

Belgium	Sophie Vandenbussche	Royal Belgian Institute for Space Aeronomy	sophie.v@aeronomie.be
Finland	Antti Arola	Finnish Meteorological Institute	antti.arola@fmi.fi
Finland	Antti Lipponen	Finnish Meteorological Institute	antti.lipponen@fmi.fi
Finland	Gerrit de Leeuw	FMI&UHEL	gerrit.leeuw@fmi.fi
Finland	Larisa Sogacheva	FMI	larisa.sogacheva@fmi.fi
Finland	Thomas Kühn	University of Eastern Finland LISA (Laboratoire Interuniversitaire des Systemes Atmospheriques)	thomas.h.kuhn@uef.fi
France	Claudia Di Biagio	METEO-FRANCE	claudia.dibiagio@lisa.u-pec.fr
France	Martine Michou	CNRM	martine.michou@meteo.fr
Germany	Edward Gryspeerd	Universität Leipzig	edward.gryspeerd@uni- leipzig.de
Germany	Johannes Muellenstaedt	University of Leipzig	johannes.muellenstaedt@uni- leipzig.de
Germany	Linlu Mei	IUP/University Bremen	mei@iup.physik.uni-bremen.de
Germany	Marc Salzmann	Universitaet Leipzig	marc.salzmann@uni-leipzig.de
Germany	Michael Grzegorski	EUMETSAT	michael.grzegorski@eumetsat.int
Germany	Stefan Kinne	MPI-Meteorology	stefan.kinne@mpimet.mpg.de
Germany	Thomas Popp	DLR	thomas.popp@dlr.de
Japan	Aoki Kazuma	University of Toyama National Institute for Environmental Studies (NIES)	kazuma@sci.u-toyama.ac.jp
Japan	Daisuke Goto		goto.daisuke@nies.go.jp
Japan	Kentaroh Suzuki	University of Tokyo	ksuzuki@aori.u-tokyo.ac.jp
Japan	Toshihiko Takemura	Kyushu University	toshi@riam.kyushu-u.ac.jp
Netherlands	Carlo Lacagnina	SRON KNMI (Koninklijk Nederlands Meteorologisch Instituut)	c.lacagnina@sron.nl
Netherlands	Tommi Bergman	Norwegian Meteorological Institute	tommi.bergman@knmi.nl
Norway	Alf Kirkevåg		alf.kirkevag@met.no
Norway	Bjorn Samset	CICERO	b.h.samset@cicero.oslo.no
Norway	Gunnar Myhre	CICERO	gunnar.myhre@cicero.oslo.no

Norway	Jan Jürgen Griesfeller	Met Norway	jan.griesfeller@met.no
Norway	Michael Schulz	Norwegian Meteorologica Institute	michaels@met.no
Norway	Svetlana TSYRO	Norwegian Meteorologica Institute Institute of Environmental Assessment and Water Research	svetlana.tsyro@met.no
Spain	Gloria Titos		gloria.titos@idaea.csic.es
Sweden	Anna Lewinschall	Stockholm University	anna@misu.su.se
Sweden	Paul Zieger	Stockholm University	paul.zieger@aces.su.se
Switzerland	Tanja Stanelle	ETH Zurich	tanja.stanelle@env.ethz.ch
United Kingdom	Gareth Thomas	RAL Space	gareth.thomas@stfc.ac.uk
United Kingdom	James Mollard	University of Reading	j.d.p.mollard@pgr.reading.ac.uk
United Kingdom	Nick Schutgens	University of Oxford	schutgens@physics.ox.ac.uk
United States	Andrew Gettelman	National Center for Atmospheric Research	andrew@ucar.edu
United States	Andrew Sayer	GESTAR/NASA GSFC	andrew.sayer@nasa.gov
United States	Bing Pu	Princeton University	bpu@princeton.edu
United States	Christina Hsu	NASA GSFC	christina.hsu@nasa.gov
United States	David Winker	NASA Langley Research Center	david.m.winker@nasa.gov
United States	Elisabeth Andrews	University of Colorado	betsy.andrews@noaa.gov
United States	Fanglin Yang	NOAA/NWS/NCEP/EMC	fanglin.yang@noaa.gov
United States	Fangqun Yu	University at Albany -- SUNY	fyu@albany.edu
United States	Hongqing Liu	IMSG Inc	hongqing.liu@noaa.gov
United States	Hongyu Liu	National Institute of Aerospace	hongyu.liu-1@nasa.gov
United States	Huikyo Lee	Jet Propulsion Laboratory Caltech	huikyo.lee@jpl.nasa.gov
United States	Huisheng Bian	UMBC	huisheng.bian@nasa.gov
United States	Lorraine Remer	JCET University of Maryland Baltimore Coun	laremer@hotmail.com
United States	Mariya Petrenko	University of Maryland / NASA	mariya.m.petrenko@nasa.gov
United States	Mian Chin	NASA Goddard Space Flight Cetner	mian.chin@nasa.gov

