

ICDC10 Poster Presentations (sorted by poster board number, 14 August 2017)

Poster Session 1	Monday, 10:00-11:30	Theme 1.1 (part 1): The Contemporary Carbon Cycle - Trends, Variability and Time of Emergence of Human Impacts
Poster Session 2	Monday, 15:30-17:00	Theme 1.1 (part 2): The Contemporary Carbon Cycle - Trends, Variability and Time of Emergence of Human Impacts
Poster Session 3	Tuesday, 10:00-11:30	Theme 1.2 (part 1): The Contemporary Carbon Cycle - Emerging Approaches and Novel Observation Techniques
Poster Session 4	Tuesday, 15:30-17:00	Theme 1.2 (part 2): The Contemporary Carbon Cycle - Emerging Approaches and Novel Observation Techniques
Poster Session 5	Thursday, 9:50-11:10	Theme 2: The Paleo Perspective: Patterns, Processes and Planetary Boundaries / Theme 4: Scenarios of the Future Earth and Steps toward Long-term Earth System Stability
Poster Session 6	Thursday, 15:20-16:40	Theme 3.1 (part 1): Biogeochemical Processes - Processes Understanding and Human Impacts
Poster Session 7	Friday, 10:00-11:30	Theme 3.1 (part 2): Biogeochemical Processes - Processes Understanding and Human Impacts / Theme 3.2: Biogeochemical Processes - Coping with Complexity

First Author (* if also presenting author)	Presenting Author (if other than first author)	Title	Poster Session	Theme	Poster board	Location
Affolter, Stéphane*		High altitude CO2 measurements at the Jungfrauoch (Switzerland): Comparison between the Sphinx (3570 m a.s.l.) and East Ridge (3690 m a.s.l.)	Poster Session 1	Theme 1.1	1	Concert Hall
Levin, Ingeborg*		Long-term changes of D14CO2 in the global atmosphere	Poster Session 2	Theme 1.1	2	Concert Hall
Andrews, Arlyn Elizabeth*		Top-down constraints on the North American carbon cycle from the first ten years of the North American Carbon Program	Poster Session 3	Theme 1.2	3	Concert Hall
Machida, Toshinobu*		Present activities and future plan for CONTRAIL project	Poster Session 4	Theme 1.2	4	Concert Hall
Agusti-Panareda, Anna*		On the benefits of using high resolution transport and fluxes to simulate atmospheric CO2 variability	Poster Session 1	Theme 1.1	5	Concert Hall
Li, Hongmei*		Decadal predictions of the oceanic carbon sink: skills and challenges	Poster Session 2	Theme 1.1	6	Concert Hall
Basu, Sourish*		Quantifying Trends in Fossil Fuel CO2 Emissions Using Radiocarbon Measurements	Poster Session 3	Theme 1.2	7	Concert Hall
Mäkelä, Jarmo	Aalto, Tuula*	Multimodel parameter optimization of JSBACH canopy conductance, GPP and ET formulations against micrometeorological flux data at boreal sites	Poster Session 4	Theme 1.2	8	Concert Hall
Barningham, S. Thomas	Manning, Andrew C.*	Evidence for climate driven variability in the seasonal cycles of atmospheric O2 and CO2 from Weybourne Atmospheric Observatory, United Kingdom	Poster Session 1	Theme 1.1	9	Concert Hall
Li, Yangchun*		Entrainment velocity and tropical Pacific air-sea CO2 flux during ENSO events simulated in CMIP5	Poster Session 2	Theme 1.1	10	Concert Hall
Becker, Meike*		Surface ocean fCO2 maps along the Norwegian coast	Poster Session 3	Theme 1.2	11	Concert Hall
Maki, Takashi*		Observing System Experiments with Multiple Satellites for Carbon Cycle Analysis using the Local Ensemble Transform Kalman Filter	Poster Session 4	Theme 1.2	12	Concert Hall
Biraud, Sebastien*		The AmeriFlux Network Management Project	Poster Session 1	Theme 1.1	13	Concert Hall
