

Volume1, No.1, Issue No.1, March 2006 (The first issue)

Author	Position	Page	Contents
TAKEUCHI Kuniyoshi	Director	1.	Message from Dr.Takeuchi, Director of ICHARM
–	–	2.	Activities of ICHARM
–	–	3.	Signing ceremony at UNESCO Headquarters
–	–	4.	ICHARM opening ceremony
–	–	5.	Latest activities (International Workshop on Flood Risk Management, 24–25th January 2006)
–	–	6.	Organization of ICHARM and new contact number

Category	Author	Position	Page	Contents
Message from Dr. Takeuchi, Director of ICHARM	TAKEUCHI Kuniyoshi	Director	1.	Message from Dr. Takeuchi, Director of ICHARM
Latest Activities etc.	–	–	2.	Opening Ceremony of ICHARM and Commemorative Symposium is planned to be held in Tokyo on Sept. 14
	–	–	3.	Introduction of New Staff
	–	–	4.	ICHARM's Inauguration Commemorative Symposium
	–	–	5.	Town Watching in Kurihashi Town
	–	–	6.	Planned Collaboration with the Philippines
	–	–	7.	The late Dr. Fumio YOSHINO was conferred on the Special Distinguished Service Award of the Japan Society of Hydrology & Water Resources (May 2nd, 2006 Tokyo, Japan)
Reports on Participation in International Conferences	–	–	8.	Flash Flood Workshop (March 13–17, 2006 San José, Costa Rica)
	–	–	9.	Science Council of Asia 2006 (April 18, 2006 New Delhi, India)
	–	–	10.	Conference on Innovative Technologies in the Water Sector (May 16, 2006 Rotterdam, Netherlands)
	–	–	11.	4th Mekong Annual Flood Forum (May 18–19, 2006 Siem Reap, Cambodia)
	–	–	12.	Symposium on Multi-Hazard Early Warning Systems for Integrated Disaster Risk Management (May 23–24, 2006 Genève, Switzerland)
	–	–	13.	The Regional Workshop on Mitigation, Preparedness and Development for Tsunami Early Warning System in Indian Ocean Region (June 14–16, 2006 Bangkok, Thailand)
	–	–	14.	The 17TH UNESCO-IHP Intergovernmental Council (July 3–7, 2006 Paris, France)

Author	Position	Page	Contents
TAKEUCHI Kuniyoshi	Director	1.	Message from the Director
–	–	2.	The Second Joint Project Team Meeting for Establishing the Disaster Management Support System in the Asia-Pacific Region
–	–	3.	2006 Research Presentation at the Japan Society of Hydrology and Water Resources
–	–	4.	The Seventh International Conference on Hydroinformatics
–	–	5.	Report of ICHARM Inaugural Ceremony and Commemorative Symposium on 14th September
–	–	6.	ICHARM International Advisory Board
–	–	7.	International Workshop for Earth Observation in Water Management Service
–	–	8.	UNESCO-IHE Summer Course: "Climate Change in Integrated Water Management"
–	–	9.	ICHARM Hosted a Session at UNESCO-IHP International Symposium
–	–	10.	The 14th Meeting of the UNESCO-IHP Regional Steering Committee for Southeast Asia and the Pacific
–	–	11.	Mekong Research for the People of the Mekong
–	–	12.	Business Trip to U.S.A.
–	–	13.	Flood Hazard Mapping Training Course 2006

Author	Position	Page	Contents
TAKEUCHI Kuniyoshi	Director	1.	Message from the Director
–	–	2.	Recruiting 6 new specialty researchers
–	–	3.	Field Survey in Thailand and Cambodia (2006 Dec.10–15, Thailand/Cambodia)
–	–	4.	“The 3rd US–Japan Conference on Flood Control and Water Resources Management”(Jan.28–29, USA)
–	–	5.	“The 2nd Asian Water Cycle Symposium (AWCS)” in the University of Tokyo (Jan.9–10, Tokyo, Japan)
–	–	6.	International Symposium on 2006 Flood of Chao Phraya River: “Emerging issues and contribution of hydrological studies” (Jan.19, Thailand)
–	–	7.	“The 8th USGS–NILIM/PWRI Workshop on Hydrology and Water Resource ” (Jan.28–29, USA)
–	–	8.	“The 3rd Workshop on Watershed and River System Management” (Jan.31, USA)
–	–	9.	Mangrove Survey in Malaysia (Feb.3, Malaysia)
–	–	10.	A Brief Survey on Flood Damage Assessment Conducted in Johore State, Malaysia (Feb.5–6, Malaysia)
–	–	11.	“Typhoon Committee Hydrological Component Workshop for the Exchange of Technology on Evaluation and Improvement of Flood Forecasting System” (Feb.5–7, South Korea)
–	–	12.	“East & Southeast Asia Regional Seminar on Flood Hazard Mapping”, 2007 (Feb.7–9, Malaysia)
–	–	13.	OIC–Director Cabral and two officials from the Philippines visits ICHARM(Feb.8, Tsukuba, Japan)
–	–	14.	“The 1st Meeting of the Asia Pacific Water Forum Governing Council” (Feb.21–22, Singapore)
–	–	15.	“Hydrology delivering Earth System Science to Society”, HESSS (Feb.28–Mar.2, Tsukuba, Japan)

Category	Author	Position	Page	Contents
Message from the Director	TAKEUCHI Kuniyoshi	Director	1.	Message from the Director
Recent Report	–	–	2.	Survey on Quake/Tsunami Damage in the Solomon Islands on April 2 ,2007
Research	–	–	3.i.	5th Annual Mekong Flood Forum (Ho Chi Minh, Vietnam; May 17–18, 2007)
	–	–	3.ii.	Flood Hazard Map Help Desk (FHM-HD) has been Launched
	–	–	3.iii.	Symposium for Advances in River Engineering (Tokyo, Japan; June 7–8, 2007)
Training	–	–	4.i.	Introduction of “Comprehensive Tsunami Disaster Prevention Training Course” at UN/ISDR conference (Colombo, Sri Lanka; April 25–26, 2007)
	–	–	4.ii.	New Master’s Program: “Disaster Management Policy Program (Water-related Risk Management Course) ”
	–	–	4.iii.	Town-Watching Exercise (Kurihashi, Japan; June 5–8, 2007)
Attended International Events	–	–	5.i.	PIARC Seminar (Cartagena, Colombia; May 3–4, 2007)
	–	–	5.ii.	UNESCO Trust Fund Review Meeting (Jakarta, Indonesia; May 23–24, 2007)
	–	–	5.iii.	1st UNESCO Water Centers Directors Meeting (Delft, Netherlands; June11–12, 2007)
	–	–	5.iv.	UNESCO-IHE 50th Anniversary Symposium (Delft, Netherlands; June 13–15, 2007)
Coming Events	–	–	6.	Coming Events

Category	Author	Position	Page	Contents
Message from the Director	TAKEUCHI Kuniyoshi	Director	1	Message from the Director
Recent reports	–	–	2.i.	Tsunami countermeasures in Kii Peninsula
	–	–	2.ii.	Community Based Hazard Maps in Ise City
	–	–	2.iii.	The Preparatory Study of the “Project for Strengthening of Flood Risk Management in Lai Nullah Basin” (Islamic Republic of Pakistan; August 19th–September 1st, 2007)
Research	–	–	3.i.	The 62nd Annual Academic Lecture Meeting of the Japan Society of Civil Engineers (Hiroshima; September 12nd–14th, 2007)
	–	–	3.ii.	International Seminar on Wetlands and Sustainability 2007(Johor Bahru, Malaysia; September 4th–6th, 2007)
	–	–	3.iii.	The International Symposium on 2007 Basin Water Management Policy for Chao Phray River (Thailand) and Changjiang River (China). (Tokyo; September 6, 2007)
Training	–	–	4.i.	ICHARM Launches a New Master’s Program
	–	–	4.ii.	Flood Hazard Mapping Training Course, 2007
	–	–	4.iii.	Introduction of “Comprehensive Tsunami Disaster Prevention Training Course”
Attended International Conferences	–	–	5.i.	Workshop of the ESCAP/WMO Typhoon Committee(Bangkok, Thailand; September 10th–13th, 2007)
	–	–	5.ii.	Asia-Pacific UNESCO Water Centes’ Meeting (Bangkok, Thailand; September 26–27, 2007)
Report	–	–	6	Report from Costa Rica.(Ms.Tsuruta, former coordinator of FHM training course)
Coming Events	–	–	7	Coming Events

