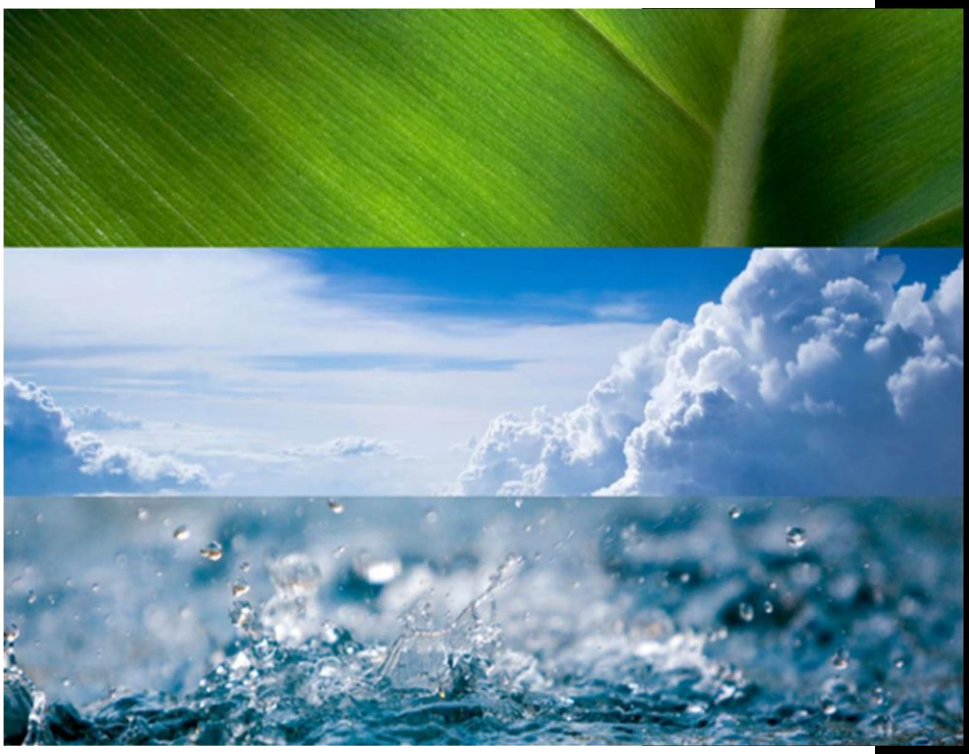
RINGO | Readiness of ICOS

Deliverable 6.11

Final Dissemination Strategy



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Version	Date	Comments/Changes	Author/Partner
3.0			

Deliverable Review Checklist

A list of checkpoints has been created to be ticked off by the Task Leader before finalizing the deliverable. These checkpoints are incorporated into the deliverable template where the Task Leader must tick off the list.

- Appearance is generally appealing and according to the RINGO template. Cover page has been updated according to the Deliverable details. x
- The executive summary is provided giving a short and to the point description of the deliverable. x
- All abbreviations are explained in a separate list. x (n/a)
- All references are listed in a concise list. x (n/a)
- The deliverable clearly identifies all contributions from partners and justifies the resources used. x
- A full spell check has been executed and is completed. x

DISCLAIMER

This document has been produced in the context of the project Readiness of ICOS for Necessities of integrated Global Observations (RINGO).

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ABSTRACT

The Project Dissemination Strategy describes the Readiness of ICOS for Necessities of integrated Global Observations (RINGO) project dissemination and communication strategy and its implementation plan. This document will be used by the consortium to ensure the high visibility, promotion and accessibility of the project and its results among identified target groups during the project as well as an efficient exploitation of its results after the end of the project. The document will be a frame of reference for evaluating the impact of dissemination and communication activities and it will be updated and accommodated as the project progresses.

The purpose of the document is to achieve the best possible impact of its activities as well as to support and strengthen collaboration. This will be done by concentrating on maximizing the scope and effectiveness of the dissemination and communication activities. These activities will raise awareness on the project and its achievements among the general public as well as address the target key stakeholders which are holding a relevant role in the field of project activities.

The RINGO Updated Project Dissemination Strategy has been structured in different sections presenting the dissemination and communication objectives, participants, target audiences, channels, messages and implementation measures.

Table of Contents

1. Introduction

This is the Final Dissemination and Exploitation Plan of the Readiness of ICOS for Necessities of integrated Global Observations (RINGO) project. The main objectives of the dissemination and communication activities of the project are to ensure that the activities and results of the project become as widely known as possible within all the participants and target audiences (defined in more detail in chapter 2.4), and in doing so, increase and concretize impact. Most relevant dissemination channels for each participant and target audiences are also identified.