Lo Monaco, Claire*		CO2 monitoring in the South-West Indian Ocean over the last three decades	Poster Session 2	Theme 1.1	14	Concert Hall
Bent, Jonathan*		The AirCore Sampler: data and software releases, and a new UAV-based sampling technique for quantifying CO2, CH4 and CO point sources	Poster Session 3	Theme 1.2	15	Concert Hall
Matsunaga, Tsuneo*		GOSAT and GOSAT-2 : Data Products, Science Achievements, and Future	Poster Session 4	Theme 1.2	16	Concert Hall
Bousquet, Philippe	Saunio, Marielle*	The global methane budget 2000-2012. What's next?	Poster Session 1	Theme 1.1	17	Concert Hall
Manizza, Manfredi*		Modeling the response of CO2 uptake of the Arctic Ocean to recent climate change	Poster Session 2	Theme 1.1	18	Concert Hall
Bombelli, Antonio	Heiskanen, Jouni*	Towards policy-relevant global carbon cycle observation and analysis: The GEO Carbon and GHG Initiative	Poster Session 3	Theme 1.2	19	Concert Hall
McKain, Kathryn*		Global observed CO2 distributions from the Atmospheric Tomography (ATom) Mission and comparison to the NOAA surface reference network, remote sensing observations from OCO-2, and a global inversion system	Poster Session 4	Theme 1.2	20	Concert Hall
Brix, Holger*		Coastal Carbon Budgets: A (Model) View from the Open Ocean	Poster Session 1	Theme 1.1	21	Concert Hall
Monteil, Guillaume*		Development of a regional CO2 inverse modeling system	Poster Session 2	Theme 1.1	22	Concert Hall
Borges, Viviane Francisca*		Amazon Atlantic outflow region carbon cycling constrained by atmospheric greenhouse gas data	Poster Session 3	Theme 1.2	23	Concert Hall
Meijer, Yasjka*		State of play for a European operational monitoring system for fossil CO2 emissions	Poster Session 4	Theme 1.2	24	Concert Hall
Broekema, Elise R.	Meijer, Harro A.J.*	δO2/N2 and CO2 flask observations at measurement stations in the Netherlands, Ireland and Antarctica	Poster Session 1	Theme 1.1	25	Concert Hall
Murayama, Shohei*		Measurements of atmospheric CO2 and its δ13C and δ18O at Minamitorishima Island in the western North Pacific	Poster Session 2	Theme 1.1	26	Concert Hall
Bovensmann, Heinrich*		Can passive remote sensing of atmospheric CO2 contribute to anthropogenic CO2 emission monitoring?	Poster Session 3	Theme 1.2	27	Concert Hall
Mikaloff Fletcher, Sara*		National scale CO2 inverse modelling: a New Zealand case study	Poster Session 4	Theme 1.2	28	Concert Hall
Broekema, Elise R.*		Measuring oxygen to unravel the forest carbon balance	Poster Session 1	Theme 1.1	29	Concert Hall

First Author (* if also presenting author)	Presenting Author (if other than first author)	Title	Poster Session	Theme	Poster board	Location
Nakaoka, Shin-ichiro*		Distribution of fCO ₂ trend due to the anthropogenic CO ₂ uptake and bio-geophysical variability in the Pacific Ocean	Poster Session 2	Theme 1.1	30	Concert Hall
Bowman, Kevin*		Impact of the 2015 El Niño on the Indonesian carbon balance: implications for carbon mitigation	Poster Session 3	Theme 1.2	31	Concert Hall
Miller, John B.*		Unexpected and significant biospheric CO ₂ fluxes in the Los Angeles Megacity indicated by atmospheric radiocarbon	Poster Session 4	Theme 1.2	32	Concert Hall
Buermann, Wolfgang*		Mechanisms of Increased Terrestrial Carbon Uptake since the Turn of the Century	Poster Session 1	Theme 1.1	33	Concert Hall
Naudts, Kim*		Impact of age-dependent harvest in land-surface models	Poster Session 2	Theme 1.1	34	Concert Hall
