

# ICOS OTC Work Programme 2020/21

‘Helping the ICOS ocean carbon community to deliver the high-quality data we need to quantify and understand climate change over long timescales in an efficient way’



Core Workstreams; L+M = Leadership and Management, T and S = Training and Support, L = Labelling, D = Data, T = Technology

Core funding = grant we have in view, Grant = action to be supported by grant we will write

No	Work stream	Need	Plan	Owner	Date	Funding Source
1	L+M	To Manage OTC	i) Run weekly meetings, ii) Produce annual budget, workplan, management plan, financial and other reports and attend MSA/RICOMS and GAs as required to communicate these	Richard/ Andy/ Jess/ Erik	Ongoing	Core
2	L+M	To Manage OTC	Review Action List annually at OTC meeting in Q4 after GA and before workplan submitted to HO.	Richard/ Jess/ Andy / Erik	Annual in Q4	Core
3	L+M	To Manage OTC	To Implement OTC Advisory Board/Steering committee via a quarterly meeting during one Tuesday meeting	Richard/ Jess/ Andy / Erik	Ongoing	Core
4	L+M	To Manage OTC	To refresh OTC website via adding Letters, Action Plan, Slides, Newsletters, Publications etc.	Jess and Erik	Ongoing	Core
5	L+M	To Manage OTC	Develop and deliver annual Comms plan linked to HO and BCCR Comms teams, identifying Calendar of events. This to include twitter, blogs, talks at meetings.	Richard/ Jess	September 2020	Core
6	L+M	To Support MSA	Communicate with MSA including clear articulation of offer via quarterly Newsletter, annual face to face and virtual updates at MSA, twice yearly station ringarounds,	Richard + Jess + Andy	Ongoing	Core
7	L+M	To Support MSA	To formally communicate with new stations via New Stations email with MSA Chair directing them to relevant portals and websites	Richard/MSA chairs	Ongoing	Core
8	L+M	To Support MSA	To produce step change in level of funding for (Surface) Ocean CO <sub>2</sub> observing via	Richard	Ongoing	Core

			ICOS Task Team incorporating stakeholder liaison, high profile manuscript and network scoping meeting.			
9	L+M	To Support MSA	Support Station Funding renewals via producing letters of support outlining importance of that station Develop comms with stakeholders around funding needs informed by station funding survey	Richard	September 2020	Core
10	L+M	To Grow ICOS Network	To grow the Ocean ICOS network to include inter alia Greece, Romania, Portugal, Iceland, Ireland, Holland and Denmark. This via discussions with stakeholders, attending meetings and writing grants including EEA funding streams where appropriate.	Richard/ MSA chairs	Ongoing	Core
11	L+M	To grow ICOS Network	To provide material for potential new station grant proposals including map demonstrating where new observations needed	Richard	September 2020	Core
12	L+M	To Project ICOS Outwards	To showcase science done by network by e.g. convening sessions ICOS Science Meeting and EGU 2021	Richard	Sept 2020/ April 2021	Core
13	L+M	To Project ICOS Outwards	To liaise with other RIs (EurArgo, EMSO, Danubius and Jerico), via Meetings and proposals	Richard	April 2021	Core
14	L+M	To Project ICOS Outwards	Investigate mission overlap and potential cost savings with IOCCP	Richard and Jess	Autumn 2020	Core
15	L+M	To Lead Exploitation of ICOS Data	To promote interstation exchanges and exploitation of data via Marie Curie Proposals	Richard	Q1 2021	Grant
16	L+M	To Lead Exploitation of ICOS Data	To produce an annual traceable estimate of ocean C uptake by European Seas via grant to Green Deal .	Andy Benjamin	Q1 2021	Grant

17	Label ling	To improve, document and maintain network operations	To work with stations and help them through the labelling process	Ingunn	Ongoing	Core
18	Label ling	To improve, document and maintain network operations	Contribute to annual HO coordinated station reports document.	Ingunn	Ongoing	Core
19	Label ling	To support calibration of FPO stations using membrane sensors	Deliver 2019/20 Saildrone mission as prototype for one solution to FOS calibration issues	Ingunn	Ongoing	Core
20	Label ling	To support calibration of FPO stations using membrane sensors	Maintain contact with Saildrone and Seek grant funding to build on Current mission	Ingunn/ Andy	Ongoing	Grant
21	Data	Facilitate data transfer from stations to Databases	Receive data in NRT and delayed mode and make them available to the CP and CMEMS	Steve/ Benjamin/ Camilla	Ongoing	Core
22	Data	Facilitate data transfer from stations to Databases	Submit data and metadata on a regular basis	Steve/ Benjamin/ Camilla	Ongoing	Core
23	Data	QC stations	Follow the ICOS data life cycle as described in the official ICOS document	Steve/ Benjamin/ Camilla	Ongoing	Core
24	Data	Develop Data Handling	QuinCe development to include making it more operational, adding pH, documentation, KPIs and link to SOCAT.	Steve/ Benjamin/ Camilla	Ongoing	Core
25	Data	To Train network	Produce QuinCe training materials and direct support via courses and 1:1 tuition.	Steve/ Benjamin/ Camilla	Ongoing	Grant
26	Data	Integrate with sensor community	Sensor intercomparison – preparation & attendance	Steve/ Benjamin/ Camilla	Ongoing	Core
27	Data	Integration of ICOS data handling into International Structures	Align activities with SOCONET, SOCAT, GOAN	Steve/ Benjamin/ Camilla	Ongoing	Grant
28	Data	To widen applicability of ICOS data	link to SDG indicators OA development work	Ingunn	Ongoing	Core

29	Tech	To enable stations to deliver high quality reliable data streams at low cost	To review available technology (including availability, usage, price, sustainability) and communicate it to the MSA. Contribute to IOCCP sensors/instrument website	Socratis/ Tobias	Ongoing	Core
30	Tech	To support calibration of FPO stations using membrane sensors	Produce membrane station support plan in consultation with stations (yr. 1 likely to be direct payment for calibrations, then provision of samplers etc).	MSA Chairs Socratis	Ongoing	Grant/ Core
31	Tech/ T+S	To support station operations across the network	Assess instrument needs of network and make investment plan for capital	Tobias/ Socratis + MSA chairs	Ongoing	Core
32	T+S	To support Gas Standards roll out	Liaise with Stations regarding the supply of bottles, standards, regulators	Tobias	Ongoing	Core
33	T+S	To deliver 2021 intercalibration exercise	Produce Budget, Decide on scale of ICOS support for non ICOS members	Tobias/ Emil	Ongoing	Core
34	T+S	To support stations	Undertake station visits as required up to max of 2 per year. As part of these communicate importance of station to network and climate science via comms channels as above	Tobias	Ongoing	Core
35	T+S	To train network	To deliver annual training events associated with F2F MSA meeting and a virtual meeting	Tobias	Ongoing	Core
36	MSA	To run MSA	Plan annual F2F MSA meetings plus intermediate virtual meetings (every 3 mo.?)	MSA chairs	Ongoing	Core
37	MSA	To run MSA	To run MSA chair election process and to seek funding for the post	MSA chairs	Ongoing	Core
38	MSA	To run MSA	To comment on OTC workplan and to act as interface between OTC and MSA	MSA chairs	Ongoing	Core