

## 誌上発表及び口頭発表

### 2.1 誌上発表（査読あり）

Alexandrov GA, Matsunaga T: Normative productivity of the global vegetation. Carbon Balance and Management 2008, 3: 8. [<http://dx.doi.org/10.1186/1750-0680-3-8>]

Willi. A. Brand\*, , Alina Chivulescu †, Lin Huang †, Hitoshi Mukai ‡, Juergen M. Richter\*, and Michael Rothe\*, How well do we know VPDB? Variability of  $^{13}\text{C}$  and  $^{18}\text{O}$  in CO<sub>2</sub> generated from NBS19-Calcite, submitted to Rapid Communications in Mass Spectrometry.

Groisman, Clark, Kattsov, Lettenmaier, Sokolik, Aizen, Cartus, Chen, Conard, Katzenberger, Krankina, Kukkonen, Machida, Maksyutov, Qi, Ojima, Romanovsky, Santoro, Schmullius, Shiklomanov, Shimoyama, Shugart, Shuman, Sofiev, Vörösmarty, Walker, Wood: The Northern Eurasia Earth Science Partnership: An Example of Science Applied to Societal Needs, submitted to Bull. Amer. Meteorol. Soc. (2008)

VAN GIJSEL, J.A.E., D.P.J. SWART, J.-L. BARAY, H. CLAUDE, T. FEHR, P. VON DER GATHEN, S. GODIN-BEEKMANN, GH. HANSEN , T. LEBLANC, I.S. MCDERMID, Y.M. MEIJER, H. NAKANE, E.J. QUEL, W. STEINBRECHT, K.B. STRAWBRIDGE, B. TATAROV and E.A. WOLFRAM, "Global validation of ENVISAT ozone profiles using lidar measurements", Int. J. Remote Sensing, in press. (2008).

Hanaoka, T. Kainuma, M., Matsuoka, Y.: The Role of Energy Intensity Improvement in the AR4 GHG Stabilization Scenarios. Energy Efficiency, (Submitted on 25 July 2008, Accepted on 16 January 2009)

Hanaoka, T. Kainuma, M., Matsuoka, Y.: The Role of Energy Intensity Improvement in the AR4 GHG Stabilization Scenarios. Energy Efficiency, (Submitted on 25 July 2008, Accepted on 16 January 2009)

Hirata, R., Saigusa, N., Yamamoto, S., Ohtani, Y., Ide, R., Asanuma, J., Gamo, M., Hirano, T., Kondo, H., Kosugi, Y., Li, S-G., Nakai, Y., Takagi, K., Tani, M., Wang, H. (2008) Spatial distribution of carbon balance in forest ecosystems across East Asia. Agricultural and Forest Meteorology 148:761-775

Kagawa, S., Kudoh, Y., Nansai, K. and Tasaki, T. (2008), The Economic and Environmental Consequences of Automobile Lifetime Extension and Fuel Economy Improvement: Japan's Case, Economic Systems Research, 20, in press.

Milz, M., T. v. Clarmann, P. Bernath, C. Boone, S. A. Buehler, S. Chauhan, B. Deuber, D. G. Feist, B. Funke, N. Glatthor, U. Grabowski, A. Griesfeller, A. Haefele, M. H. opfner, N. K. ampfer, S. Kellmann, A. Linden, S. Muller, H. Nakajima, H. Oelhaf, E. Remsberg, S. Rohs, J. M. Russell III, C. Schiller, G. P. Stiller, T. Sugita, T. Tanaka, H. V. omel, K. Walker, G. Wetzel, T. Yokota, V. Yushkov, and G. Zhang, Validation of water vapour profiles (version 13) retrieved by the IMK/IAA scientific retrieval processor based on full resolution spectra measured by MIPAS on board Envisat, Atmos. Meas. Tech. Discuss., 2, 489–559, 2009.

Miyagawa, K., T. Sasaki, H. Nakane, I. Petropavlovskikh, and R.t Evans, "Reevaluation of long-term Umkehr Data and Ozone profiles at Japanese stations", J. Geophys., Lett., submitted (2008).