Category	Author	Position	Page	Contents
Message from the Director	TAKEUCHI Kuniyoshi	Director	1.	Message from the Director
Introduction of new ICHARM staff	–	–	2.i.	Dr. Rajapakse
	–	–	2.ii.	Dr. Yorozya
Recent Report	–	–	3.i.	Cyclone Sidr damage assessment in Bangladesh (8. ~ 18. Dec.)
Training	–	–	4.i.	Self-introduction of 5 students at Master's Degree Program "Water-related Risk Management Course of Disaster Management Policy Program"
	–	–	4.ii.	Results of 2007 region-focused training course on flood hazard mapping (FHM) (30. Oct. ~ 29. Nov.)
ICHARM-hosting conferences	–	–	5.i.	ICHARM Quick Report on Floods 2007 (6. Nov.)
	–	–	5.ii.	Asia Pacific Water Forum (1. ~ 4. Dec.)
(Attended) International Conferences	–	–	6.i.	The UNESCO-IHE Course (1. ~ 5. Oct.)
	–	–	6.ii.	Regional Consultation Meeting for Candidate Water Knowledge Hubs (29. ~ 30. Oct.)
	–	–	6.iii.	Workshop on the Evaluation of High Resolution Precipitation Products, Geneva, Switzerland (3. ~ 5. Dec.)
Visitors to ICHARM	–	–	7.i.	Guest from UNESCO (7. Dec.)
Coming Events	–	–	8.i.	Follow-up seminar on Flood Mapping in China (30. Jan. ~ 1. Feb.)

Author	Position	Page	Contents
TAKEUCHI Kuniyoshi	Director	1	Message from the Director
–	–	2	Survey Shows Different Perceptions to Sea Level Rise among Nations
–	–	2	United Nations Secretary-General's Advisory Board on Water & Sanitation
–	–	3	ICHARM Sends Researchers to Nyuzen for High-Wave Damage Assessment
–	–	4	How is the Master's course going? (See also ICHARM Newsletter No.7)
–	–	5	Professor Emeritus Takahasi Lectures on "Men who Worked for Mankind"
–	–	6	PWRI foreign researchers enjoy a flavorful and beautiful spring
–	–	6	ICHARM Welcomes New Members
–	–	7	Cyclone Sidr Investigation in Bangladesh
–	–	7	NARBO GENERAL MEETING
–	–	7	SATELLITE-BASED PRECIPITATION GSMaP
–	–	7	Community-based Flood Hazard Mapping Project in Nepal
–	–	7	2nd Coordination Meeting for 5th World Water Forum
–	–	8	International Seminar on Role of Dams

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director, ICHARM	1	Message from the Director
ICHARM activities to solve water-related problems	—	—	2	18th UNESCO-IHP Intergovernmental Council Held
	—	—	2	The second International Flood Initiative Advisory/Management Committee Meeting Held
	—	—	3	ICHARM's commitments to World Water Development Report
	—	—	3	ICHARM researchers sent to help flood mapping manual development
	—	—	3	Pre-announcement of the 5th International Conference on Flood Management (ICFM5)
	—	—	4	Launch of Asia-Pacific Water Forum Knowledge Hubs
	—	—	4	Regional Consultation Meeting on Water-related Disaster Management
	—	—	4	ICHARM concludes a memorandum with FCSEC
	—	—	4	ICHARM researcher joins a survey team to help Vietnam become disaster-resilient
Research reports at international conferences	—	—	5	ASCE World Environmental & Water Resources Congress
	—	—	5	The 6th annual Mekong Flood Forum
	—	—	5	The 5th annual meeting of Asia Oceania Geosciences Society (AOGS)
Introduction to an ICHARM research project	—	—	6	Development of a water/sediment discharge measurement system
ICHARM open event	—	—	6	ICHARM open event
ICHARM R&D Seminars	—	—	7	Two flood management specialists talk on devastating impacts of large-scale floods
	—	—	7	Major shift in approach on disaster risk reduction —from response & relief oriented activities to reducing risk and vulnerability for sustainable development

Category	Author	Position	Page	Contents
Comprehensive Tsunami Disaster Prevention Training Course	—	—	8	Comprehensive Tsunami Disaster Prevention Training Course
Adaptation to global warming	—	—	9	Japanese Ministry of Land Infrastructure Transport and Tourism's Panel concludes a climate-change adaptation policy report
	—	—	9	A proposal issued by Science Council of Japan
ICHARM publication list	—	—	10,11	ICHARM publication list
～News from ICHARM～	—	—	12	International Flood Initiative (IFI) website has been launched
	—	—	12	New member!!
	—	—	12	Announcement of ICHARM Open Symposium and International Conference
	—	—	12	Coming Event in ICHARM

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from the Director
Special Topics	—	—	2	ICHARM International Symposium “Local Practices of Integrated Flood Risk Management under Changing Natural and Social Conditions” (30 September)
	—	—	3	ICHARM 2nd Advisory Board Meeting (1 October)
	—	—	3	International Flood Initiative (IFI) Meeting (2 October)
	—	—	4	Development of Integrated Flood Analysis System (IFAS) Flood Forecasting System Using Satellite-based Rainfall Information as a tool of GFAS-streamflow version
	—	—	5	Training course for the validation of the Global Flood Alert System (GFAS)
International Meetings and Seminars	—	—	6	Seminar and training workshop on use of satellite-based data in flood risk management –Jakarta & Bundung, Indonesia (21–24 July)
	—	—	6	Planning meeting for topic 1.3 of the 5th World Water Forum (WWF5) –Stockholm (20 August)
	—	—	6	13th IWRA Congress –Montpellier, France (1–5 September)
	—	—	6	International Seminar on Long-Term Flood Forecast Technology for Disaster Management –Dhaka, Bangladesh (3–4 September)
	—	—	7	ICHARM researcher lectures at UNESCO-IHE –The Netherlands (8–12 September and 15–19 September)

Category	Author	Position	Page	Contents
International Meetings and Seminars	—	—	7	5th Meeting of the Expert Working Group (EWG) on Measuring Vulnerability – Vietnam (14–16 September)
	—	—	8	AIDCO Consultation Meeting –Bangkok, Thailand (17–19 September)
	—	—	8	Integrated Workshop of the ESCAP/WMO Typhoon Committee –Beijing, China (22–25 September)
	—	—	8	International Symposium on Science and Practice of Basin-scale Water Policy for Population Upsurging Asia –Tokyo, Japan (25–26 September)
Visitors to ICHARM	—	—	9	ICHARM and UNESCO–IHE promote research and educational collaboration
	—	—	9	ICHARM and RCUWM–Tehran discuss mutual collaboration
	—	—	9	ICHARM agrees on collaboration for WWDR–III Side Publication
	—	—	9	Dutch officials visit ICHARM to discuss flood risk management policy
Research and Training	—	—	10	Debris–flow dewatering brakes: a promising tool for disaster management in developing countries
	—	—	11	Master’s Program “Water–related Risk Management Course of Disaster Management Policy Program” completed its successful first year
	—	—	12	ICHARM contributes to a JICA training course “Comprehensive Management of River and Dam”
	—	—	12	Flood Hazard Mapping Training Course starts on 28 October

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Activities of ICHARM	—	—	2	Research and Training activities at ICHARM
Research Projects	—	—	3	The “Debris-flow dewatering brakes” project in the Philippines completed
	—	—	3	ICHARM Surveyed Glacial Lake Outburst Flood Impacts in High Himalaya
	—	—	3	JOINT WORKSHOP OF JAPAN AND VIETNAM FOR DISASTER PREVENTIONS and Investigation of Coastal Erosion in Nam Dinh Province
Training	—	—	4	Reports from Past Participants
	—	—	4	Activities after ICHARM Comprehensive Tsunami Disaster Prevention Training 2008
	—	—	5	Issues in Community-Based Flood Mitigation in Costa Rica
	—	—	5	Report on JICA Training “The 5th Flood Hazard Mapping in East/Southeast-Asian Region, 2008”
Conferences and Meetings	—	—	6	4th APHW and 3rd GEOSS-AWCI ICG meeting – Beijing, China (3–5 November)