United States	Michael Garay	Jet Propulsion Laboratory, California Institute of Technology	michael.j.garay@jpl.nasa.gov
United States	Minghua Zhang	Stony Brook University	mhzhang@mail.iap.ac.cn
United States	Olga Kalashnikova	Jet Propulsion Laboratory	olga.kalashnikova@jpl.nasa.gov
United States	Paul Ginoux	NOAA GFDL	paul.ginoux@noaa.gov
United States	Po-Lun Ma	Pacific Northwest National Laboratory	po-lun.ma@pnnl.gov
		Bayarea Environmental Research	
United States	Qian Tan	Institute/NASA ARC	qian.tan@nasa.gov
United States	Ralph Kahn	NASA/Goddard Space Flight Center	ralph.kahn@nasa.gov
United States	Robert Levy	NASA-GSFC	robert.c.levy@nasa.gov
United States	Shana Mattoo	SSAI/NASA	shana.mattoo@nasa.gov
United States	Si-Chee Tsay	NASA GSFC	si-chee.tsay@nasa.gov
United States	Thomas Fairlie	NASA	t.d.fairlie@nasa.gov
United States	Xiaohong Liu	University of Wyoming	xliu6@uwyo.edu
United States	Yan Feng	Argonne National Laboratory	yfeng@anl.gov
United States	Xingxi Shi	USRA	yingxi.shi@nasa.gov
		University of Maryland & Beijing Normal University	
United States	Zhanqing Li		zli@atmos.umd.edu

China	Akhlaq Ahmad	ustc	akhlaq29@yahoo.com
China	Ammara Habib	Institute of Atmospheric Physics, Chinese Academy of Sciences	ammarahabib2011@hotmail.com
China	Baolin Jiang	Sun Yat-sen University	297404409@qq.com
China	Bing Xie	National Climate Center	bubba@126.com
China	Biwen WU	Anhui Institute of Meteorological Sciences	wbwen@sina.com
China	Bushra Khalid	IAP	kh_bushra@yahoo.com
China	Chen Bing	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	chenbing@mail.iap.ac.cn
China	Chen Hao	Institute of Remote Sensing and Digital Earth, Chinese Academy of Science	chenhao@radi.ac.cn
China	Chen Zhou	Chinese Academe of Meteorology Sciences	494324810@qq.com
China	Cheng Fan	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	fancheng15@mails.ucas.ac.cn
China	chenrui li	Lanzhou University	lcr0273@126.com
China	CHONG LI	Department of Atmospheric and Oceanic Sciences, School of Physics, Peking University	553734986@qq.com
China	Dansi Yi 一丹司	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	siyidan2014@126.com
China	Di Chen	Lanzhou University	283682910@qq.com
China	DIDIER NTWALI	Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing 100029, China	ntwalididi@yahoo.fr
China	Fangzhou Li	Sun Yat-sen University	eeslfz2016@163.com
China	Guang Jie	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	guangjier@163.com
China	Haiguang Zhou	Chinese Academy of Meteorological Sciences	zhg@camsma.cn
China	hailun wei	Lanzhou university	weih15@lzu.edu.cn
China	Heming Bai	Nanjing University	hemingbai@163.com
China	Hong Liao	NUIST	<a href="mailto:hongliao@mail.iap.ac.cn">hongliao@mail.iap.ac.cn</a>
China	Hua Wenli	Lanzhou University	huaw15@lzu.edu.cn
China	Hua Zhang	National Climate Center, CMA	huazhang@cma.gov.cn