J. Moriizumi, T. Ohkura, S. Hirano, Y. Nono, H. Yamazawa, Y.-S. Kim, Q. Guo, H. Mukai, Y. Tohjima, and T. Iida (2008), Continuous observation of atmospheric  $^{222}\text{Rn}$  concentrations for analytic basis of atmospheric transport in East Asia, J. Nucl. Sci. Technol., Supplement 5, 173-179.

Keisuke Nansai, Rokuta Inaba, Shigemi Kagawa and Yuichi Moriguchi (2008), Identifying common features among household consumption patterns optimized to minimize specific environmental burdens, J. Clean. Prod., 16(4), 538-548.

Prabir K. Patra, Masayuki Takigawa, Kentaro Ishijima, Byoung-Choel Choi, Derek Cunnold, Edward J. Dlugokencky, Paul Fraser, Angel J. Gomez-Pelaez, Tae-Young Goo, Jeong-Sik Kim, Paul Krummel, Ray Langenfelds, Frank Meinhardt, Hitoshi Mukai, Simon O'Doherty, Ronald G. Prinn, Peter Simmonds, Paul Steele, Yasunori Tohjima,

- Kazuhiro Tsuboi, Karin Uhse, Ray Weiss, Doug Worthy, Takakiyo Nakazawa, Growth rate, seasonal, synoptic and diurnal variations in lower atmospheric methane, *Journal of Meteorol. Society of Japan*, in press, 2009.
- Saigusa, N., Yamamoto, S., Hirata, R., Ohtani, Y., Ide, R., Asanuma, J., Gamo, M., Hirano, T., Kondo, H., Kosugi, Y., Li, S-G., Nakai, Y., Takagi, K., Tani, M., Wang, H. (2008) Temporal and spatial variations in the seasonal patterns of CO<sub>2</sub> flux in boreal, temperate, and tropical forests in East Asia. *Agricultural and Forest Meteorology* 148:7-713
- Takahashi, Y., Liang, N., Hirata, R., Machida, T., Fujinuma, Y. (2008) Variability in carbon stable isotope ratio of heterotrophic respiration in a deciduous needle-leaf forest. *Journal of Geophysical Research- Biogeosciences* (113) G0122, doi:10.1029
- H. Tanimoto, Y. Sawa, S. Yonemura, K. Yumimoto, H. Matsueda, I. Uno, T. Hayasaka, H. Mukai, Y. Tohjima, K. Tsuboi, and L. Zhang, Diagnosing recent CO emissions and ozone evolution in East Asia using coordinated surface observations, adjoint inverse modeling, and MOPITT satellite data, *Atmos. Chem. Phys.*, 8, 3867-3880, 2008.
- Hiroshi Tanimoto, Increase in springtime tropospheric ozone at a mountainous site in Japan for the period 1998–2006, *Atmos. Environ.*, 43, 1358-1363, doi:10.1016/j.atmosenv.2008.12.006, 2009.
- Hiroshi Tanimoto, Keiichi Sato, Tim Butler, Mark G Lawrence, Jenny A. Fisher, Monika Kopacz, Robert M. Yantosca, Yugo Kanaya, Shungo Kato, Tomoaki Okuda, Shigeru Tanaka, Jiye Zeng, Exploring CO pollution episodes observed at Rishiri Island by chemical weather simulations and AIRS satellite measurements: Long-range transport of burning plumes and implications for emissions inventories, *Tellus B*, 61, 394-407, doi: 10.1111/j.1600-0889.2008.00407.x, 2009.
- Hiroshi Tanimoto, Kiyoshi Matsumoto, and Mitsuo Uematsu, Ozone–CO correlations in Siberian wildfire plumes observed at Rishiri Island, *SOLA*, 4, 65-68, doi:10.2151/sola.2008-017, 2008.
- Tatarov, B., H. Nakane, C. B. Park, N. Sugimoto and I. Matsui, "Lidar Observation of Long-Term Trends and Variations of Stratospheric Ozone and Temperature over Tsukuba, Japan", *Int. J. Remote Sensing*, submitted (2008).
- Y. Tohjima, H. Mukai, Y. Nojiri, H. Yamagishi, and T. Machida (2008), Atmospheric O<sub>2</sub>/N<sub>2</sub> measurements at two Japanese sites: estimation of global oceanic and land biotic carbon sinks and analysis of the variations in atmospheric potential oxygen (APO), *Tellus*, 60B, 213-225, doi:10.1111/j.1600-0889.2007.00334.x.
- H. Yamagishi, Y. Tohjima, H. Mukai, and K. Sasaoka (2008), Detection of regional scale sea-to-air oxygen emission related to spring bloom near Japan by using in-situ measurements of the atmospheric oxygen/nitrogen ratio, *Atmos. Chem. Phys.*, 8, 3325-3335.
- Prabir K. Patra, Masayuki Takigawa, Kentaro Ishijima, Byoung-Chael Choi, Derek Cunnold, Edward J. Dlugokencky, Paul Fraser, Angel J. Gomez-Pelaez, Tae-Young Goo, Jeong-Sik Kim, Paul Krummel, Ray Langenfelds, Frank Meinhardt, Hitoshi Mukai, Simon O'Doherty
- 福士亮太、小熊宏之、米康充、鈴木恵一、岡野哲郎、藤沼康実(2008)高解像度デジタル航空写真とLiDARデータによるDTMを組み合わせたカラマツ林の現況推定, *日本森林学会誌*、90(5), 297-305
- 木下嗣基、山形与志樹、岩男弘毅：炭素クレジットが土地利用に与える影響の予測、*環境科学会誌*、21,1,37-52(2008)
- 大倉毅史、山澤弘実、森泉純、平尾茂一、郭秋菊、遠嶋康徳、飯田孝夫(2009)、東アジア域における大気中 222Rn 濃度連続測定ネットワークと洋上の孤島における大気中 222Rn 濃度の後方流跡線解析、*大気環境学会誌 第44巻 第1号*、42-51。