Bozhinova, Denica*		14C in annual plants and the anthropogenic CO ₂ in the atmosphere	Poster Session 3	Theme 1.2	35	Concert Hall
Morgui, Josep-Anton*		Using the CLIMADAT atmospheric CO ₂ and CH ₄ dataset to evaluate the performance of a transport model over the Iberian Peninsula	Poster Session 4	Theme 1.2	36	Concert Hall
Cescatti, Alessandro*		The atmosphere reveals faster than expected changes in magnitude and seasonality of the land carbon uptake	Poster Session 1	Theme 1.1	37	Concert Hall
Nevison, Cynthia*		Understanding changes in ocean biogeochemistry and carbon export production using atmospheric gas observations and remote sensing data	Poster Session 2	Theme 1.1	38	Concert Hall
Brophy, Kieran*		Characterizing uncertainties in atmospheric inversions of fossil fuel CO ₂ emissions in California	Poster Session 3	Theme 1.2	39	Concert Hall
Mueller, Kim*		The challenge with background in urban GHG estimation: assessing the capability of quantifying background air mass using three different methods in the Washington DC and Baltimore area	Poster Session 4	Theme 1.2	40	Concert Hall
Chen, Jing M.*		CO ₂ fertilization is the major cause for the global carbon sink in 1981-2012	Poster Session 1	Theme 1.1	41	Concert Hall
Nomura, Shohei*		Regional characteristics on greenhouse gaseous concentrations for thirteen years at Guiyang, China, in comparison with the data of Hateruma Island	Poster Session 2	Theme 1.1	42	Concert Hall
Brunner, Dominik*		Measurements and modelling of carbon dioxide in Switzerland: The CarboCount-CH project	Poster Session 3	Theme 1.2	43	Concert Hall
Müller, Michael*		In-situ long-term record of CO ₂ isotopic signatures using high-precision laser spectroscopy	Poster Session 4	Theme 1.2	44	Concert Hall
Chen, Jinghua*		Spatial pattern analysis on soil carbon sequestration potential of crop-residue return in China based on model simulation	Poster Session 1	Theme 1.1	45	Concert Hall
Notholt, Justus*		The Total Carbon Column Observing Network (TCCON)	Poster Session 2	Theme 1.1	46	Concert Hall
Buchanan, David*		Southern Ocean Uptake of Atmospheric CO ₂ : Where should we measure it?	Poster Session 3	Theme 1.2	47	Concert Hall
Murata, Akihiko	Nakano, Yoshiyuki*	Deployment of drifting buoys with pCO ₂ sensor in the Pacific Ocean	Poster Session 4	Theme 1.2	48	Concert Hall
Chen, Zhaohui*		Inverse estimates of North Atlantic CO ₂ uptake using shipboard measurements and surface sites	Poster Session 1	Theme 1.1	49	Concert Hall
Olsen, Are*		Global Trends in Ocean Dissolved Inorganic Carbon	Poster Session 2	Theme 1.1	50	Concert Hall
Bukosa, Beata*		GEOS-Chem simulations of simultaneous greenhouse gas measurements (CO ₂ , CH ₄ and CO) from fixed and moving platforms in and around Australia	Poster Session 3	Theme 1.2	51	Concert Hall
Nakajima, Masakatsu*		Current Status of the GOSAT-2 Mission Instruments	Poster Session 4	Theme 1.2	52	Concert Hall
Cong, Richao*		The comparison analysis for various global Greenhouse emissions inventories datasets	Poster Session 1	Theme 1.1	53	Concert Hall
Omar, Abdirahman M.	Johannessen, Truls*	Ocean Thematic Centre (OTC) one of the central facilities of the ICOS RI	Poster Session 2	Theme 1.1	54	Concert Hall
Burba, George	Miller, William*	Comparison of CO ₂ Concentrations, Co-spectra and Flux Measurements between Latest Standardized Automated CO ₂ /H ₂ O Flux Systems and Older Gas Analyzers	Poster Session 3	Theme 1.2	55	Concert Hall