Category	Author	Position	Page	Contents
Conferences and Meetings	—	—	6	13th session of the Commission for Hydrology (CHy-XIII) of WMO – Geneva, Switzerland (4–12 November)
	—	—	6	Result Management Council of the Global Facility for Disaster Reduction & Recovery –Copenhagen, Denmark (11 November)
	—	—	6	Regional Workshop on Developing Partnerships for Water and Climate Change Adaptation – Selangor, Malaysia (1–5 December)
	—	—	7	15th Session of Asia-Pacific Regional Space Agency Forum APRSAF – Hanoi, Vietnam (9–12 December)
	—	—	7	2nd international Symposium on Shallow Flows (ISSF2008) – Hong Kong (10–12 December)
	—	—	7	3rd Annual International Workshop & Expo on Sumatra Tsunami Disaster and Recovery – Banda Aceh, Indonesia (17–19 December)
	—	—	7	International Workshop on Typhoon and Flood Research – Taipei, Taiwan (18–19 December)
Visitors to ICHARM	—	—	7	Dr. Joan Pope visited PWRI
Coming Events	—	—	8	“3rd East & Southeast Asia Regional Seminar on Flood Hazard Mapping 2009”
	—	—	8	“5th World Water Forum”

Volume.4 No.1, Issue No.12, April, 2009

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
News	–	–	2	ICHARM Open Day 2009
	–	–	2	ICHARM concludes MOU with Yamanashi Universit
	–	–	2	Prof. Reiko Kuroda visits ICHARM
	–	–	3	New members join ICHARM this April
[Special Topic] 5th World Water Forum	–	–	4	5th World Water Forum –March 2009, Istanbul, TurkeyICHARM’ s Contribution to the forum
	–	–	5	IFI Workshop in the 5th World Water Forum (21 March, Istanbul)
	–	–	5	High–Level Expert Panel on Water and Disaster
Information Network	–	–	6	The 3rd Global Earth Observation System of Systems (GEOSS) Asia–Pacific Symposium and the 4th International Coordination Group Meeting of the GEOSS Asian Water Cycle Initiative (AWCI)
	–	–	6	ICHARM Researcher participates in JICA Project in Jordan for Arid Land Sabo and Water Management
Training programs	–	–	7	Third East & Southeast Asia Regional Seminar on Flood Hazard Mapping in the Philippines 17–19 February 2009, Manila, The Philippines
	–	–	8	Water–related Risk Management Course Disaster Management Policy Program2008–2009
	–	–	10	ICHARM Research & Development Seminar
	–	–	11	Turn–over ceremony and Seminar on Debris–flow Countermeasures in the Philippines
Research activities	–	–	12	IFI Newsletter
	–	–	12	Now accepting applications for admission of 2009-2010 GRIPS and ICHARM/PWRI Disaster Management Policy Program Water-related Risk Management Course till 5 June.
Coming Events	–	–	12	7th Annual Mekong Flood Forum 13–14 May 2009, Bangkok, Thailand
	–	–	12	GPM Asia Workshop on Precipitation Data Application Technique 13–15 May 2009 Tokyo, Japan
	–	–	12	20th ICHARM Research & Development Seminar 11 June 2009 Tsukuba, Japan
	–	–	12	Seminar on “Debris–flow break” 12 June 2009 Tokyo, Japan

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Special Events	—	—	2	Lectures by the award-winning hydrologists on the occasion of the 2008 JSCE International Contribution Award
	—	—	3	Asian Development Bank (ADB) Visits ICHARM
ICHARM Master's Course Update	—	—	4	Isawa Dam construction site
	—	—	4	Hada District
	—	—	5	Kesennuma City
	—	—	5	Ichinoseki retarding basin and community efforts to keep memories of Typhoon Kathleen
Research Introduction	—	—	6	Development of a correction method for satellite-based rainfall data
	—	—	7	Sustainable tsunami countermeasures for developing countries
ICHARM R&D Seminars	—	—	8	TPU Global COE Program: New Frontier of Education and Research in Wind Engineering and IAWE Activities on Wind-related Disaster Reduction – Prof. Yukio Tamura (7 April 2009)
	—	—	8	“ICHARM BEST PAPER AWARD” Special Lecture – Dr. Rabindra Osti (22 June 2009)
International Activities	—	—	9	ICHARM participates in drafting 2nd Water Security Outlook of Asia
	—	—	9	Lecture in Singapore
Business Trips	—	—	10	Meeting for the intercomparison of flood forecasting and warning systems in tropical Asia in Kuala Lumpur, Malaysia (20– 21 April 2009)
	—	—	10	Second Experts' Symposium on Multi-Hazard Early Warning System in Toulouse, France (5–7 May 2009)
	—	—	10	Drafting ICHARM's Strategy for Integrated Flood Risk Management in the Lower Mekong River Basin in Bangkok, Thailand (13–14 May 2009)
	—	—	11	Workshop on Developing Water and Climate Change Adaptation Guidelines in Kuala Lumpur, Malaysia (26–28 May 2009)

Volume.4 No.2, Issue No.13, July, 2009

Category	Author	Position	Page	Contents
Business Trips	—	—	11	Launch of the HelpDesk for Integrated Flood Management in Geneva (17 June 2009)
	—	—	11	Participation in the APWF Knowledge Hub review meeting in Singapore (19 April –2 May 2009)
Coming Events	—	—	12	International Workshop on Application and Validation of GFAS 3–7 August 2009, ICHARM
	—	—	12	Training Workshop on Risk Management and Flash Flood Mitigation Strategies
	—	—	12	Knowledge Sharing Workshop on Water Science and Technology for Sustainable Well Being
	—	—	12	Master's Course "Water-Related Risk Management Course of Disaster Management Policy Program"
	—	—	12	"Local Disaster Management Program with Flood Hazard Map" Training Course

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Master's Course Update	—	—	2	Master's Program "Water-related Risk Management Course of Disaster Management Policy Program" completes its successful second year and starts its third year
Information Network	—	—	3	Em. Prof Roland K. Price of UNESCO-IHE visits ICHARM for Training Review (21–27 July 2009)
	—	—	3	The Letter of Agreement "Partnership among ADB, PWRI and ICIMOD for the Preparation of Asian Water Development Outlook 2010 (AWDO2010) – Key Dimension 5: Building Resilient Communities" signed (30 September 2009)
	—	—	4	Second Meeting Regarding Quadrilateral Exploration of Risk-Based Approaches/ Standards, Tsukuba, Japan (30 September–1 October 2009)
	—	—	4	ICHARM Signs the MOU with IRTCES (17 September)
	—	—	5	Sentinel-Asia Flood WG, Bali, Indonesia (15–17 July 2009)
	—	—	5	IFAS Training Workshop in Nepal (26–27 August 2009)
	—	—	5	Orientation Visit for Coastal Vegetation Survey in Yogyakarta and UNISDR-ESCAP Meeting in Bangkok (Yogyakarta: 10–14 September 2009/ Bangkok: 15–18 September 2009)
	—	—	6	International Workshop on Application and Validation of GFAS/IFAS
	—	—	6	New Version of IFAS (Version 1.2)
Research	—	—	7	Introduction of "IFAS " (No.2) PWRI-Distributed Hydrological Model (Version 2.0)
Coming Events	—	—	8	ICHARM Quick Report on Floods 10 December 2009, ICHARM, Japan
	—	—	8	5th meeting of International Coordination Group (ICG), GEOSS Asia Water Cycle Initiative (AWCI)

Volume.4 No.4, Issue No.15, January, 2010

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Special Topics & Events	—	—	2	ICHARM Teams Up with ADB to Start a Water-related Disaster Management Project in Asia (Manila, The Philippines, 13 Nov. 2009)
	—	—	3	ICHARM Holds Quick Reports on Floods 2009 (ICHARM, Japan, 10 Dec. 2009)
Capacity Development	—	—	4	New Training Course “Local Emergency Operation Plan with Flood Hazard Map” Launched
	—	—	5	ICHARM Launches Ph.D. Disaster Management Program in 2010
Research	—	—	6	Introduction of “IFAS” (No.3) BTOP Model
Meetings & Conferences	—	—	8	Participation in “ADCPs in Action” (San Diego, U.S.A., 5–7 Oct. 2009)
	—	—	8	International Conference on “Hydrology and Disaster Management” (H&DM2009) and 17th RSC Meeting for UNESCO-IHP (Wuhan, China, 2–6 Nov. 2009)