## 2.2 誌上発表（査読なし）

- Dhakal S., Raut A. (2008) Towards a Low-Carbon Society and its Relevance to Mountainous Regions. *Asia Pacific Mountain Network (APMN) Bulletin*, 9(1), 1-4
- Dhakal S. (2008) Creating an Urban Movement for Sustainable Living. *Global Asia*, 3(3), 16-20

- Raut A., Dhakal S. (2008) Cities Must Now Lead the Climate Change Agenda: COP13 Side Event on Carbon Management in Cities. CGER Newsletter, 19(1), 15
- Dhakal S. (2008) Urban energy use and carbon emissions in China, CGER Newsletter, 19(9), 17
- Y. Nojiri, D. Lowe and E. Dlugokencky, Report on the joint NIES, NIWA, NOAA-ESRL sampling project aboard ships of the Toyofuji shipping company between Nelson, New Zealand and Osaka, Japan, A Brief Summary, IGAC Newsletter, 37, 37-38 (2007).
- Raut A., Dhakal S., Makido Y. (2008) International Symposium on Urban Energy and Carbon Management: Challenges for Science and Policy, and International Workshop on Urban Energy and Carbon Modeling Urban Energy and Climate Modeling Forum formed, CGER Newsletter, 19(2), 2-4
- 景元書・一ノ瀬俊明 (2008) : 北京の大気汚染～さまざまな非効率の元凶～, 地理, 53-6, 36-39  
遠嶋康徳、海洋と陸上生態系の炭素吸収力、農林経済、第9947号、2008年5月