This updated plan will introduce the Dissemination Strategy, participants and key target audiences, communication channels and Exploitation Plan for the project, and it will serve as a reference framework for evaluating the dissemination of activities. This plan will be updated and adjusted throughout the life span of the project.

1.1 Timeline for RINGO Dissemination and Exploitation Plans

1. The Initial draft of the RINGO Dissemination and Exploitation Plan M6
2. The Updated RINGO Dissemination and Exploitation Plan M18
3. The Final RINGO Dissemination and Exploitation Plan M36

2. Dissemination Strategy

Dissemination of project activities can be divided into two main categories: project internal and project external dissemination. Internal dissemination mainly supports the coherence between the project partners and simultaneously supports the development of the RI's internal communication culture, while external dissemination will support the project work by ensuring its visibility, accessibility and impact and enables the establishment of a stable identity of RINGO as a specific ICOS RI project that distinguishes itself from other similarly named projects and also supports the visibility of ICOS RI as a whole. All partners will contribute to the dissemination by utilizing the channels defined below.

2.1 Objectives of the dissemination activities

The objectives of the dissemination activities are as follows:

1. Planning
   - Identify contributors and target audiences, set up dissemination tools and channels, identify the main messages
2. Designing
   - Plan project visual identity
3. Distribute and represent
   - Actively use the distribution channels, organise and attend events, keep developing distribution channels
4. Evaluate
   - Evaluate the expected impact of the Dissemination Activities actively throughout the project and follow them up on updated and final Dissemination and Exploitation Plans
5. Sustain
   - Ensure a long-lasting visibility of the project activities and outcomes

2.2 Dissemination participants

All RINGO project participants are committed to contributing to the dissemination activities by actively distributing news and results within their own work packages and tasks, and by reporting on these activities to the coordinator and through the suitable dissemination channels. The following matrix describes the main actors, and responsibilities of each instance of the project involved in dissemination:

Instances in RINGO	Description	Responsibility for activities
Coordination, Scientific Coordinator	Project Coordinator (Werner Kutsch, ICOS ERIC), Project Director (Jouni Heiskanen, ICOS ERIC) and Executive Board	Oversee communication activities
Coordination, Administration	Project manager (Evi-Carita Riikonen, ICOS ERIC) Project management team member (Janne-Markus Rintala, ICOS ERIC) project assistant (Leysan Karimova, ICOS ERIC)	Plan and implement communication activities, update communication channels (internal and external) Maintains project internal management platform EMDESK
Coordination, Communication Unit	Communication specialists (Katri Ahlgren, Mari Keski-Nisula, ICOS ERIC)	Main responsibility for coordination of all communication channels. Maintain website, edit newsletters, coordinate social and traditional media activities, support event organization. Coordinate the evaluation and suggest further development of the dissemination strategy.
Task Communicator, Scientist	Scientist working in the task (not necessarily the task leader) who takes the responsibility for task communication.	Reports on task progress and identifies results that should be communicated, actively contacts Coordination, Communication Unit.
Partner, Scientist	Scientist working in the tasks	May lead journal articles or give scientific presentations. Supports Task Communicator during communication events.
Partner, Communication Unit	Communication specialists of Partner Organisation	Support scientific partners in external communication, particularly Task Communicator activities, actively contacts Coordination, Communication Unit.

Table 1. Dissemination participant

2.3 Dissemination activities and channels

The dissemination of RINGO activities and results will use an assortment of communication channels, each with specific target audiences and impact. The different channels are listed in the following table and connected to the responsible partners and expected impact. Possible performance indicators are also listed.

2.3.1 Identified Communication Channels

The coordination will evaluate the dissemination strategy by assessing the project communication and dissemination activities and exploring new possibilities; refining and updating the dissemination plan.

CHANNEL	Project internal management platform EMDESK	Project Website	Newsletters
DESCRIPTION OF ACTIVITY	Continuous updating, document repositories for all work packages, calendar, collaboration tools, monitoring tools.	Continuous basic updating; publishing of news, results and impact, deliverables, publications and key activities.	Project news published regularly in the ICOS Newsletter
RESPONSIBLE PARTNERS	Coordination, administration maintains.	Coordination, communication maintains and provides basic content	All partners committed to provide content
	All partners committed to utilize the platform.	All partners committed to provide content for the website	Coordination, communication collects and distributes newsletters
EXPECTED IMPACT	Improvement of the internal information flows.	General information about the project. Attract external co-operators and new countries. Performance indicators could be: number of unique visitors per month, number of posts published and percentage of visitors from countries other than ICOS member countries.	General information about the project. Attract external co-operators and new countries.
CHANNEL	Social Media	Media (national and international newspapers and radio/TV-channels	Professional networks and magazines / target publications
DESCRIPTION OF ACTIVITY	Continuous basic updating of ICOS Twitter and LinkedIn accounts and possibly other social networking websites; communicating of news, events, publications and results. Updating follows the guidelines provided in the 'Social media guide for EU funded R&I projects' by the European Commission (2018).	Identifying opportunities to feature RINGO in ICOS-related publications in national and international press; communicating of news, events, publications and results	Information sharing with other research infrastructures; communicating of news, events, publications and results