Volume.5 No.1, Issue No.16, April, 2010

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Special Topics & Events	—	—	2	5th International Conference on Flood Management (ICFM5) (Tsukuba, Japan, 27–29 September 2011)
ICHARM Updates	—	—	3	On-going & Prospective Projects
Research	—	—	5	Introduction of “IFAS” (No.4) Model Building Procedure
	—	—	6	IFAS Training Workshop (Solo, Indonesia, 2–4 March 2010)
Capacity Development	—	—	7	Comments from Master’s Course Students
Other Topics	—	—	8	ICHARM Signed the MOU with DPRI (25 January 2010)

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Special Topics & Events	–	–	2	International Symposium “Floods – A global problem that needs local solutions” will be held (28 September 2010)
	International Technical Exchange Team	–	3	Mr. Ueda awarded for his distinguished contribution in river management (21 May 2010)
	Disaster Prevention Research Team	–	3	Miyake awarded the 2009 JSCE Continuing International Contribution Award (28 May 2010)
	International Technical Exchange Team	–	4	Brazilian delegation visits ICHARM (24–25 May 2010)
	Disaster Prevention Research Team	–	4	ICHARM signs MoU with TDMRC (21 June 2010)
Capacity Development	International Technical Exchange Team	–	5	Accepting applications for Ph. D. Disaster Management Program 2011
	International Technical Exchange Team	–	5	Master’ s course update
Research	Hydrologic Engineering Research Team	–	6	Introduction of “IFAS” (No.5) Result Display
	Hydrologic Engineering Research Team	–	7	IFAS Training Workshop (India, 12–15 May 2010)

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Special Topics	ICFM5 Secretariat at ICHARM	–	2	Call for abstract on 5th International Conference on Flood Management (ICFM5) (Tsukuba, Japan, 27–29 September 2011)
	ICHARM	–	3	International Symposium “Floods – A global problem that needs local solutions” is held (Tokyo, Japan, 28 September 2010)
	ICHARM	–	4	ICHARM Action Plan 2010–2012
Capacity Development	International Technical Exchange Team	–	6	Report on the 2009–2010 M.Sc. Program “Water-related Disaster Management Course of Disaster Management Policy Program”
	International Technical Exchange Team	–	7	New Ph.D. Program is launched and M.Sc. Program starts its 4th year
	Hydrologic Engineering Research Team	–	7	IFAS seminar in Myanmar (Myanmar, 22–24 June 2010)
Information Networking	IFI Secretariat at ICHARM	–	8	Fifth IFI Advisory Committee meeting (ICHARM, Japan, 30 September 2010)
	HelpDesk secretariat Flood	–	8	Introduction of notable initiative in Flood Management
	Disaster Prevention Research Team	–	9	UNESCO science mission to Pakistan (Pakistan, 23–26 August 2010)
Research	Hydrologic Engineering Research Team	–	10	IFAS FAQ

Volume5, No.4, Issue No.19, January 2011

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Special Topics & Events	ICFM5 Secretariat at ICHARM	–	2	5th International Conference on Flood Management (ICFM5) (Tsukuba, Japan, 27–29 September 2011)
	International Technical Exchange Team	–	3	UNESCO Evaluation Team Visits ICHARM (ICHARM, 13–14 January 2011)
Information Networking	Hydrologic Engineering Research Team	–	3	ICHARM holds special session at the 5th APHW conference (Hanoi, Vietnam, 8–10 November 2010)
	Disaster Prevention Research Team	–	4	ADB project update
	Disaster Prevention Research Team	–	5	ICHARM and UN/ESCAP Co-organizes Workshop on Space Application to Reduce Water-related Disaster Risk in Asia (Bangkok, Thailand, 7–9 December 2010)
	ICHARM	–	6	Governmental Policy-Oriented Discussions in Washington D.C. (Washington D.C., U.S., 30 November–1 December 2010)
Capacity Development	International Technical Exchange Team	–	6	JFY 2010 “Local Emergency Operation Plan with Flood Hazard Map” starts 2nd year
	International Technical Exchange Team	–	7	Short course “Early warning system for flood disaster mitigation” conducted (Hanoi, Vietnam, 6–7 November 2010)
	–	–	7	IFAS FAQ
Other Topics	–	–	8	Conference on Globale Water Resources Management to be held Scotland, U.K., 20–24 June 2011
	–	–	8	Coming Events

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Special Topics & Events	–	–	2	Introduction of new ICHARM
	–	–	4	5th International Conference on Flood Management (ICFM5) will be held on schedule (Japan, 27–29 September 2011)
Research	–	–	5	The effect of observation frequency by microwave radiometers on corrected GSMaP error rate
	–	–	5	Assessment of the impact of climate change on flood disaster risk and its reduction measures over the globe and specific vulnerable areas
Information Networking	–	–	6	Progress on ADB–ICHARM jointly contributes Technical Assistance activities in Asia
	–	–	6	ICHARM visits a tsunami affected area at Oarai
Capacity Development	–	–	7	Capacity Development Training Courses

Volume6, No.2, Issue No.21, July 2011

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Special Topics & Events	–	–	2	5th International Conference on Flood Management (Tokyo, Japan, 27–29 September)
Information Networking	–	–	3	HLEP/UNSGAB urgent meeting on the Great Earthquake and Tsunami of East Japan (Tokyo, Japan, 28 April)
Research	–	–	3	PWRI undergoes outside evaluation for second medium-term goals
	–	–	4	IFAS ver. 1.3 β is available on ICHARM website
	–	–	5	Report for International Symposium of the Weather Radar and Hydrology (Exeter, U.K., 18–21 April)
	–	–	5	6th PWRI-KICT Workshop (Tsukuba, Japan, 28 June)
	–	–	5	XXV IUGG General Assembly (Melbourne, Australia, 28 June to 7 July)
Project Updates	–	–	6	Japan funds UNESCO for strengthening flood warning system and flood management capacity in Pakistan
	–	–	6	Progress on ADB-ICARM jointly contributes Technical Assistance activities in Asia
Other Topics	–	–	7	33rd ICHARM R&D Seminar by Prof. Toshio Koike of Univ. of Tokyo (ICARM, 13 April)
	–	–	7	ICARM BEST PAPER AWARD WINNER, Rabindra Osti, Ph.D., speaks at the 34th ICHARM R&D Seminar (ICARM, 21 June)

Volume6, No.3, Issue No.22, November 2011

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Special Topics & Events	Ali Chavoshian	Research Specialist	2	5th International Conference on Flood Management (Tokyo, Japan, 27–29 September)
Capacity Development	Dinar Istiyanto	Research Specialist	6	Village community based evacuation drills in Solo River Basin – Linkage with advanced forecasting system – (Solo, Indonesia, 14–17 July)
	Daisuke Kuribayashi	Senior Researcher	6	2010–2011 M.Sc. Program ends and 2011–2012 M.Sc. Program and 2011 Ph.D. Program start
Information Networking	Dinar Istiyanto	Research Specialist	7	Visit of Gadjah Mada University (ICHARM, 21 September)
Other Topics	Jei Takeuchi	Kochi National College of Technology	8	Comments from the internship students: Jei Takeuchi
	Kang Eunbi	Kyoto University	8	Comments from the internship students: Kang Eunbi
	Shin Young A	Kyoto University	9	Comments from the internship students: Shin Young A

Volume6, No.4, Issue No.23, January 2012

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Special Topics & Events	Takahiro Sayama	Senior Researcher	2	Thai Flood and its Related ICHARM Activity
Project Updates	Shigenobu Hibino	Research Specialist	3	ICHARM hold a one-day session in the ABD Water Learning Week
	Seishi Nabesaka	Senior Researcher	4	IFAS Seminars
	Daisuke Kuribayashi	Senior Researcher	4	Training Course Updates
Other Topics	–	–	6	Principal of ICHARM appointed as Vice Chair of GWP Steering Committee