### 2.3 書籍

- Dhakal S. (2008) Climate Change and Cities: The Making of a Climate Friendly Future. In Droege P. ed., Urban Energy Transition, Elsevier Publ., 173-182
- Ichinose, T. (2009): Urban heat islands, The State of the Environment in Asia 2009/2010, Japan Environmental Council (Eds.), Springer (to be published)
- Office for Coordination of Climate Change Observation, Toward the development of a comprehensive and integrated climate change observation system: Observation for the monitoring of greenhouse gases and the carbon cycle and for the assessment of the impacts of climate change; Summary, Office for Coordination of Climate Change Observation, 13p. 2008.
- 地球観測推進委員会（温暖化分野） 地球温暖化観測推進事務局 / 環境省・気象庁、地球温暖化観測推進ワーキンググループ：地球温暖化観測における連携の促進を目指して - 温室効果ガス・炭素循環および温暖化影響評価に係る観測 - (地球温暖化観測推進ワーキンググループ報告書 第1号) 概要版, 地球温暖化観測推進事務局 / 環境省・気象庁, 18115p, 2008。

### 地球環境研究センター報告 (CGER リポート)

- I080-2008 CGER'S SUPERCOMPUTER MONOGRAPH REPORT Vol.13 Simulations of the Stratospheric Circulation and Ozone during the Recent Past (1980-2004) with the MRI Chemistry-Climate Model
- I081-2008 Global Greenhouse Gas Emissions Reduction Potentials and Mitigation Costs in 2020- Methodology and Results –
- I082-2008 我が国における再生可能 / 分散型エネルギー導入戦略への提言
- I083-2008 CGER'S SUPERCOMPUTER MONOGRAPH REPORT Vol.14 Development of Process-based NICE Model and Simulation of Ecosystem Dynamics in the Catchment of East Asia (Part II)
- I084-2008 National Greenhouse Gas Inventory Report of JAPAN -May, 2008-
- I085-2008 日本国温室効果ガスインベントリ報告書 -2008年5月-
- I086-2008 国立環境研究所スーパーコンピュータ利用研究年報 平成19年度 NIES Supercomputer Annual Report 2007

### 2.4 口頭発表

- Alexandrov GA. and Matsunaga, T., Evaluating consistency of biosphere models: software tools for a web-based service. In: Miquel Sanchez-Marre, Javier Bejar, Joaquim Comas, Andrea E. Rizzoli, Giorgio Guariso (Eds.), Proceedings of the iEMSs Fourth Biennial Meeting : International Congress on Environmental Modelling and