RESPONSIBLE PARTNERS	Coordination, communication sets up frames. All partners committed to provide content.	Partner, communication units: all partners utilize their existing communication networks	Partner, communication units: all partners utilize their existing communication networks
EXPECTED IMPACT	Support of other channels by event-related communication. Performance indicator could be number of impressions and engagements.	Information about the project and its results to general public. Sustain societal support and attract new users.	Specific information about the project results. Attract external co-operators and new users.

Table 2. Identified communication channels

CHANNEL	Scientific Publications and Materials	Conferences, Events and Workshops	Contribution to External Events
DESCRIPTION OF ACTIVITY	Producing scientific publications and informative materials (flyers, posters etc.)	Organising sessions at conferences and other events, communicating about RINGO results	Actively participating in external events and communicating participation and presentations in all external events; presenting project results
RESPONSIBLE PARTNERS	Partner, scientist; all partners are committed to the respective task	Partner, scientist; all partners are committed to the respective task. Supported by coordination.	Partner, scientist; all partners are committed to the respective task. Supported by coordination.
EXPECTED IMPACT	Visibility in the scientific community. Performance indicator could be number of scientific publications related to RINGO.	Visibility in the scientific community. Performance indicator could be number of conference sessions and presentations related to RINGO.	Visibility in the scientific community. Performance indicator could be number of events related to RINGO.

2.3.2 Detailed description of communication tools and activities

Logo

The visual elements and wording of the RINGO project logo were decided at the RINGO Kick-off meeting in February 2017. The logo has been produced in March 2017.

The project logo (fig. 1.) is based on the ICOS logo, visual identity, font and colour palette, which reflect the purpose of the project.

The logo is being used in all RINGO related internal and external communication and documents:

Fig. 1: RINGO project logo

Website

The project website (www.icos-ri.eu/ringo) has been published in February 2017. The website is integrated into the ICOS website and it is maintained by ICOS ERIC Head Office and Carbon Portal.

The project website is built around 7 sub-pages; 'Project: RINGO', 'Goals', 'Project Partners', 'News and Events', 'Results and Impact', and 'Management'. A new sub-page titled 'Materials' was published in June 2018. The website has been updated with news, deliverables and key activities.

Online channels

The project online channels are integrated into the ICOS online channels. Project news, results, deliverables, publications and key activities will be published on ICOS Twitter and LinkedIn accounts as well as occasionally in other ICOS online channels. The project has a dedicated hastag, #ICOS_RINGO. ICOS online channels are maintained by ICOS ERIC Head Office.

Project news will be published regularly in the ICOS external and internal Newsletters. The internal newsletter was established in early 2019. Both ICOS Newsletters are published monthly online by ICOS ERIC Head Office. The ICOS external newsletter is distributed to about 500 subscribers by email and it is published on the ICOS website and social media channels. Subscribing to the ICOS external Newsletter is of free-of-charge and open to everyone. The internal newsletter has about 250 subscribers, and its purpose is to inform the people that are active within the ICOS RI community.

Press releases

Opportunities to feature RINGO in ICOS-related press releases in national and international press will be identified in order to communicate news, events, publications and results of the project. Press releases are distributed by ICOS ERIC Head Office.

2.4 Dissemination target audiences

Within the RINGO project, the following target audience groups have been identified, based on the ICOS Communications strategy draft:

- ICOS research community
- Other members of European and international scientific community
- European and international research infrastructures
- Other related projects and initiatives
- Relevant ministries and other national, regional and local authorities
- Education sector (Universities, Institutes and Research Centres)
- Relevant EU institutions and policy makers
- Private sector
- Intergovernmental and international organizations
- General Public

2.5 Messages to be disseminated

All of the six work packages included in the RINGO project have their very own and specific aims focusing on their specific aspect of either scientific, geographic, technological, data or management aspect of the project . The main outputs for each work package are described below, keeping in mind the relevant main target audiences for each work package:

Target audience	WP1	WP2	WP3	WP4	WP5	WP6
ICOS research community	Communication of the impact and the long-term strategy of ICOS RI.		The state-of-the-art technical approaches that ICOS RI should aim to implement.	Increasing the interoperability of ICOS data through a meta-data type registry.	Confirmation that ICOS is global player by connection to domain-specific integration projects.	Establishing an image of a reliable and efficient coordinator.
Other members of European and international scientific community	Communication of concepts for fossil fuel emissions and in-situ and remote sensing integration.	Sharing the information and best practices with ICOS candidate and partner countries.	New technical developments need involvement from the scientific community, dedication and resources, and one method is trial-and-error	Making the ICOS data visible and known for the interdisciplinary academic community	ICOS supports global scientific efforts for better knowledge on GHG fluxes.	Enabling RINGO and ICOS to present themselves as clear and coherent entities that could create interdisciplinary interest.
European and international research infrastructures	Cooperation and inter-operability strategy. Communication of the impact and the long-term strategy of ICOS RI.		ICOS is active in developing new measurement methods and open for new collaborations, technical standardization ICOS is exploring the best ways to stay on par with future requirements from RIs.	Improving and making legacy (per-ICOS) data available at the best possible level of quality including uncertainties.	ICOS is role model for global integration.	Enabling RINGO and ICOS to present themselves as clear and coherent entities. Setting a good example about coordination of projects led by an ERIC.

Other related projects and initiatives (including UNFCCC, GCOS, WMO and GEO)	ICOS wants to become a key player in the Global GHG Observation system and support initiatives such as IG^{3}IS (WMO) and GEO-C.		Technical advancements should be systematically explored. Innovation will be transferred to global systems.	Enabling Synergies.	ICOS supports global domain-specific networks such as FLUXNET and SOCAt.	Enabling Synergies.
Relevant ministries and other national, regional and local authorities	Communication of the impact and the long-term strategy of ICOS RI. Showing benefits of ICOS membership.	Benefits of being part of ICOS ERIC.	ICOS is integrally related to the industrial sector and new products development.	Establishing an ICOS identity as a reliable provider of data for policy making/increasing awareness/for different user groups.	ICOS is key player in global GHG observations and develops this important scientific role further.	Enabling ICOS to present itself as capable of sustainable operations.

Table 3. Messages to be disseminated

3. Exploitation Plan

This chapter describes the way the individual project partners, as well as the project consortium as a whole, intend to present and make the project outputs visible and known; and in doing so, support the sustainability and further development of the project outcomes.

Project partner	WP and task(s) where involved	Exploitation action and channel
Coordination	WP2, Task 2.1. Handbook for Stakeholders	Support new countries to join ICOS, support other RIs and ERICs with the development of best practices
IOW, Coordination	WP3, Task 3.2. Development of new GHG concentration measurement methods for oceanic ships	Promote development outcomes for the oceanic GHG community
UHEI, Coordination	WP1, Task 1.2. Scientific-technical document for requirements of fossil fuel observation system	Promote development outcomes for the atmospheric community
ICOS ERIC	WP4, Task 4.1. Unified metadata base	Promote best practices with data management and interoperability within the Earth Observation community

ICOS ERIC	WP5	ICOS will position itself to act as the European regional center for IG3IS and the GEO Flagship initiative on the Carbon Cycle and GHG. In particular, ICOS will promote in collaboration with the international partners, its solutions on data processing, management, and distribution