Volume7, No.1, Issue No.24, April 2012

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	–
Research	Kazuhiko Fukami	Chief Researcher	2	MEXT-funded Kakushin Program Report Part 1: Project Outline and Extreme Precipitation Projection
	Akiko Hiroe	Researcher	3	Workshop on the effect of climate change in lower West Rapti river basin (Kathmandu, Nepal, 5 March)
Project Updates	Badri Shrestha, Shigenobu Hibino	Researcher, Research Specialist	3	Progress of the ADB TA 7276-REG project, “Supporting Investment in Water-Related Disaster Management”
Information Networking	Toshio Okazumi	Chief Researcher	5	The World Water Community meets at WWF6 in Marseilles, France
	Minoru Kamoto	Chief Researcher	6	44th Typhoon Committee session held in Hangzhou, China
	Minoru Kamoto	Chief Researcher	6	ICHARM, ESCAP and JAXA hold meetings for flood risk reduction in Southeast Asia
Special Topics & Events	Daisuke Kuribayashi	Senior Researcher	7	Visit of Upper House Investigation Committee

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Research	Daisuke Kuribayashi,	Senior Resercher	2	ICHARM' s Proposal Accepted as a MEXT-Commissioned Research Project
	Dinar Istiyanto	Research Specialist	2	Research on Sustainable Measures for Tsunami Disaster Prevention in Tropical Countries
Project Updates	Shigenobu Hibino	Research Specialist	4	ICHARM-ADB Joint Project Expanded to Aid More Countries
	Daisuke Kuribayashi	Senior Resercher	4	Pakistani Officials Participate in a Capacity Development Workshop on Integrated Flood Risk Management
Information Networking	Chavoshian Seyed Ali	Research Specialist	5	Iran Water and Power Development Company Delegation Visits ICHARM
	Daisuke Kuribayashi	Senior Resercher	6	The 20th Session of the IHP Intergovernmental Council Held in Paris
	Mamoru Miyamoto	Research Specialist	7	ICHARM Goes Global ~ Briefing on overseas conferences, workshops and more ~
Other Topics	Daisuke Kuribayashi	Senior Resercher	8	ICHARM Best Paper Award Goes to Takahiro Sayama
Miscellaneous	Babeth Bosma	—	8	Message from Ms. Babeth Bosma

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Research	Kazuhiko Fukami	Chief Researcher	2	MEXT-funded Kakushin Program Report Part 2: Global-scale Extreme Flood Discharge Projection
	Yoshiki Motonaga	Research Specialist	3	Development of an automatic water-discharge measurement system
	Anurak Sriariyawat	–	3	RRI model research in ICHARM (Contribution)
Capacity Development	Daisuke Kuribayashi	Senior Researcher	4	2012–2013 M.Sc. Program and 2012 Ph.D. Program starts as 2011–2012 M.Sc. Program ends
Project Updates	Mamoru Miyamoto	Research Specialist	5	Capacity Development for “Effective Flood Management in River Basins of the Philippines” (ADB project TA7276–REG)
Other Topics	Daisuke Kuribayashi	Senior Researcher	6	41st ICHARM R&D Seminar by Mr. Masahiro Imbe, Executive of ARSIT
Comments from the internship students	Kaito Zibiki	Kochi National College of Technology	7	Comments from the internship students: Kaito Zibiki
	Masato Kita	Department of Civil and Environmental Engineering, Graduate School of Engineering Hiroshima University	7	Comments from the internship students: Masato Kita

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Research	Megumi Sugimoto	Reserch Specialist	2	ICHARM Researcher Conducts Hurricane Sandy Damage Investigation
	Youngjoo Kwak	Reserch Specialist	3	MEXT-funded Kakushin Program Report Part 3: Global-scale Climate Change Impact Assessment on Flood Risk Change
	Duminda Perera	Reserch Specialist	4	MEXT-funded Kakushin Program Report Part 4: Assessment of climate change impact on the lower West Rapti River basin
Capacity Development	Daisuke Kuribayashi	Senior Researcher	5	FY2012 JICA Training Program: Capacity Development for Flood Risk Management with IFAS
	Hilton T. Hernando Hilario G. Esperanza	Assistant Weather Services Chief, PAGASA Weather Specialist, PAGASA	5	Filipino researchers visits ICHARM for training (Contribution)
Project Updates	Badri Shrestha	Researcher	7	Training on “Development and Utilization of Flood Vulnerability Indices in Cambodian Floodplain” (ADB TA 7276)

Volume 8 No. 1 Issue No. 28, April, 2013

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Project Updates	Mamoru Miyamoto Shigenobu Hibino	Research Specialist Research Specialist	2	Final Report of ADB's Technical Assistance Project Submitted
Special Event	Kelly Kibler	Research Specialist	3	International Flood Initiative Secretariat summary: United Nations Special Thematic Session on Water & Disasters
Training	Kelly Kibler	Research Specialist	4	Seminar on Sediment Hydraulics and River Management in Bangladesh
Research	Tadashi Nakasu	Research Specialist	5	MEXT-funded Kakushin Program Report Part 5: Projection of flood-risk changes in specific vulnerable areas and development of coping strategies
Information Network	Maksym Gusyev	Research Specialist	6	High-Level meeting on National Drought Policy (HMNDP)
	Minoru Kamoto	Chief Researcher	6	45th Typhoon Committee session held in Hong Kong, China
Awards	–	–	7	ICHARM Director Takeuchi Wins the International Hydrology Prize
	–	–	7	ICHARM Research Team Wins the Best Research Exchange Award in the 2013 SAT Technology Showcase
	–	–	7	ICHARM Researcher Sayama Wins the 2013 Young Scientists' Prize by MEXT Minister
Other Topics	–	–	8	IAHS Red Book "Floods: From Risk to Opportunity" IAHS Publication No. 357 (2013), ISBN 978-1-907161-35-3, 480 pages

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Special Topics	–	–	2	UNESCO and Japan Renew Partnership for ICHARM
Research	–	–	2	RRI Model Receives the 15th Infrastructure Technology Development Award 2013
	Megumi Sugimoto	Research Specialist	2	World handbook on local disaster management experiences Disaster Management Handbook Published
	Hideyuki Kamimera	Research Specialist	3	Development of a Method for Estimating Flood Damage in the Lower Mekong Basin
	Anurak Sriariyawat	–	4	Collaborative Study between Thai Researchers and ICHARM
Capacity Development	Daisuke Kuribayashi	Senior Researcher	4	Pakistani Officials Participate in a Capacity Development Workshop
	Daisuke Kuribayashi	Senior Researcher	5	Visit to Chikusei City Flood Fighting Drill
	Andrea Juarez	Research Assistant	6	Message by Andrea Juarez, ICHARM Internship Student
	Daisuke Kuribayashi	Senior Researcher	6	Study Tour to 2011 Tsunami-affected Areas along Miyagi Coast
Networking Activity	Ai Sugiura Sangeun Lee	Research Specialist	8	The 2nd Asia-Pacific Water Summit held in Chiang Mai
	Daisuke Kuribayashi	Senior Researcher	8	Lower House Members Visit ICHARM
	Daisuke Kuribayashi	Senior Researcher	9	ICHARM Signs an MOU with IWPC
	Duminda Perera	Research Specialist	9	ICHARM Special Session at the Sri Lanka-Japan Collaborative Research 2013 Conference
	Seiko Tanaka	–	10	Local High School Students Enjoy ICHARM Open Day 2013

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Research	Mamoru Miyamoto	Researcher	2	Investigation in the Pampanga River Basin
	Shun Kudo	Researcher	3	Field Survey for Flood and Drought Risk Assessment in Indonesia
	Yoshikazu Shimizu	Principal Senior Researcher	3	Field Study on Damage by the Collapse of a Natural Dam in Ambon Island, Indonesia
Special Topics	Maksym Gusyev	Research Specialist	4	Signing of the MOU at SHI and Visiting Valday Branch of SHI
Capacity Development	Badri Shrestha Hideyuki Kamimera	Researcher Research Specialist	5	ASEAN Countries Trained for Satellite-based Disaster Management
	Shun Kudo	Researcher	6	FY2013 JICA Training program: Capacity Development for Flood Risk
	Shun Kudo	Researcher	6	Educational Program Updates
	Shiro Hishinuma	Doctoral student	7	First Ph.D. Student Has Graduated
Networking Activity	Sangeun Lee Daisuke Kuribayashi Ai Sugiura	– Senior Researcher Research Specialist	8	UNESCO Strategic and High-Level Meeting on Water Security and Cooperation
Project Update	Ai Sugiura	Research Specialist	9	Pakistan Holds an International Meeting on IFAS
Other Topics	–	–	10	Research Specialist Kamimera Awarded by a Vietnamese Ministry
	Yoshikazu Shimizu	Principal Senior Researcher	10	Annual Third-party Evaluation Conducted
	Leoncio T. Tabuzo, JR.	Nagoya Univ.	11	Comment from the Internship Student