Nakamura, Takashi*		Improvement of the Upper-Tropospheric CO ₂ Distributions from a New JMA Inversion Analysis	Poster Session 4	Theme 1.2	56	Concert Hall
Conil, Sébastien*		5 years of ICOS compliant in situ GHG measurements at OPE: major results on CO ₂ , CH ₄ , N ₂ O, CO seasonal and diurnal cycles	Poster Session 1	Theme 1.1	57	Concert Hall
Park, Geun-Ha*		Recent increase in summer surface fCO ₂ in the western subtropical North Pacific	Poster Session 2	Theme 1.1	58	Concert Hall
Burba, George*		New Tools to Collect and Share Time-Synchronized Hourly CO ₂ Flux Data: Coupling Flux Towers and Networks with Proximal and Remote Sensing Data	Poster Session 3	Theme 1.2	59	Concert Hall
Nechita-Banda, Narcisa*		The effect of drought on the carbon cycle using a joint CO-CO ₂ inversion system	Poster Session 4	Theme 1.2	60	Concert Hall
El Yazidi, Abdelhadi*		Evaluation of a high resolution atmospheric modelling system against observed data from a dense network of continuous CO ₂ and CH ₄ measurement stations across France	Poster Session 1	Theme 1.1	61	Concert Hall
Patara, Lavinia	Böning, Claus W.*	Decadal fluctuations of the ocean ventilation affect the Southern Ocean carbon sink	Poster Session 2	Theme 1.1	62	Concert Hall
Campbell, Joel F.*		Column CO ₂ Measurements using Advanced Intensity-Modulation Continuous-Wave Lidar for NASA ACT-America and ASCENDS Missions	Poster Session 3	Theme 1.2	63	Concert Hall
Neigh, Christopher S.R.*		Progress toward satellite estimates of temperate/boreal forest site-index for DGVMs	Poster Session 4	Theme 1.2	64	Concert Hall
Fay, Amanda R.*		Large-scale variability and changes in Southern Ocean carbon: The Drake Passage bellwether	Poster Session 1	Theme 1.1	65	Concert Hall
Peng, Shushi*		Detection and Attribution of the Recent Abrupt Increase in the Net Land Carbon Sink	Poster Session 2	Theme 1.1	66	Concert Hall
Canning, Anna Rose*		Field deployment of a CO ₂ , CH ₄ and O ₂ sensor package for underway measurement across the full river-ocean mixing regime	Poster Session 3	Theme 1.2	67	Concert Hall
Niwa, Yosuke*		Spatiotemporal variation of CO ₂ flux in Southeast Asia estimated from CONTRAIL	Poster Session 4	Theme 1.2	68	Concert Hall
Fernández-Duque, Beatriz*		CO ₂ temporal variations in a rural area of northern Spain described by harmonic and kernel functions	Poster Session 1	Theme 1.1	69	Concert Hall
Raimondi, Lorenza*		Variability of Anthropogenic Carbon in the Labrador Sea from 1992 to 2016	Poster Session 2	Theme 1.1	70	Concert Hall
Castro-Morales, Karel*		Three decades of carbon cycle reanalysis with the MPI-CCDAS	Poster Session 3	Theme 1.2	71	Concert Hall
Oda, Tomohiro*		Mapping Fossil-Fuel Carbon Dioxide Emissions using Observations from Space	Poster Session 4	Theme 1.2	72	Concert Hall

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Friedrich, Ronny*		How much 'bio' is in fuel?	Poster Session 1	Theme 1.1	73	Concert Hall
Saeki, Tazu*		Joint analysis of CO ₂ and CH ₄ inversion fluxes: Significantly lower increase in anthropogenic emissions and land sink over East Asia during 2002-2012	Poster Session 2	Theme 1.1	74	Concert Hall
Chen, Huilin*		AirCore observations of CO ₂ /CH ₄ /CO profiles and 14CO ₂ in the stratosphere	Poster Session 3	Theme 1.2	75	Concert Hall