Table 4. Exploitation Plan

4. Publications

No.	Type	Title	Authors	Title of the Journal/Proc./Book	Date of Acceptance	DOI
1	Article in Journal	Ship-based contributions to global ocean, weather, and climate observing systems	Smith, Shawn R.; Alory, Gaël; Andersson, Axel; Asher, William; Baker, Alex; Berry, David I.; Drushka, Kyla; Figurskey, Darin; Freeman, Eric; Holthus, Paul; Jickells, Tim; Kleta, Henry; Kent, Elizabeth C.; Kolodziejczyk, Nicolas; Kramp, Martin; Loh, Zoe; Poli, Paul; Schuster, Ute; Steventon, Emma; Swart, Sebastiaan; Tarasova, Oksana; Petit De La Villeon, Loic; Vinogradova-shiffer, Nadya	Frontiers in Marine Science, Vol 6 (2019)	02/08/2019	10.3389/fmars.2019.00434/full 10.3389/fmars.2019.00434
2	Article in Journal	Standardisation of eddy-covariance flux measurements of methane and nitrous oxide	Nemitz, Eiko; Mammarella, Ivan; Ibrom, Andreas; Aurela, Mika; Burba, George G.; Dengel, Sigrid; Gielen, Bert; Grelle, Achim; Heinesch, Bernard; Herbst, Mathias; Hörtnagl, Lukas; Klemedtsson, Leif; Lindroth, Anders; Lohila, Annalea; McDermitt, Dayle K.; Meier, Philip; Merbold, Lutz; Nelson, David; Nicolini, Giacomo; Nilsson, Mats B.; Peltola, Olli; Rinne, Janne; Zahniser, Mark	Nemitz , E , Mannarella , I , Ibrom , A , Aurela , M , Burba , G G , Dengel , S , Gielen , B , Grelle , A , Heinesch , B , Herbst , M , Hörtnagl , L , Klemedtsson , L , Lindroth , A , Lohila , A , McDermitt , D K , Meier , P , Merbold , L , Nelson , D , Nicolini , G , Nilsson , M B , Peltola , O , Rinne , J & Zahniser , M 2018 , ' Standardisation of eddy-covariance flux measurements of methane and nitrous oxide ' , International Agrophysics , vol. 32 , no. 4 , pp. 517-549 . https://doi.org/10.1515/intag-2017-0042	01/12/2018	10.1515/intag-2017-0042 10.3929/ethz-b-000313354
3	Other	Applicability and consequences of the integration of alternative models for CO2 transfer velocity into a process-based lake model	P. Kiuru; P. Kiuru; A. Ojala; A. Ojala; A. Ojala; I. Mammarella; J. Heiskanen; J. Heiskanen; K.-M. Erkkilä; H. Miettinen; T. Vesala; T. Vesala; T. Huttula	Biogeosciences, Vol 16, Pp 3297-3317 (2019)	04/09/2019	10.5194/bg-16-3297-2019

4	Other	Eddy covariance flux errors due to random and systematic timing errors during data acquisition	G. Fratini; S. Sabbatini; K. Ediger; B. Riensche; G. Burba; G. Burba; G. Nicolini; D. Vitale; D. Papale; D. Papale	eISSN: 1726-4189	01/09/2018	10.5194/bg-15-5473-2018
5	Other	Monthly gridded data product of northern wetland methane emissions based on upscaling eddy covariance observations	Peltola, Olli; Vesala, Timo; Gao, Yao; Räty, Olle; Alekseychik, Pavel; Aurela, Mika; Chojnicki, Bogdan; Desai, Ankur R.; Dolman, Albertus J.; Euskirchen, Eugenie S.; Friborg, Thomas; Göckede, Mathias; Helbig, Manuel; Humphreys, Elyn; Jackson, Robert B.; Jocher, Georg; Joos, Fortunat; Klatt, Janina; Knox, Sara H.; Kowalska, Natalia; Kutzbach, Lars; Lienert, Sebastian; Lohila, Annalea; Mammarella, Ivan; Nadeau, Daniel F.; Nilsson, Mats B.; Oechel, Walter C.; Peichl, Matthias; Pypker, Thomas; Quinton, William; Rinne, Janne; Sachs, Torsten; Samson, Mateusz; Schmid, Hans Peter; Sonnentag, Oliver; Wille, Christian; Zona, Donatella; Aalto, Tuula	Earth System Science Data, Vol 11, Pp 1263-1289 (2019)	22/08/2019	10.5445/IR/1000098212 10.5194/essd-2019-28
6	Article in Journal	Contributions of the troposphere and stratosphere to CH4 model biases	Wang, Zhiting; Warneke, Thorsten; Deutscher, Nicholas M.; Notholt, Justus; Karstens, Ute; Saunois, Marielle; Schneider, Matthias; Sussmann, Ralf; Sembhi, Harjinder; Griffith, David W. T.; Pollard, Dave F.; Kivi, Rigel; Petri, Christof; Velazco, Voltaire A.; Ramonet, Michel; Chen, Huilin	urn:issn:1680-7316	09/11/2017	
7	Article in Journal	Global Carbon Budget 2018	Le Quéré, Corinne; Andrew, Robbie M.; Friedlingstein, Pierre; Sitch, Stephen; Hauck, Judith; Pongratz, Julia; Pickers, Penelope A.; Korsbakken, Jan Ivar; Peters, Glen P.; Canadell, Josep G.; Arneth, Almut; Arora, Vivek K.; Barbero, Leticia; Bastos, Ana; Bopp, Laurent; Chevallier, Frédéric; Chini, Louise P.; Ciais, Philippe; Doney, Scott C.; Gkritzalis, Thanos; Goll, Daniel S.; Harris, Ian; Haverd, Vanessa; Hoffman, Forrest M.; Hoppema, Mario;	eISSN: 1866-3516	05/12/2018	10.5445/IR/1000089056 10.5194/essd-10-2141-2018