Volume8, No.4, Issue No.31, January 2014

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Research	Badri Shrestha	Researcher	2	ADB Project in Myanmar: Transformation of Urban Management (CDTA 8456)
	Atsuhiro Yorozya	Researcher	2	29th Meeting of ISO/TC 113 at Mexico
	Yoichi Iwami	Chief Researcher	3	Sentinel Asia
Capacity Development	Yusuke Yamazaki	Research Specialist	3	IFAS Training in the Philippines
	Shun Kudo	Researcher	4	Training Course Updates
	Fernandez Reynosa Rodrigo Masood Muhammad	Doctoral student Doctoral student	5	Salvadoran and Chinese Engineers Visit ICHARM
Networking Activity	Sangeun Lee	–	5	THE 2nd ISDR ASIA Partnership Meeting
	Masahiko Murase	Chief Researcher	6	14th Governing Council Meeting of APWF and the Consultation Workshop on Asian Water Information System, November 25–27, 2013 in Manila, Philippines
	Kelly Kibler	Research Specialist	7	Budapest Water Summit: The Role of Water and Sanitation in the Global Sustainable Development Agenda
	Yoshikazu Shimizu Minoru Kamoto	Principal Senior Researcher Chief Researcher	7	Typhoon Committee Integrated Workshop

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Special Event	Daisuke Kuribayashi	Senior Researcher	2	1st ICHARM Governing Board held in Tokyo
	–	–	3	ICHARM Program
Capacity Development	Kelly Kibler	Research Specialist	4	Following up on ICHARM graduates, Kuala Lumpur, Malaysia
Networking Activity	Kenzo Hiroki	Principal	5	Report on a UN special event hosted by ICHARM at UN-HQs, NY
	Mamoru Miyamoto	Researcher	6	Intermediate Joint Coordinating Committee for SATREPS in Malaysia
	Yoko Hagiwara	Research Specialist	7	1st Myanmar–Japan Disaster Management Collaboration Dialogue Workshop
	Minoru Kamoto	Chief Researcher	7	46th Session of the UNESCAP/WMO Typhoon Committee
	Duminda Perera	Research Specialist	8	9th USGS –Japan Workshop on Hydrology and Water Resources, February 18 – 20, 2014, Lakewood, CO, U.S.A.
Other Topics	Naoko Nagumo	Research Specialist	9	Field Survey for Research Project on Pre-Recovery Planning in the Pampanga River Basin of the Philippines
	Yusuke Yamazaki	Research Specialist	10	Activities in Pakistan

Category	Author	Position	Page	Contents
Message from Director	Kuniyoshi Takeuchi	Director	1	Message from Director
Research	Morimasa Tsuda	Senior Researcher	2	New IFAS (ver.2.0) is now available
	Shun Kudo	Researcher	2	Discharge Measurement Workshop in the Uono River
	Takahiro Sayama	Senior Researcher	3	Release of Flood Inundation Frequency Map in South Sudan based on MODIS Remote Sensing Analysis
Capacity Development	Mamoru Miyamoto	Researcher	3	Introduction of Auto IFAS in the Philippines (ADB TA8074-REG)
	Takashi Shirai	Chief Staff	3	Field Study at the Lake Biwa-Yodo River Basin for Master Degree Students
Networking Activity	Yoichi Iwami	Chief Researcher	4	The Central Asia Climate Knowledge Forum: Moving Towards Regional Climate Resilience
	Daisuke Kuribayashi	Senior Researcher	5	Directorate General of Water Resources Indonesia visit ICHARM
	Yoichi Iwami	Chief Researcher	5	7th Global Earth Observation System of Systems
	Daisuke Kuribayashi	Senior Researcher	5	48th ICHARM Research &Development Seminar
	Hideyuki Kamimera	Research Specialist	6	Information-Sharing Meeting with Bangladeshi Ministry of Disaster Management and Relief
	Masahiko Murase	Chief Researcher	6	21st Session of the IHP Intergovernmental Council Held in Paris
	Sangeun Lee Hisaya Sawano	Chief Researcher	7	Side Event of The 6th Asian Ministerial Conference on Disaster Risk Reduction (SE3)
Other Topics	Takashi Shirai	Chief Staff	7	Local Students Visit ICHARM Open Day 2014
	Takahiro Sayama	Senior Researcher	8	ICHARM Researchers Awarded the Best Paper Award by JSCE
	Duminda Perera	Research Specialist	9	Lecture in the Science Dialogue Program at Namiki Secondary School
	Tomohiro Tanaka	Kyoto University	9	Message from the Internship Student: Tomohiro Tanaka

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Message from Director
Message from Advisor	Kuniyoshi Takeuchi	Advisor	2	Message from Advisor
Special Event	Daisuke Kuribayashi	Senior Researcher	2	ICHARM & GRIPS hold International Symposium
Capacity Development	Takashi Shirai	Chief Stuff	4	Educational Program Updates
	Takashi Shirai	Chief Stuff	4	FY2014 JICA Training Program: Capacity Development for Flood Risk Management
	Mamoru Miyamoto Shun Kudo	Researcher Researcher	5	IFAS workshops conducted in Malaysia and Japan
	Morimasa Tsuda	Senior Researcher	5	UNESCO Pakistan project completed
Networking Activity	Ohara Miho	Senior Researcher	6	World Bank holds a public seminar on risk management
	Badri Shrestha	Researcher	7	ICFM6 held in Brazil
	Masahiko Murase Daisuke Kuribayashi	Chief Researcher Senior Researcher	8	Iranian Ambassador and RCUWM Director visited PWRI
Research	Atsuhiko Yorozuya	Senior Researcher	8	Field Observation in the Jamuna River in Bangladesh
Other Topics	Atsuhiko Yorozuya	Senior Researcher	9	ICHARM Researchers receive 16th Infrastructure Technology Development Award and PWRI Chief Executive Award
	Karanja Joseph Muiruri	United Nations University	9	Comments from the internship students: Karanja Joseph Muiruri
	Eisetsu Seki	Graduate School of Engineering, Kyoto University	10	Comments from the internship students: Eisetsu Seki

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Diversity and Resilience
Networking Activity	Kuniyoshi Takeuchi	Adviser	2	ICAHRM Advisor attends UNESCO IHP 2nd Category 2 Centres meeting
	Daisuke Kuribayashi	Senior Researcher	2	51st ICHARM R&D seminar
	Masahiko Murase	Chief Researcher	3	Vietnam IT experts visit ICHARM
	Morimasa Tsuda	Senior Researcher	3	ICHARM participates in JAXA Talk Event
	Yoshiyuki Imamura	Chief Researcher	4	Minister from Uttar Pradesh State in India visits ICHARM
	Daisuke Kuribayashi	Senior Researcher	4	ICHARM Director speaks at UNSGAB meeting
	Yoichi Iwami	Chief Researcher	5	Second joint project team meeting of Sentinel Asia Step 3
	Takahiro Sayama	Senior Researcher	5	IWA regional seminar at AIT in Bangkok, Thailand
	Yoko Hagiwara	Research Specialist	6	The Federation of Thai Industries (FTI) member companies visit ICHARM
	Masahiko Murase	Chief Researcher	7	Iranian parliamentary delegates visit PWRI / ICHARM
	Hisaya Sawano	Chief Researcher	7	ICHARM attends workshop in Myanmar
Local Practices	Yoko Hagiwara	Research Specialist	8	ADB Myanmar project launched
Capacity Development	LIU Tong	Research Specialist	8	ASEAN countries trained for IFAS
	Takashi Shirai	Chief Staff	9	M.Sc. students field tour
	Nikola Zlatanovic	–	10	Contribution by former M. Sc. student on flood in Serbia
Research	Shun Kudo, Hideyuki Kamimera	Researcher, Research Specialist	11	River flow observation and house survey in Lower Mekong Basin
	Anne Gädeke	BfG (Federal Institut of Hydrology Germany)	12	Message from a Visiting Researcher: Anne Gädeke