- Software (iEMSSs 2008).
- Dhakal S. (2008) Opportunities and obstacles for co-benefits in transportation policies in developing Asia. The US – Japan Workshop on the Co-Benefits of Climate Actions.
- Dhakal S. (2008) Urban energy use and urban sustainability from the climate change perspectives. KRIHS and RIHN Joint International Symposium on Urban Sustainability in Asia: Urban Planning, Environment and Transportation.
- Dhakal S. (2008) China urban and city energy/carbon. 7th Scientific Steering Committee meeting of the Global Carbon Project.
- Dhakal S. (2008) Urban transformation and carbon footprint of mega-cities in Japan and China. ConAccount 2008 - Urban metabolism: measuring the ecological city.
- Dhakal S. (2008) Understanding global carbon budget - An imperative for Mitigating Climate Change and Human Sustainability. 39th Annual Meeting of Union of Chemistry-Related Societies in Chubu Area.
- Dhakal S. (2008) Assessing barriers to climate co-benefits in transportation in developing Asia- framework. IGES Better Air Quality Meeting Pre-Event Climate-Friendly Transportation Strategies in Asia: Overcoming Obstacles to Co-benefits.
- Dhakal S. (2008) Urban energy use and carbon emissions in China and its cities. Better Air Quality 2008.
- Dhakal S. (2008) Role of cities in global carbon emissions and their management. Brown Bag Lunch Seminar van Gijsel J.A.E(\*1),Swart D.P.J(\*1),Baray J.-L.(\*)2,Claude H.(\*)3,Fehr T.(\*)4,von der Gathen P.(\*)5,Godin-Beekmann S.(\*)6,Hansen G.(\*)7,Leblanc T.(\*)8,Nakane H. et al., Pole-to-pole validation of ENVISAT ozone profiles using data from lidar measurements, Quadrenn.Ozone Symp.2008(Tromso,2008/07).
- 花岡達也・長山友祐・日比野剛・甲斐沼美紀子・松岡譲；中国・インドおよびアジア諸国における大気汚染物質・温室効果ガス排出インベントリー，第 25 回エネルギー・システム・経済・環境コンファレンス講演論文集, pp.491-494, エネルギー・資源学会, 東京, (2009 年 1 月)
- Ichinose, T. (2008): Urban energy use, carbon management and urban heat island: Linking mitigation and adaptation to climate change, International Workshop on Urban Energy and Carbon Modeling 招待講演, Bangkok, 平成 20 年 2 月；
- 一ノ瀬俊明 (2008) : 都市と農村の調和した循環システム：未来都市の概念，中部化学関係学協会支部連合大会招聘講演，名古屋，平成 20 年 11 月；( 同講演予稿集 , 39 , 2-2 )
- 一之瀬俊明 (2008) : 城郷和諧循環系統：一個未来城市概念，「2008 中日景觀設計交流年」重慶論壇招待講演，重慶，平成 20 年 5 月；( 中国語 ) .
- Ichii, K., Suzuki, T., Kato, T., Ito, A., Sasai, T., Hajima, T., Hashimoto, H., Ueyama, M., Hirata, R., Saigusa, N., Ohtani, Y., Takagi, K., Nemani, R. R. ( 2008 ) Multi-model analysis of terrestrial water and carbon cycles in Japan: Japan-MIP American Geophysical Union 2008 fall meeting
- Lankao P.L, Dhakal S., Raupach M, Canadell P (2008) Urbanization pathways in a carbon-climate constrained world.
- Makido Y., Dhakal S., Yamagata Y. (2008) Revealing intra-urban features using optical and sar Images. IEEE International Geoscience & Remote Sensing Symposium. (Poster)
- S.Maksyutov, T. Machida, T.Saeki, P. Patra, O. Tarasova, S. Houweling: Seasonal cycle of the tropospheric methane observed and modeled over Siberia. AGU Fall Meeting, San Francisco, US, (2008)
- Miyazaki S., 2008: Outline of Japanese Alliance for Climate Change Observation (JACCO), Asia-Pacific Workshop on Carbon Cycle Observations, Tsukuba, Japan, 2008/03.
- Miyazaki S., Fujita N., Shinmyo Y., Fujitani T., Nojiri Y., 2008: Activities and future plans of Japanese Alliance for Climate Change Observation, 2nd Int. Symposium of 21st Century COE Program "Satellite Ecology", Proc., p133, Gifu, Japan, 2008/07.
- Miyagawa K.,Sasaki T.,Nakane H.,Petropavlovskikh I.,Evans R., Re-evaluation of long-term Umkehr Data and