China	Huanhuan Sun 孙欢欢	成都信息工程大学 Institute of Atmospheric Physics, Chinese Academy of Sciences	283087789@qq.com
China	Huiyun Du Jiahui		duhuiyun14@mailsucas.ac.cn
China	Zhang	Beijing Normal University Institute of Atmospheric Physics, Chinese Academy of Sciences	zhangjiahui@mail.bnu.edu.cn
China	Jiandong Li	National Satellite Meteorological Center	lijd@mail.iap.ac.cn
China	Jin Qi		qijin@cma.gov.cn
China	Jing Li	Peking University	jing-li@pku.edu.cn
China	Jingxu Wang	Peking University	wangjx001@pku.edu.cn
China	Jining Ma 马宁	Institute of Atmospheric Physics, Chinese Academy of Sciences	1063843578@qq.com
China	Jinyuan Xin	Institute of Atmospheric Physics, Chinese Academy of Sciences	xjy@mail.iap.ac.cn
China	joanna Liu	Lanzhou University	853875468@qq.com
China	Jun LIU	Lanzhou university	liujun2014@lzu.edu.cn
China	Kang Hu	Nanjing University of Information Science and Technology	huhuhukang@126.com
China	Lei Chen	IAP, CAS	chenlei@mail.iap.ac.cn
China	lin wen	Fujian Meteorological Science Research Institute	donnakoon@foxmail.com
China	lin wu	IAP National Satellite Meteorological Center China Meteorological Administration	wulin4u@hotmail.com
China	Lu Zhang		l-zhang@hotmail.com
China	Meigen Zhang	Institute of Atmospheric Physics, Chinese Academy of Sciences	1642217802@qq.com
China	Minghuai Wang	Nanjing University	minghuai.wang@nju.edu.cn
China	PanXiang Zhang	National Satellite Meteorological Center	1298554768@qq.com
China	Qaiser Shakeel	Huazhong Agricultural University, Wuhan, Hubei, china	qaisershakeel@outlook.com
China	Qi An	Chinese Academy of Meteorological Sciences	elian929@163.com
China	Qi Zhang	Chinese Academy of Sciences Hefei Institutes of Physical Science, Chinese Academy of Sciences	2494801957@qq.com
China	Qiao Ma		maqiaoa@sina.com
China	Qiduo SHAO	Sun Yat-sen University	shaoqd@mail2.sysu.edu.cn
China	Sangeeta Sarmah	Institute of Atmospheric Physics, Chinese Academy of Sciences	sangeeta@tea.ac.cn

China	She Lu	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	shelu_wlu@163.com
China	Shenshen Li 莘莘李	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	lishenshen@126.com
China	Shipeng Zhang	Nanjing University	zhangshipeng1991@163.com
China	Shixian Zhai	Nanjing University of Information Science & Technology	zhaisx0605@163.com
China	shuaiyi shi Shuang Xia 夏爽	RADI	shisy01@radi.ac.cn
China	Shuo Wang	Lanzhou University Hefei institutes of Physical Science Chinese Academy of Science	ws2014@mail.ustc.edu.cn
China	Siyuan Zhou	Beijing Normal University	201111191021@mail.bnu.edu.cn
China	tang kai	Lanzhou University	tangk12@lzu.edu.cn
China	tianhai cheng	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	chength@radi.ac.cn
China	Tianyi Fan	GCESS Beijing Normal University	fantianyi@bnu.edu.cn
China	Tie Dai	Institute of Atmospheric Physics, Chinese Academy of Sciences	daitie@mail.iap.ac.cn
China	Wang Chunjiao	Chinese Academy of Meteorological Sciences	449184980@qq.com
China	Wang Qiuyan	Nanjing University of Information Science and Technology	wqy_ncc@163.com
China	WANG YANG	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	wangyang01@radi.ac.cn
China	Wang Ying	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	wangying@radi.ac.cn
China	Wang Zhili	Chinese Academy of Meteorological Sciences	wangzli@camsma.cn
China	Wangshu Tan	Peking University	tanws@pku.edu.cn
China	Wen Hui	Lanzhou University	wenh12@lzu.edu.cn
China	Xiaobing Geng	Institute of Atmospheric Physics, Chinese Academy of Sciences	gengxiaobing@mail.iap.ac.cn
China	Xiao-Xiao Zhang	Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences	zhangxx@ms.xjb.ac.cn
China	Xiaoyan Ma	Nanjing University of Information Science and Technology	xma@nuist.edu.cn
China	xiong changrui	Peking University	musexc@qq.com