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	The Sendai framework and the role of science and technology
Special Event	Daisuke Kuribayashi	Senior Researcher	2	3rd UN World Conference on Disaster Risk Reduction in Japan
Information Networking	Kuniyoshi Takeuchi	Advisor	6	Advisor's activities
	Masahiko Murase	Chief Researcher	7	Visit by delegates from Asian countries
	Yoshio Tokunaga	Chief Researcher	7	47th session of the Typhoon Committee in Thailand
	Daisuke Kuribayashi	Senior Researcher	8	Visit to Ministry of Public Works and Housing, Indonesia
	Minoru Kamoto	Chief Researcher	9	Visit by Afghan officials of Ministry of Energy and Water
	Morimasa Tsuda	Senior Researcher	9	PAGASA-UNESCO seminar in the Philippines
	Masahiko Murase	Chief Researcher	10	Visit by Ethiopian professor
	Masahiko Murase	Chief Researcher	10	Visit by officials of UNESCO headquarters in France
	Yoshio Tokunaga	Chief Researcher	11	Visit by Negeri Lima mayor of Indonesia
	Hisaya Sawano	Chief Researcher	11	Visit by MJIT Professor of Malaysia
Local Practices	Yusuke Yamazaki	Research Specialist	12	ADB Myanmar project (TA8456) update: Training on RRI Model and Storm Surge Model
Research	Takahiro Sayama	Senior Researcher	12	Thai Hydrologist Association 2015 in Thailand
	Miho Ohara	Senior Researcher	13	Workshop on Flood Contingency Planning with Evidence-based Simulation in the Philippines
	Youji Chida	Principal Senior Researcher	14	FY2014 SOUSEI annual meeting
Training	Minoru Kamoto	Chief Researcher	14	Follow-up seminar in Indonesia
	Takashi Shirai	Chief Staff	15	Field Tour and participation in WCDRR in Japan

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	ICHARM discussed water issues at WWF7
Special Event	Yoshio Tokunaga	Chief Researcher	2	ICHARM attends the 7th World Water Forum
Information Networking	Kuniyoshi Takeuchi	Advisor	6	Advisor's activities
	Masahiko Murase	Chief Researcher	7	Visit by Thai delegates
	Takashi Shirai	Chief Stuff	7	ICHARM Open Day joined by local high school students
	Atsushi Yorozya	Senior Researcher	8	30th ISO/TC113 meeting held in Tokyo
	Masahiko Murase	Chief Researcher	8	Visit by Indonesian delegates
	Masahiko Murase	Chief Researcher	9	Visit by NAHRIM-Malaysia DG and delegates
	Minoru Kamoto	Chief Researcher	9	Visit by officer of Malaysia's Education Ministry
Local Practices	Yoko Hagiwara Yusuke Yamazaki Hisaya Sawano	Research Specialist Research Specialist Chief Researcher	9	ADB Myanmar project (TA-8456) update: Training on RRI Model and Storm Surge Model and Consultation Meeting
Research	Shinji Egashira	Research and Training Advisor	10	Workshops on sediment disasters and management in Taipei
	Maksym Gusyev	Research Specialist	11	Poster presentations at EGU 2015 on IFI Project
	Hiroshi Koseki	Research Specialist	12	Discharge measurement workshop in the Shinano River
	Tomoki Ushiyama	Research Specialist	13	International Workshop on Typhoon and Flood in Taiwan
	Youji Chida	Deputy Chief Researcher	13	Symposium on climate change impact and adaptation in water-related disasters
Training	Mamoru Miyamoto	Researcher	13	Joint training for Malaysian experts
	Mamoru Miyamoto	Researcher	14	IFAS training in Viet Nam
	Minoru Kamoto	Chief	15	Training seminar for Bhutan staff
	Minoru Kamoto	Chief	15	Visit by Afgan officers
	Takashi Shirai	Chief Stuff	15	M.Sc. Field Tours
	Narayan Gautam	–	17	Recent earthquake in Nepal (Contribution)

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Sustainable Development Goals and water-related disaster risk
Special Topic	Yoshio Tokunaga	Chief Researcher	2	ICHARM Director honored the Science Award
Information Networking	Kuniyoshi Takeuchi	Advisor	2	Advisor Takeuchi's activities
	Masahiko Murase	Chief Researcher	3	PWRI / ICHARM visit by Taiwan Vice Minister
	Hisaya Sawano	Chief Researcher	4	"Expert Meeting on Developing Indicators for Disaster Risk Reduction" and "Open-ended Intergovernmental Expert Working Group (OIEWG)"
	Hisaya Sawano	Chief Researcher	5	Workshop on Risks and Impacts on Floods from Extreme Events in ASEAN Countries
	LIU Tong	Research Specialist	5	International workshop held in Pakistan to promote evidence-based flood forecasting
	Hisaya Sawano	Chief Researcher	6	Strengthening Water Partnerships for Climate Change and Disaster Risk Management
	Morimasa Tsuda	Senior Researcher	7	SAFE prototype project in the Lower Mekong basin kicked off in Cambodia
	Yoichi Iwami	Chief Researcher	8	Conference on climate change adaption technology in Taiwan
Research	Mamoru Miyamoto	Researcher	9	Dr. Miyamoto presented with the PWRI President's Award
	Daisuke Kuribayashi	Senior Researcher	9	52nd and 53rd ICHARM R&D seminars held
	Kwak Youngjoo	Research	10	UAV-assisted flood investigation in Bangladesh
	Shun Kudo	Researcher	11	Investigation conducted in the Lower Mekong Basin
	Naoko Nagumo, Miho Ohara	Research Specialist Senior Researcher	11	Field visit to flood-ravaged Joso City in Ibaraki Prefecture
	Hiroshi Koseki	Research Specialist	12	Observation of the Jamuna River
Training	Takashi Shirai	Chief Staff	13	FY2015 JICA Training Program: Capacity Development for Flood Risk Management
	Minoru Kamoto	Chief Researcher	13	Joint international summer program with Tokyo University
	Takashi Shirai	Chief Staff	14	Educational Program Updates
	Zaw Myo Khaing	–	15	Flood in Myanmar (Contribution)

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Changes in hazards and vulnerability
	Kuniyoshi Takeuchi	Advisor	2	Advisor Takeuchi's activities
Special Topic	Yoko Hagiwara	Research Specialist	3	Second United Nations Special Thematic Session on Water and Disasters in U.S.A.
	Masahiko Murase	Chief Researcher	4	ICHARM signed the MoU with the research center, NIED
	Morimasa Tsuda	Senior Researcher	4	IFAS training globally in demand
Training	Takashi Shirai	Chief Staff	6	Field trips by M. Sc. Students
	Maksym Gusyev	Senior Researcher	6	UNESCO International Workshop in Jakarta
Information Networking	Mohamed Rasmy Abdul Wahid	Senior Researcher	7	GEWEX Earth Observation for Water Cycle Science 2015 in Italy
	Daisuke Kuribayashi	Senior Researcher	7	ICHARM and RCUWM co-host a plenary session in Indonesia
	Junichi Yoshitani	Deputy Director	8	Expert Group Meeting on Regional Strategies towards Building Resilience to Disaster in Asia and the Pacific in Bangkok
	Yoshio Tokunaga	Chief Researcher	9	The 10th Integrated Workshop of the ESCAP/WMO Typhoon Committee in Malaysia
	Yoshio Tokunaga	Chief Researcher	9	2015 Symposium on Climate Change in Taiwan
	Maksym Gusyev	Research Specialist	10	APEC Climate Symposium 2015 in Philippines
	Morimasa Tsuda	Senior Researcher	10	Visit by China Institute of Water Resources and Hydropower Research
	Hisaya Sawano	Chief Researcher	11	Visit by Myanmar university delegates
	Maksym Gusyev	Research Specialist	11	The 21st International Congress on Modelling and Simulation (MODSIM) 2015
	Mohamed Rasmy Abdul Wahid	Senior Researcher	12	"JAXA/Satellite Application for Environment (SAFE) Initiative Workshop" and "Asia-Pacific Regional Space Agency Forum (APRSAF-22)" in Indonesia
	Patricia Ann Jaranilla-Sanchez	Research Specialist	13	Participation in side events of COP21 in France
	Katsuhito Miyake	Chief Researcher	14	Visit by Colombian delegates
	Masahiko Murase	Chief Researcher	14	ICHARM showed the ongoing IFI activities at the poster session during the WECC2015 in Kyoto, Japan
	Youngjoo Kwak, Masahiko Murase, Maksym Gusyev, LIU Tong, Andrea M. Juarez Lucas	Research Specialist	14	Participation in the 2015 American Geophysical Union (AGU) Fall Meeting in California, U.S.A
	Masahiko Murase	Chief Researcher	15	ICHARM contributed the UNESCO ENHANS project in South America