Oh, Young-Suk*		Aircraft observations of XCO ₂ and XCH ₄ for evaluation of g-b FTS, GOSAT, and OCO-2 through comparison over TCCON site.	Poster Session 4	Theme 1.2	76	Concert Hall
Fröb, Friederike*		Impact of North Atlantic freshening on sea surface fCO ₂	Poster Session 1	Theme 1.1	77	Concert Hall
Sanleon-Bartolome, Hendar	Álvarez, Marta*	The CARIMED (CARbon IN the MEDiterranean Sea) data synthesis initiative: overview and quality control procedures	Poster Session 2	Theme 1.1	78	Concert Hall
Chen, Zhuoqi*		A global carbon assimilation system using an ensemble Kalman filter	Poster Session 3	Theme 1.2	79	Concert Hall
Ott, Lesley*		Closing the budget on uncertainty in atmospheric CO ₂ simulations using NASA's GEOS modeling system	Poster Session 4	Theme 1.2	80	Concert Hall
Fujita, Ryo*		Variations of atmospheric methane and its carbon and hydrogen isotopic ratios in the upper troposphere/lowermost stratosphere over the Eurasian Continent observed by commercial aircraft	Poster Session 1	Theme 1.1	81	Concert Hall
Sasakawa, Motoki*		Continuous measurement of CO ₂ and CH ₄ concentration from a tower network (JR-STATION) over Siberia	Poster Session 2	Theme 1.1	82	Concert Hall
Clement, Dominic*		A C*-based Extended Multiple Linear Regression Method to Determine Decadal Changes in Anthropogenic CO ₂ in the Ocean	Poster Session 3	Theme 1.2	83	Concert Hall
Patra, Prabir*		Anomalies in terrestrial carbon fluxes as derived from the Orbiting Carbon Observatory (OCO-2) in near-real time	Poster Session 4	Theme 1.2	84	Concert Hall
Gemayel, Elissar*		Estimation of the carbonate system parameters in the Mediterranean Sea	Poster Session 1	Theme 1.1	85	Concert Hall
Sasano, Daisuke*		Decline and bi-decadal oscillation of dissolved oxygen in the Oyashio region and their propagation to the western North Pacific	Poster Session 2	Theme 1.1	86	Concert Hall
Crowell, Sean*		Simulation Experiments in Support of GeoCarb	Poster Session 3	Theme 1.2	87	Concert Hall
Peters, Wouter*		One year of airborne measurements of δ ¹³ C in CO ₂ over the Amazon	Poster Session 4	Theme 1.2	88	Concert Hall
Giemsa, Esther Maria*		Application of trajectory clustering and source attribution methods for investigating regional CO ₂ concentrations at Germany's highest mountain site	Poster Session 1	Theme 1.1	89	Concert Hall
Sawa, Yousuke*		Sensitivity analysis of CO ₂ growth rates estimation with sub-sampling method for occasional observation opportunities by commercial airliner	Poster Session 2	Theme 1.1	90	Concert Hall
Davis, Kenneth J.*		A sustained airborne campaign to improve inverse flux estimates of greenhouse gas sources and sinks: Results from the Atmospheric Carbon and Transport (ACT) – America mission	Poster Session 3	Theme 1.2	91	Concert Hall
Peylin, Philippe*		Multiple data stream assimilation in a Land Surface Model to improve regional to global simulated carbon budgets: synthesis and prospective with the ORCHIDEE model	Poster Session 4	Theme 1.2	92	Concert Hall
Goto, Daisuke*		Temporal variations of atmospheric O ₂ and CO ₂ at a coastal site in the northeastern part of the main island of Japan	Poster Session 1	Theme 1.1	93	Concert Hall
Scheel Monteiro, Pedro*		How do storms influence seasonal, interannual to decadal trends of air-sea CO ₂ fluxes in the Southern Ocean? – What have we learned from 5 years of SOSCEX observations and modelling?	Poster Session 2	Theme 1.1	94	Concert Hall