China	Xu Binren	UCAS	xubr@radi.ac.cn
China	Xue qin Wu	Lanzhou University	yzxdfwxq@163.com
China	Xue Yong	RADI/CAS	yx9@hotmail.com
China	Xuezhe Xu	Hefei Institutes of Physical Science, Chinese Academy of Sciences	ad09xxz@126.com
China	Yahui Che	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	15011546747@163.com
China	Yang Dongdong	NanJing University of Information Science and Technology	ydd_2012@126.com
China	Yanqing Xie	Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences	x_yanqing@163.com
China	Ying Li	Institute of Remote Sensing and Digital Earth, Chinese Academy of Science	happyappleliying@163.com
China	Yingying Jing	National Satellite Meteorological Center	jingyy@radi.ac.cn
China	Yiquan Jiang	Nanjing University	yqjiang@nju.edu.cn
China	Yongjing Ma	Institute of Atmospheric Physics, Chinese academy of sciences	18298338234@163.com
China	Yuanjian YANG	Anhui Institute of Meteorological Sciences	yyj1985@mail.ustc.edu.cn
China	Zhaohui Lin	Institute of Atmospheric Physics, Chinese Academy of Sciences	<a href="mailto:lzh@mail.iap.ac.cn">lzh@mail.iap.ac.cn</a>
China	Syed Turab Raza	IMHE, CAS, CHENGDU	s.turabkazmi@imde.ac.cn

Brazil	Debora Alvim	INPE - National Institute for Space Research	deborasalvim@gmail.com
Brazil	Paulo Nobre	INPE	paulo.nobre@cptec.inpe.br
Egypt	Shaymaa Shedeed	National Research Center	shaymaamistr@yahoo.com
Egypt	Zakaria Abdalla	National Research Centre	zakaria6eg@gmail.com
Ghana	Hannah Affum	Ghana Atomic Energy Comission	hannahaffum@gmail.com
India	Krishna Kumar Shukla	Arayabhatta Research Institute of Observational Sciences (ARIES)	krishnashukla2008@gmail.com
India	Salauddin Mohammad	Vignana Bharathi Institute of Technology	salauddin.physics@gmail.com
Iran	Abdolnabi Abdeh Kolahchi	Soil Consevation and Watershed Management Research Institute	kolahchi@yahoo.com
Iran	Ali Akbar Noroozi	SCWMRI	noroozi.aa@gmail.com
Iran	Mahmood Molanezhad	Scientific Faculty of Iranian Research Organization for Science and Technology Spectroscopy Research Laboratory, International Centre for Environmental and Nuclear Sciences (ICENS)	<a href="mailto:mahmood.molanezhad@gmail.com">mahmood.molanezhad@gmail.com</a>
Jamaica	Adrian Spence	SHEDA SCIENCE AND TECHNOLOGY COMPLEX, ABUJA, NIGERIA	<a href="mailto:adrian.spence02@uwimona.edu.jm">adrian.spence02@uwimona.edu.jm</a>
Nigeria	Danlami Uzama	.	uzamadan@yahoo.com
Nigeria	Gabriel Oyerinde	Sheda Science and Technology Complex(SHESTCO), Federal Ministry of Science and Technology, Abuja, Nigeria.	go.oyerinde@shestco.gov.ng
Nigeria	Paul C Onyenekwe	Sheda Science and Technology Complex	pc.onyenekwe@shestco.gov.ng
Nigeria	Somotochukwu Anosike	UNIVERSITY OF NIGERIA NSUKKA	futmnn@yahoo.co.uk
Nigeria	Theodore Chineke	Imo State University, Owerri	<a href="mailto:chidiezie@gmail.com">chidiezie@gmail.com</a>
Pakistan	Anjum Rasheed	Centre for Climate Research and Development (CCRD)	anjum_eve@yahoo.com
Pakistan	Ghazala Qaiser	Pakistan Meteorological Deptment	ghazalaqaiser@gmail.com
Pakistan	Muhammad Imran Shahzad	Department of Meteorology, CIIT	imran.shahzad@comsats.edu.pk
Pakistan	Rashed Mahmood	University of Victoria, Victoria BC Canada, and COMSATS Institute of Information Technology,	rashidcomsis@gmail.com

Islamabad Pakistan

Pakistan	Sana Khushi	The Urban Unit COMSATS Institute Information Technology Islamabad	sana.khushi@yahoo.com
Pakistan	Shahina Tariq		shahinatariq@comsats.edu.pk
Pakistan	Wash Dev Khatri	Pakistan Met Department	washdevkhatri@gmail.com
Sri Lanka	Wasana Isuri Jayawardena	Department of Physics, The Open University of Sri Lanka, Nawala, Sri Lanka	wasana.isuri@gmail.com
Sri Lanka	R W S M N Manorathne	Central Environment Authority	nmanoratne@hotmail.com
Thailand	Somporn Chantara	Chiang Mai University	somporn.chantara@gmail.com
Thailand	wan wiriya	Department of Chemistry, Faculty of Science Chiang Mai University	wanwiriya484@hotmail.com