- Ozone profiles, Quadrenn.Ozone Symp.2008(Tromso,2008/07).
- H. Mukai and Y. Zeng, Atmospheric observation in Asia-Pacific region by stations and ships in NIES, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).
- H. Nara, CO measurement trials over the Pacific on board VOS ship, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).
- 西山明宏・森本敬光・近藤千裕・井川ちせい・岩見祥男・篠田祐介・村上雅博・津野洋・水野忠雄・一ノ瀬俊明(2008)：中国・深セン市の水環境問題～第九回途上国の環境問題を見て考える全国学生ツアー～，四万十・流域圈学会学術研究発表会，高知，平成20年5月；
- Y. Nojiri, History and outline of NIES volunteer observation ship program, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).
- Y. Nojiri, Trend analysis of ocean pCO<sub>2</sub> and the air-sea CO<sub>2</sub> flux in the North Pacific, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).
- M. Ono, UV monitoring network in Japan, East-Asia Regional UV workshop on monitoring and health study, Taipei, 2008.10.
- Saigusa, N. (2009) Impact of meteorological anomalies on CO<sub>2</sub> flux over various forests in East Asia. First SELIS International Workshop: Eco-Climate Dynamics in Eurasia / Monsoon Asia
- Saigusa, N. (2009) Regional flux studies in SE Asia. Workshop on Monsoon Asia Tropical Forest Carbon Dynamics and Sustainability, KHON KAEN, THAILAND
- Saigusa, N., Hirata, R., Ichii, K., Sasai, T., Ide, R., Tian, S.-F., Asanuma, J., Han, S.-J., Li, S.-G., Ohta T., Wang S.-Q. (2008) Impact of meteorological anomalies in summer, 2003 on gross primary productivity in East Asia. AsiaFlux Workshop 2008, Abstracts, 29.
- P.R. Shukla, Multi-gas Emissions Inventory of India, The 14th AIM International Workshop, Tsukuba, (February 2008)
- Takagi, K., Hirata, R., Hirano, T., Saigusa, N., Asanuma, J., Li S.-G., Machimura, T., Nakai, Y., Ohta, T., Takahashi, Y., Wang, H. (2008) Seasonal variation of photosynthetic and respiratory parameters of larch forests in East Asia. AsiaFlux Workshop 2008, Abstracts, 24.
- H. Tanimoto, Y. Sawa, S. Yonemura, K. Yumimoto, H. Matsueda, I. Uno, T. Hayasaka, H. Mukai, Y. Tohjima, K. Tsuboi, and L. Zhang, Diagnosing recent CO emissions from East Asia using coordinated surface observations, adjoint inverse modeling, and MOPITT satellite data, IGAC 10th International Conference, Bridging the scales in Atmospheric Chemistry : Local to Global, Annecy, 7-12 September 2008. (poster)
- Hiroshi Tanimoto, Keiichi Sato, Tim Butler, Mark G. Lawrence, Jenny A. Fisher, Monika Kopacz, Robert M. Yantosca, Yugo Kanaya, Shungo Kato, Tomoaki Okuda, Shigeru Tanaka, Jiye Zeng, Exploring CO pollution episodes observed at Rishiri Island by chemical weather simulations and AIRS satellite measurements: Long-range transport of burning plumes and implications for emissions inventory, American Geophysical Union 2008 Fall Meeting, San Francisco, 15-19 December 2008. (oral)
- Tatarov B., Nakane H., Park C., Sugimoto N., Matsui I., Lidar observation of long-term trends and variations of stratospheric ozone and temperature over tsukuba, Japan, Quadrenn.Ozone Symp.2008(Tromso,2008/07).
- Y. Terao, Sampling and measurement of 14C in CO<sub>2</sub> over the Pacific, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).
- Y. Tohjima, O<sub>2</sub>/N<sub>2</sub> observation using VOS and ground based stations, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).
- H. Tsumori, pCO<sub>2</sub> data from Transfuture 5 observation, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).