			Houghton, Richard A.; Hurtt, George; Ilyina, Tatiana; Jain, Atul K.; Johannessen, Truls; Jones, Chris D.; Kato, Etsushi; Keeling, Ralph F.; Goldewijk, Kees Klein; Landschützer, Peter; Lefèvre, Nathalie; Lienert, Sebastian; Liu, Zhu; Lombardozzi, Danica; Metzl, Nicolas; Munro, David R.; Nabel, Julia E. M. S.; Nakaoka, Shin-ichiro; Neill, Craig; Olsen, Are; Ono, Tsueno; Patra, Prabir; Peregon, Anna; Peters, Wouter; Peylin, Philippe; Pfeil, Benjamin; Pierrot, Denis; Poulter, Benjamin; Rehder, Gregor; Resplandy, Laure; Robertson, Eddy; Rocher, Matthias; Rödenbeck, Christian; Schuster, Ute; Schwinger, Jörg; Séférian, Roland; Skjelvan, Ingunn; Steinhoff, Tobias; Sutton, Adrienne; Tans, Pieter P.; Tian, Hanqin; Tilbrook, Bronte; Tubiello, Francesco N.; van der Laan-Luijkx, Ingrid T.; van der Werf, Guido R.; Viovy, Nicolas; Walker, Anthony P.; Wiltshire, Andrew J.; Wright, Rebecca; Zaehle, Sönke; Zheng, Bo			

No	Type	Title	Authors	Title of the Journal/Proc./Book	Number, date or freq. of the Journal/ Proc./Book	Is Peer-reviewed?	Is Open Access?	DOI
1	Article in Journal	Mean age of stratospheric air derived from AirCore observations	Andreas Engel, Harald Bönisch, Markus Ullrich, Robert Sitals, Olivier Membrive, Francois Danis, Cyril Crevoisier	Atmospheric Chemistry and Physics	17/11	Yes	Gold	10.5194/acp-17-6825-2017
2	Article in Journal	Impact of CO 2 storage flux sampling uncertainty on net ecosystem exchange measured by eddy covariance	Giacomo Nicolini, Marc Aubinet, Christian Feigenwinter, Bernard Heinesch, Anders Lindroth, Ossénatou Mamadou, Uta Moderow, Meelis Mölder, Leonardo Montagnani, Corinna Rebmann, Dario Papale	Agricultural and Forest Meteorology	248	Yes	Gold	10.1016/j.agrformet.2017.09.025
3	Article in Journal	Global Carbon Budget 2017	Corinne Le Quéré, Robbie M. Andrew, Pierre Friedlingstein, Stephen Sitch, Julia Pongratz, Andrew C. Manning, Jan Ivar Korsbakken, Glen P. Peters, Josep G. Canadell, Robert B. Jackson,	Earth System Science Data	10/1	Yes	Gold	10.5194/essd-10-405-2018