Deng, Feng*		Inferring Oceanic CO ₂ fluxes using space-based and in situ surface observations of atmospheric CO ₂	Poster Session 3	Theme 1.2	95	Concert Hall
Phillips, Morgan C.*		Effects of Implementing Multiple Scales in a Global Climate Model on the Partitioning of Water in the Vegetation Canopy and Simulated Photosynthesis	Poster Session 4	Theme 1.2	96	Concert Hall
Gregor, Luke*		Seasonal - Interannual - Decadal variability of the CO ₂ sink in the Southern Ocean: wind stress is still the dominant driver	Poster Session 1	Theme 1.1	97	Concert Hall
Schlunegger, Sarah*		Emergence of Anthropogenic Signals in the Ocean: Putting Carbon in Context	Poster Session 2	Theme 1.1	98	Concert Hall
Deniel, Carole	Bousquet, Philippe*	Greenhouse gases from space: a French perspective	Poster Session 3	Theme 1.2	99	Concert Hall
Pisso, Ignacio*		The URban Greenhouse gas Emissions assessment through inverse modeling (URGE) project: a pilot study in the Oslo area	Poster Session 4	Theme 1.2	100	Concert Hall
Hassoun, Abed El Rahman*		Acidification and carbonate system trends in the Eastern Mediterranean Sea	Poster Session 1	Theme 1.1	101	Concert Hall
Schuster, Ute*		Northern hemisphere CO ₂ sources and sinks – variability and trends	Poster Session 2	Theme 1.1	102	Concert Hall
Dickerson, Russell R.*		Measurements of CO ₂ and CH ₄ in the Baltimore/Washington Area: A Guide to Local GHG Control	Poster Session 3	Theme 1.2	103	Concert Hall
Plattner, Gian-Kasper*		Advancing Environmental Science Through Data Sharing	Poster Session 4	Theme 1.2	104	Concert Hall
Haumann, F. Alexander*		Strengthening of Southern Ocean carbon uptake through increasing stratification	Poster Session 1	Theme 1.1	105	Concert Hall
Shim, Changsub*		Identifying local anthropogenic CO ₂ emissions with satellite retrievals: a case study in South Korea	Poster Session 2	Theme 1.1	106	Concert Hall
Dobler, Jeremy T.*		Continuous monitoring and mapping of CO ₂ and CH ₄ concentrations on scales from 0.4 – 25 km ² with GreenLITE™	Poster Session 3	Theme 1.2	107	Concert Hall
Polavarapu, Saroja*		Complementarity of the information provided by in situ and column measurements of carbon dioxide in flux inversion analyses	Poster Session 4	Theme 1.2	108	Concert Hall
Haverd, Vanessa*		Concurrent large-scale drought recovery dominates low-latitude contributions to decadal trends of the land carbon sink	Poster Session 1	Theme 1.1	109	Concert Hall
Steinhoff, Tobias*		A 12-year CO ₂ flux record in the subpolar North Atlantic Ocean	Poster Session 2	Theme 1.1	110	Concert Hall
Domingues, Lucas G.*		Amazon Basin biomass burning emission and its correlation with climatology and deforestation	Poster Session 3	Theme 1.2	111	Concert Hall
Poulter, Ben*		Enabling teleconnection-based seasonal forecasts of global terrestrial carbon cycle dynamics	Poster Session 4	Theme 1.2	112	Concert Hall
Ichii, Kazuhito*		A new data-driven estimation of terrestrial CO ₂ fluxes in Asia using a standardized database of eddy covariance measurements, remote sensing data, and support vector regression	Poster Session 1	Theme 1.1	113	Concert Hall

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Steinkamp, Kay*		Impact of the diurnal cycle on a national scale CO2 inverse model in New Zealand	Poster Session 2	Theme 1.1	114	Concert Hall
Eggleston, Simon*		The Global Climate Observing System (GCOS) and the carbon cycle	Poster Session 3	Theme 1.2	115	Concert Hall
