	University /academic organisation	AAA University	Finland	Jane Smith	john.smith@xxxx,com	43 123 45657	Yes the MSU may contact this individual	
3	stakeholder	Industry - Large enterprise	XXX GmbH	Germany	Bob Brown	john.smith@xxxx,com	43 123 45657	Yes the MSU may contact this individual	
4	collaborator	Industry - SME	ABC Ltd	Belgium	John Stevens	john.smith@xxxx,com	43 123 45657	Yes the MSU may contact this individual	

APPLICATIONS FOR PATENTS, TRADEMARKS, REGISTERED DESIGNS, ETC.: See GUIDANCE SHEET for more information on what should and shouldn't be recorded here

	Type of IP Rights	Confidential?	Foreseen embargo date (month and year)	Application reference(s) (e.g.EP123456)	Subject or title of Application	Applicant (s) (as on the application)	Date (Month and Year) IP protection granted	Licensing of IP (provide details of licensee, date of licence)	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	Patents	Yes	June 2015	EPO 123456	Widget ABC for improved XYZ	PTB				

EXPLOITABLE FOREGROUND, ETC: See GUIDANCE SHEET for more information on what should and shouldn't be recorded here

	Type of Exploitable Foreground	Description of Exploitable Foreground	Confidential ?	Foreseen embargo date (month and year)	Exploitable product(s) or measure(s)	Sector(s) of application	Timetable, commercial or any other use	Patents or other IPR exploitation route expected to be used	Owner of foreground	Additional Comments (if requried)
1	Commercial exploitation of R&D	Widget XYZ for improved ABC	Yes	June 2016	Widget XYZ for improved ABC	Automotive	2-5 years	Patent to be applied for	NPL	
2	Commercial exploitation of R&D	Analysis software	Yes	Jan 2016	Incorporation of software in instrumentation	Instrumentation sector & aerospace	2-3 years	commerical confidentiality	PTB	

Please record any future events (presentations, workshops, training, etc). These may be added to the EURAMET website. **See GUIDANCE SHEET for more information on what should and shouldn't be recorded here**

	Title of event, workshop, training, etc.	Date of event (dd/mm/yyyy)	Location (city, country)	Weblink to event (if available)	JRP-Participants involved	Contact person	Contact email	Primary audience	(Where applicable) Deliverable no.	Additional Comments (if requried)
1	JRP Final Workshop	2015-02-01	Berlin, Germany	www.xxx.com	PTB, VSL	John Smith	john.smith@xxx.com	Mixed audience	ALL	