			Thomas A. Boden, Pieter P. Tans, Oliver D. Andrews, Vivek K. Arora, Dorothee C. E. Bakker, Leticia Barbero, Meike Becker, Richard A. Betts, Laurent Bopp, Frédéric Chevallier, Louise P. Chini, Philippe Ciais, Catherine E. Cosca, Jessica Cross, Kim Currie, Thomas Gasser, Ian Harris, Judith Hauck, Vanessa Haverd, Richard A. Houghton, Christopher W. Hunt, George Hurtt, Tatiana Ilyina, Atul K. Jain, Etsushi Kato, Markus Kautz, Ralph F. Keeling, Kees Klein Goldewijk, Arne Körtzinger, Peter Landschützer, Nathalie Lefèvre, Andrew Lenton, Sebastian Lienert, Ivan Lima, Danica Lombardozzi, Nicolas Metzl, Frank Millero, Pedro M. S. Monteiro, David R. Munro, Julia E. M. S. Nabel, Shin-ichiro Nakaoka, Yukihiro Nojiri, X. Antonio Padin, Anna Peregon, Benjamin Pfeil, Denis Pierrot, Benjamin Poulter, Gregor Rehder, Janet Reimer, Christian Rödenbeck, Jörg Schwinger, Roland Séférian, Ingunn Skjelvan, Benjamin D. Stocker, Hanqin Tian, Bronte Tilbrook, Francesco N. Tubiello, Ingrid T. van der Laan-Luijkx, Guido R. van der Werf, Steven van Heuven, Nicolas Viovy, Nicolas Vuichard, Anthony P. Walker, Andrew J. Watson, Andrew J. Wiltshire, Sönke Zaehle, Dan Zhu					
4	Article in Journal	Contributions of the troposphere and stratosphere to CH₄ model biases	Zhiting Wang, Thorsten Warneke, Nicholas M. Deutscher, Justus Notholt, Ute Karstens, Marielle Saunois, Matthias Schneider, Ralf Sussmann, Harjinder Sembhi, David W. T. Griffith, Dave F. Pollard, Rigel Kivi, Christof Petri, Voltaire A. Velazco, Michel Ramonet, Huilin Chen	Atmospheric Chemistry and Physics	17/21	Yes	Gold	10.5194/acp-17-13283-2017
5	Article in Journal	Contributions of the troposphere and stratosphere to CH₄ model biases	Zhiting Wang, Thorsten Warneke, Nicholas Deutscher, Justus Notholt, Ute Karsten, Marielle Saunois, Mattias Schneider, Ralf Sussmann, Harjinder Sembhi, Dave W. T. Griffith, Dave F. Pollar, Rigel Kivi, Christof Petri, Voltaire A. Velazco, Michel Ramonet, Huilin Chen	Atmospheric Chemistry and Physics Discussions		Yes	Gold	10.5194/acp-2016-1041
6	Publication in Conference proceedings/Workshop	Using global satellite and in-situ information to constrain CO2 emissions	Philippe Ciais (1), Thomas Lauvaux (1), Felix Vogel (2), Yasjka Meijer (3), Yilong Wang (1), Franck Lespinas (1), Max Reuter (4), Michael Buchwitz (4), Grégoire Broquet (1), and François Marie Bréon (1) (1) Laboratoire des Sciences du Climat et de l'Environnement LSCE, Gif sur Yvette, France, (2) Environment and Climate Change Canada | Environnement et Changement Climatique Canada ECCC, Toronto, Canada, (3) EOP-SM - Earth and Mission Science Division ESA ESTEC, Noordwijk The Netherlands, (4) Institute of Environmental Physics (IUP), Bremen, Germany	Geophysical Research Abstracts	Vol. 20, EGU2018-3157-1, 2018	Yes	Gold	

5. Conclusions

This Dissemination and Exploitation Plan has been produced with the aim at describing the ways the RINGO project will disseminate project results and activities.

Present plan also outlines the ways the project results will be exploited. This is meant to be a living document which will be updated constantly during the project.

6. Appendix 1: Reporting scheme

1. Online & Interactive channels

Since the launch of the project, there has already been some activity on the website and social media. During the life span of the project the use of other channels will be developed.

Project website

Webpage name	Type of visibility (interview; article, citation, other)	Coverage
RINGO news and events	News article 'Study reveals how environmental impacts on European ecosystems can be monitored more accurately', October 2019	Global
RINGO news and events	News article 'Transfer of knowledge at RINGO Summer School', October 2019	Global
RINGO news and events	News article 'AirCore campaign visits ICOS Trainou site', July 2019	Global
ICOS news	News article 'ICOS Handbook published', May 2019	Global
RINGO news and events	News article 'ICOS Marine Monitoring Station Assembly', March 2019	Global
RINGO news and events	News article 'ICOS Symposium on the North Atlantic Carbon Cycle', March 2019	Global
RINGO news and events	News article 'ICOS Ocean Thematic Centre Industry–Science Observing Forum', March 2019	Global
RINGO news and events	News article 'RINGO Annual Meeting', Jan 2018	Global
RINGO news and events	News article 'Are you lost while trying to seek for the correct information?', Dec 2017	Global
RINGO news and events	News article 'RINGO Kick-off meeting in Heidelberg', Feb 2017	Global
ICOS news	News article 'ICOS ERIC coordinated RINGO project launched in Heidelberg', February 2017	Global
ICOS events	Event 'RINGO Kickoff in Heidelberg', January 2017	Global

Newsletter

Newsletter name	Type of visibility (interview; article, citation, other)	Coverage
ICOS Newsletter 10/2019	News article 'Study reveals how environmental impacts on European ecosystems can be monitored more accurately', October 2019	Global
ICOS Community News 10/2019	News article 'Study reveals how environmental impacts on European	ICOS community