- Ueyama, M., Ichii, K., Hirata, R., Takagi, K., Asanuma J., Nakai, Y., Ohta, T., Saigusa, N., Hirano, T. (2008) Simulating carbon and water cycle at larch forests in East Asia by biome-bgc model with AsiaFlux data. AsiaFlux Workshop 2008, Abstracts, 29.
- H. Yamagishi, O<sub>2</sub>/N<sub>2</sub> measurement over the Pacific, Asia-Pacific Workshop on Carbon Observations, Tsukuba, Japan, March 17-19, NIES (2008).
- Zeng J., Mukai, H., Matsunaga, T., Using SOAP to Develop Software for Air Trajectory Calculation. In: Miquel Sanchez-Marre, Javier Bejar, Joaquim Comas, Andrea E. Rizzoli, Giorgio Guariso (Eds.), Proceedings of the iEMSs Fourth Biennial Meeting : International Congress on Environmental Modelling and Software (iEMSs 2008).
- 藤谷徳之助、2008：地球温暖化や自然災害に挑む研究の現状と展望、第 15 回 JR 東日本 R&D シンポジウム、東京、2008 年 11 月 27 日。
- 藤谷徳之助、2008：地球温暖化分野の観測ニーズ( 地球温暖化観測推進 WG 報告書第 1 号に基づく分析 ) 第 3 回国家機関技術「海洋地球観測探査システム」フォーラム、東京、2008 年 11 月 28 日。
- 橋本茂, 向井人史, 谷本浩志, 日本におけるオゾンモニタリングのための標準濃度スケールについて, 第 49 回大気環境学会年会, 金沢, 2008 年 9 月.
- 平野高司, 佐野智人, 梁乃申, 小熊宏之, 藤沼康実 (2008) カラマツ林風倒害跡地における CO<sub>2</sub> 収支, 日本地球惑星科学連合 2008 年大会, 2008 年 5 月, 千葉
- 鬼頭宏幸・佐野智人・平野高司・梁乃申・藤沼康実 (2008) カラマツ林倒壊跡地における生態系 CO<sub>2</sub> 交換量の季節変化と環境応答特性, 日本農業気象学会東北支部・北海道支部合同大会, 2008 年 11 月, 函館
- 宮崎 真, 2008: 地球観測連携拠点(温暖化分野)の活動について, 第 10 回高山セミナー, 岐阜県岐阜市、2008 年 3 月。
- 奈良秀樹、野尻幸宏、谷本浩志、向井人史、町田敏暢、遠嶋泰徳、定期貨物商船を用いた西部太平洋洋上大気中一酸化炭素の連続観測、日本地球化学会第 55 回年会、東京大学駒場、2008 年 9 月。
- 野口泉, 山口高志, 高木健太郎, 深澤達矢, 林健太郎, 三枝信子 (2008) 乾性沈着量評価における時間分解能の影響. 第 49 回大気環境学会年会, 金沢市.
- 野尻幸宏、津守博通、宮崎千尋、日本 - オセアニア航路貨物船を利用する海洋表層二酸化炭素分圧定常観測、日本地球化学会第 55 回年会、東京大学駒場、2008 年 9 月。
- 小野雅司：有害紫外線モニタリングネットワークについて、太陽から地球までシンポジウム、2008.10.
- 三枝信子(2008)陸上生態系は大気の二酸化炭素濃度をどう変化させるか? , 第 14 回岐阜シンポジウム , 岐阜市 , 同予稿集 11-12.
- 谷本浩志, K. Folkert Boersma, Ronald van der A, Philippe Le Sager, Robert M. Yantosca, Daniel J. Jacob, 松本潔, 植松光夫, GOME/SCIAMACHY 衛星観測により検出されたシベリア森林火災からの窒素酸化物放出とその影響に関するモデル解析, 日本気象学会 2008 年度秋季大会, 2008 年 11 月, 仙台. (oral)
- 谷本浩志, 佐藤啓市, Tim Butler, Mark G. Lawrence, 金谷有剛, 加藤俊吾, 奥田知明, 田中茂, Zeng Jiye, Jenny Fisher, Monika Kopacz, Bob Yantosca, AIRS 衛星センサーによって捉えられた一酸化炭素ブルームの長距離輸送とその全球化学輸送モデル解析 : シベリア森林火災とアジア人為汚染のケース, 第 14 回大気化学討論会, 横浜, 2008 年 10 月. (oral)
- 遠嶋康徳, 向井人史, 橋本茂, Prabir K.Patra(\*1)(\*1 地球環境フロンティア研セ), 波照間島・落石岬における CO<sub>2</sub> と CH<sub>4</sub> のシノプティックスケールの変動に関する研究、第 14 回大気化学討論会、2008 年 10 月、横浜
- 遠嶋康徳, 向井人史, 山岸洋明, 野尻幸宏, 町田敏暢、大気中酸素濃度の観測に基づく炭素収支の推定、日本地球化学会 第 55 回年会、2008 年 9 月、東京
- 遠嶋康徳, 向井人史, 野尻幸宏, 山岸洋明, 町田敏暢, Estimation of recent global carbon budgets based on atmospheric O<sub>2</sub>/N<sub>2</sub> and CO<sub>2</sub> measurements at Hateruma and Ochi-ishi 日本地球惑星科学連合 2008 年大会,

2008年5月,幕張

山岸洋明,遠嶋康徳,向井人史,曾継業,島野富士雄(\*1), 笹岡晃征(\*2)(\*1 地球・人間環境フォーラム,\*2JAMSTEC)、落石岬における春 - 夏季の大気中酸素/窒素比の高まりの起源、日本地球化学会 第55回年会、2008年9月、東京