Prasad, Kuldeep*		Coupling of Large Eddy Simulations with Mesoscale Meteorological Models to simulate the Aliso Canyon Natural Gas Leak Incident	Poster Session 4	Theme 1.2	116	Concert Hall
Iida, Yosuke*		A synthetic reconstruction of global surface ocean CO2 system parameters and sea-air CO2 flux	Poster Session 1	Theme 1.1	117	Concert Hall
Sugawara, Satoshi*		Twenty-three year record of the mid-stratospheric 13CO2 over Japan	Poster Session 2	Theme 1.1	118	Concert Hall
Eldering, Anmarie*		The OCO-3 Mission : Updated Overview of Science Objectives and Status	Poster Session 3	Theme 1.2	119	Concert Hall
Ilomo, Ophery*		Sediment carbonate profile as a proxy of global CO2 increase and geochemical variations in Zanzibar channel, Tanzania, western Indian Ocean.	Poster Session 1	Theme 1.1	121	Concert Hall
Suntharalingam, Parvatha*		Estimates of North Atlantic CO2 Flux Variability from Atmospheric Observations	Poster Session 2	Theme 1.1	122	Concert Hall
Gerbig, Christoph*		Potential of the upcoming IAGOS GHG data stream from passenger aircraft measurements	Poster Session 3	Theme 1.2	123	Concert Hall
Ramonet, Michel*		Multi-instrument campaign to improve the characterization of the vertical distribution of greenhouse gases at Traînou site in central France	Poster Session 4	Theme 1.2	124	Concert Hall
Ishidoya, Shigeyuki*		Seasonal and interannual variations in the atmospheric Ar/N2 ratio observed by air monitoring networks of Japanese research institutes	Poster Session 1	Theme 1.1	125	Concert Hall
Tanhua, Toste	Hoppema, Mario*	Changes during a 40 years period in storage of anthropogenic carbon and ventilation in the Atlantic sector of the Southern Ocean	Poster Session 2	Theme 1.1	126	Concert Hall
Geyer, Nicholas*		Long-lived and Robust Carbon Dioxide Flux Bias Estimation via SIF and NEE	Poster Session 3	Theme 1.2	127	Concert Hall
Saito, Makoto*		GOSAT observations in global carbon cycle	Poster Session 4	Theme 1.2	128	Concert Hall
Ju, Weimin*		Effects of precipitation anomalies on global terrestrial carbon fluxes from 1981 to 2012	Poster Session 1	Theme 1.1	129	Concert Hall
Tohijima, Yasunori*		Atmospheric O2/N2 and CO2 observation in the Pacific region and its application to the global carbon budget estimation	Poster Session 2	Theme 1.1	130	Concert Hall
Gibert, Fabien*		Mapping the CO2 field in the atmosphere using lidar : current status and potential for carbon cycle studies.	Poster Session 3	Theme 1.2	131	Concert Hall
Saitoh, Naoko*		CO2 vertical profiles in the troposphere observed by GOSAT/TANSO-FTS thermal infrared (TIR)	Poster Session 4	Theme 1.2	132	Concert Hall
Kaplan, Jed O.*		Intensification of land use and its impact on the preindustrial global carbon cycle	Poster Session 1	Theme 1.1	133	Concert Hall
Toyama, Katsuya*		Re-emergence of anthropogenic carbon through the ocean's shallow overturning circulation	Poster Session 2	Theme 1.1	134	Concert Hall
Grassi, Giacomo*		Forests key to mitigation in Paris, but science needed to underpin efforts	Poster Session 3	Theme 1.2	135	Concert Hall
Santoro, Maurizio*		A global dataset of forest biomass for the year 2010 obtained from multiple remote sensing observations: evidences, strengths and limitations	Poster Session 4	Theme 1.2	136	Concert Hall
Karstens, Ute*		ICOS Carbon Portal: Elaborated products and services to support European carbon budget estimates	Poster Session 1	Theme 1.1	137	Concert Hall