	ecosystems can be monitored more accurately', October 2019	
ICOS Community News 7/2019	News article 'AirCore campaign at ICOS Trainou site', July 2019	ICOS community
ICOS Newsletter 7/2019	News article 'AirCore campaign visits ICOS Trainou site', July 2019	Global
ICOS Community News 5/2019	News article 'First ICOS Handbook published', May 2019	ICOS community
ICOS Newsletter 5/2019	News article 'ICOS Handbook published', May 2019	Global
ICOS Community News 2/2019	News article 'ICOS Handbook in the making', February 2019	ICOS community
ICOS Community News 1/2019	News article 'Several events organised around the RINGO Annual Meeting', January 2019	ICOS community
ICOS Newsletter 1/2019	News article 'ICOS Symposium on the North Atlantic Carbon Cycle', January 2019	Global
ICOS Newsletter 1/2019	News article 'Joint event for shipping industry & ocean community', January 2019	Global
ICOS Community News 12/2018	News article 'Events: RINGO'	ICOS community
ICOS Newsletter 7/2018	News article 'Save the date: RINGO Annual meeting', October 2018	Global
ICOS Newsletter 2/2018	News article 'ICOS community meets at RINGO Annual Meeting', May 2018	Global
ICOS Summer Newsletter 2017	News article on project updates, July 2017	Global
ICOS Spring Newsletter 2017	News article 'RINGO launched in Heidelberg', April 2017	Global

Project management platform

Project management platform name	**Type of visibility (interview; article, citation, other)**	**Coverage**
EMDESK	EMDESK project management platform operational, internal materials continuously uploaded	RINGO Consortium

2. Non-electronic

This section will be regularly updated. Scientific Publications:

Publication name	**Area of Interest**	**Coverage**

Project Public Deliverables

Deliverable name	**Date of publishing**	**Places where published or to be published**

Deliverable 6.6 Updated Dissemination Plan	June 2018	RINGO website https://www.icos-ri.eu/node/377
Deliverable 6.7 Updated Data Management Plan	June 2018	
Deliverable 6.8 Updated Risk Management Plan	June 2018	
Deliverable 2.2 Concept document on collaboration with countries and stations outside European Union	January 2018	
Deliverable 2.4 Online platform as part of ICOS webpages including technical and scientific training material	December 2017	
Deliverable 5.1 Concept for ICOS involvement in carbon and GHG flagship inside GEO and IG3IS program by WMO	April 2018	
Deliverable 6.2 Project internal communication	June 2017	
Deliverable 6.3 Initial Project Dissemination Strategy	June 2017	
Deliverable 6.4 Initial Data Management Plan	June 2017	
Deliverable 6.5 Initial Risk Management Plan	June 2017	
Deliverable 6.1 Organization of project Kick-off meeting, including a General Assembly meeting and Executive Board Meeting	March 2017	

3. Project Internal Interactive Channels

This section will be regularly updated. Contribution to Internal Events during the first 18 months:

Type of Event	Name and date of Event	Place	Coverage (e.g. WP-level, Consortium level)
Kick-off Meeting	RINGO Kick-off meeting 21.-23.02.2017	Kirchhoff Institute for Physics, Heidelberg, Germany	Consortium level
Training and Workshops	Training workshops for scientists in candidate countries: Initial workshop on manager training for new countries	Czech Globe, Czech Republic	Consortium level; WP2
	TCCON and ICOS data integration workshop, June 9, 2018	In conjunction with the 2018 annual TCCON meeting, University of Mexico (UNAM, Universidad Nacional Autónoma de México) in Hacienda Cocoyoc, Cuautla, Mexico	WP1
	TCCON and ICOS technical integration workshop		WP1
	Skogaryd Research Catchment workshop June 2018	Skogaryd Research Catchment, University of Gothenburg, Sweden	WP1
	Workshop on non-CO2 eddy covariance measurements, 19 Mar 2019	Southampton, UK	WP3
	Measurement campaign and workshop on vertical profile measurements, June 2019	Trainou, France	WP3
	Workshop on aquatic transport and lateral fluxes, 5-8 Nov 2019	Hyytiälä forestry field station, Finland	WP1
Annual Meetings and General Assemblies	RINGO annual meeting 20.-22.3.2018	University of Antwerp, Belgium	Consortium level
	RINGO Annual Meeting March 2019	Southampton, UK	Consortium level
	RINGO Annual Meeting March 2020	Poznan, Poland	Consortium level
Executive Board Meetings	Every second month, via Webex	Virtual meetings	EB level
Other Events			
Final Meeting			

4. Project External Interactive Channels

Contribution to External Events:

Name and date of Event	Place	Type of Event	Contribution (presentation, poster, keynote, booth, invited speaker other than keynote etc.)
ISI MIP and PROFOUND Cost action final workshop 9-10 October, 2017	Potsdam Institute for Climate Impact Research (PIK)	Workshop	Participation (communications), WP3
AGU fall meeting 11-15 December 2017	New Orleans Ernest N. Morial Convention Center, USA	Conference	Panel session on “Integration of Ecosystem Research Infrastructures for Multi-Scale Analysis” WP5
GLODAP reference group meeting at the 2018 Ocean Sciences Meeting 11-16 February 2018	Oregon Convention Center, Portland	Conference	Participation; WP5