Trudinger, Cathy*		Interannual variability in Australia's terrestrial carbon cycle	Poster Session 2	Theme 1.1	138	Concert Hall
Griffith, David*		Radon tracer flux measurements of CO2, N2O and CH4 in an agricultural environment	Poster Session 3	Theme 1.2	139	Concert Hall
Satar, Ece*		Four years of continuous CO2/CH4/CO measurements (2012-2016) at the Beromünster tall tower station in Switzerland	Poster Session 4	Theme 1.2	140	Concert Hall
Kauppi, Pekka Eero*		Forest transition and the time scale of global terrestrial C sink	Poster Session 1	Theme 1.1	141	Concert Hall
van der Laan-Luijkx, Ingrid Theodora*		Global carbon budget from three atmospheric inversions	Poster Session 2	Theme 1.1	142	Concert Hall
Hoshina, Yu*		Separating short-term CO2 variation into biotic and fossil fuel components based on the atmospheric O2 and CO2 continuous measurements	Poster Session 3	Theme 1.2	143	Concert Hall
Scholze, Marko*		Constraining terrestrial carbon fluxes by simultaneously assimilating observations of surface soil moisture and atmospheric CO2 concentration into a model of the global terrestrial biosphere	Poster Session 4	Theme 1.2	144	Concert Hall
Keller, Elizabeth Diane*		An urban carbon budget for Auckland, New Zealand	Poster Session 1	Theme 1.1	145	Concert Hall
Vermeulen, Alex*		Data Services for Carbon Cycle Science at the ICOS Carbon Portal	Poster Session 2	Theme 1.1	146	Concert Hall
Houweling, Sander*		The ESA GHG-CCI multi-model analysis of the combined SCIAMACHY and GOSAT satellite XCO2 record	Poster Session 3	Theme 1.2	147	Concert Hall
Sha, Mahesh Kumar	Deutscher, Nicholas*	Measurement of greenhouse gases from novel ground-based remote sensing instrumentations during the FRM4GHG campaign at the Sodankylä TCCON site	Poster Session 4	Theme 1.2	148	Concert Hall
Keller, Kathrin	Raible, Christoph C.*	Detecting changes in ENSO characteristics 850-2100 CE: Insights from the ocean carbon cycle	Poster Session 1	Theme 1.1	149	Concert Hall
Wang, Jiaoyue*		The spatiotemporal features of Greenhouse Gas Emissions from Biomass Burning in China from 2000-2012	Poster Session 2	Theme 1.1	150	Concert Hall
Huang, Yuanyuan*		Matrix approach to land carbon modeling: a case study with CLM4.5	Poster Session 3	Theme 1.2	151	Concert Hall
Shvidenko, Anatoly*		Carbon budget of Russian forests in 21st century	Poster Session 4	Theme 1.2	152	Concert Hall
Kenea, Samuel Takele*		Comparison and temporal variability of column-averaged dry-air mole fraction of CO2 over selected TCCON sites based on g-b FTS and Satellite observations	Poster Session 1	Theme 1.1	153	Concert Hall
Wang, Jun*		Interannual variability of the atmospheric CO2 growth rate: roles of precipitation and temperature	Poster Session 2	Theme 1.1	154	Concert Hall
Janardanan, Rajesh*		On monitoring CO2 emissions from anthropogenic sources by GOSAT observations of localized CO2 enhancements	Poster Session 3	Theme 1.2	155	Concert Hall
Singh, Upendra Nath*		A novel 2-micron IPDA lidar for ground, air and space-borne measurement of carbon dioxide	Poster Session 4	Theme 1.2	156	Concert Hall

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Kim, Jiwon*		Satellite-based analyses of the Arctic sea ice by using Artificial Intelligence	Poster Session 1	Theme 1.1	157	Concert Hall
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