Volume10, No.4, Issue No.39, January 2016

Category	Author	Position	Page	Contents
Local Practices	Yoko Hagiwara	Research Specialist	16	ADB Myanmar project (TA8456) update: Interim Meeting and Workshop
Others	Tria Agustiani	Research Assistant	17	Comment from the internship student: Tria Agustiani
	–	–	17	Coming Events

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Disaster Resilience and Sustainable Development
	Kuniyoshi Takeuchi	Advisor	2	Advisor Takeuchi's activities
Special Topic	Daisuke Kuribayashi	Senior Researcher	3	2nd ICHARM Governing Board Meeting held in Tokyo
	Yoichi Iwami	Chief Researcher	6	Asian Water Cycle Symposium 2016 in Tokyo, Japan
	Hisaya Sawano	Chief Researcher	7	Flood Early Warning System" Chair: Yoichi Iwami, ICHARM Chief Researcher
	Masahiko Murase	Chief Researcher	9	End-to-End Action Plan" Presenter: Masahiko Murase, ICHARM Chief Researcher
	Katsuhito Miyake	Chief Researcher	9	ICHARM Capacity Building" Chair: Katsuhito Miyake, ICHARM then-Chief Researcher
	Masahiko Murase	Chief Researcher	10	ICHARM Director visited the President of JICA
Capacity Development	Badri Shrestha	Senior Researcher	10	Workshop on Practical Application of RRI Model in the Philippines
Information Networking	Yoichi Iwami	Chief Researcher	11	The 3rd Sentinel Asia in Sri Lanka
	Hisaya Sawano	Chief Researcher	12	Second Open-ended Intergovernmental Expert Working Group in Switzerland
	Yoshio Tokunaga	Chief Researcher	13	Typhoon Committee in Hawaii
Research	Miho Ohara	Senior Researcher	14	Evidence-Based Flood Contingency Planning in the Philippines
	Hisaya Sawano	Chief Researcher	15	Participation in 2nd Collaboration Dialogue Workshop between Indonesia and Japan on Water and Disaster Management and meeting on the SOUSEI program
	Hisaya Sawano	Chief Researcher	16	Meetings with Thai governments and experts on the SOUSEI Program
	Yoko Hagiwara	Research Specialist	17	Thailand: Consultation on the flood protection measures for the industry sector
	Hisaya Sawano	Chief Researcher	17	
	Daisuke Kuribayashi	Senior Researcher	19	54th & 55th ICHARM R&D Seminars held
	Naoko Nagumo	Research Specialist	20	Field surveys on fluvial topography and floods around the Tonle Sap Lake, Cambodia
	Katsuhito Miyake	Chief Researcher	20	Future Earth Seminar
	Duminda PERERA	Research Specialist	21	IFAS-AutoIFAS final installation and handover ceremony of Malaysia-Japan SATREPS Project
	LIU Tong	Research Specialist	22	Field survey to glaciers, glacial lakes, and wetlands of Tuni Basin in Bolivia
Local Practices	Morimasa Tsuda	Senior Researcher	23	Workshop held as part of UNESCO Pakistan Project (Phase II)
	Yoko Hagiwara, Hisaya Sawano	Research Specialist Chief Researcher	24	ADB Myanmar project (TA8456) update: Mission to Myanmar in January 2016
Awards	–	–	25	Advisor Takeuchi doubly honored
Others	Katsuichi Tadokoro	–	26	Annual Hanami lunch outing

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Education and International Aid
Advisor Takeuchi's Activities	Kuniyoshi Takeuchi	Advisor	2	Advisor Takeuchi's Activities
Special Topics	Masahiko Murase	Chief Researcher	3	22nd Session of the IHP Intergovernmental Council including IFI Side Meeting Held in Paris
Research	Morimasa Tsuda	Senior Researcher	4	JAXA-SAFE project's activities in Cambodia, Sri Lanka and Indonesia
	Abdul Wahid	Senior Researcher		
	Mohamed Rasmy	Senior Researcher		
Training	Youngjoo Kwak	Research Specialist	6	First joint workshop on flood hazard and damage assessment in Bangladesh
	Mamoru Miyamoto	Researcher	7	RRI is ready for free download
	Hitoshi Umino	Senior Researcher	7	Workshop for a UNESCO Pakistan project held in Japan
Information Networking	Takashi Shirai	Chief Staff	8	Field trip by M. Sc. Students
	Yoko Hagiwara	Research Specialist	9	The former IWRA president visits waterworks facilities in Tokyo and Ibaraki
	Seiko Tanaka	Assistant	10	ICHARM Open Day joined by local high school students
	Katsuhito Miyake	Deputy Director	11	i-WSSM delegation visited ICHARM
	Yoshio Tokunaga	Chief Researcher	12	Typhoon Committee holds an annual workshop in Ulsan, Korea
	Hisaya Sawano	Chief Researcher	13	Expert consultation by FAO in Italy
	Hisaya Sawano	Chief Researcher	13	Open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction: Informal consultations of the Chair
Local Practices	Morimasa Tsuda	Senior Researcher	14	Workshops for the UNESCO Pakistan project phase 2
	Badri Bhakta SHRESTHA	Senior Researcher	15	ADB Myanmar project (TA-8456) Update: Final Workshop and Capacity Development Training of TA-8456
	Hisaya Sawano	Chief Researcher		
Awards	Miho Ohara and Naoko Nagumo	Senior Researcher Research Specialist	18	ICHARM Researchers Awarded the Best Paper Award and Best Presentation Award by ISSS
Others	Jianning Ren	China	19	Comment from the internship student: Jianning Ren

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Flood disasters in northern Japan
Advisor Takeuchi's Activities	Kuniyoshi Takeuchi	Advisor	2	Advisor Takeuchi's Activities
Information Networking	Hitoshi Umino	Senior Researcher	3	National Institute of Technology,Oyama College visit ICHARM
	Yoichi Iwami	Chief Researcher	4	Visit by researchers of Asian Institute of Technology
	Katsuhito Miyake	Deputy Director	4	Participation in Workshop on “Fostering Collaboration between UNESCO in the Fieldand Networks towards the 2030 Agenda” in Indonesia
	Katsuhito Miyake	Deputy Director	5	Visit by the International Knowledge Centre for Engineering Sciences and Technology (IKCEST)
	Yoichi Iwami	Chief Researcher	6	Workshop on flood forecasting system operation for the Kalu Ganga River and a meeting with local organizations
	Mamoru Miyamoto	Researcher	7	Drainage Systems Asia Summit 2016 in Singapore
	Yoshio Tokunaga	Chief Researcher	8	Manila officials visit ICHARM
	Yoshio Tokunaga	Chief Researcher	8	Typhoon Committee holds an annual workshop in Seoul, Korea
	Yoichi Iwami	Chief Researcher	9	Joint effort between World Bank and ICHARM in flood early warning
Research	Youngjoo Kwak	Research Specialist	10	International Society for Photogrammetry and Remote Sensing Congress 2016
	Hiroshi Koseki	Researcher	11	International conference on fluvial hydraulics held in USA
	Yoshio Tokunaga	Chief Researcher	12	56th ICHARM R&D seminar held
Training	Takashi Shirai	Chief Staff	12	FY2016 JICA Training Program: Capacity Development for Flood Risk Management
	Yoshio Tokunaga	Chief Researcher	13	Joint international summer program with Tokyo University
	Takashi Shirai	Chief Staff	14	Educational Program Updates
Others	Andrea Mariel Juarez Lucas	Doctoral Student	15	Comments from graduated students of Ph.D. course: Andrea Mariel Juarez Lucas
	Robin Kumar Biswas	Doctoral Student	15	Comments from graduated students of Ph.D. course: Robin Kumar Biswas
	Md. Nasif Ahsan	Doctoral Student	16	Comments from graduated students of Ph.D. course: Md. Nasif Ahsan
	Michika Imaizumi	Tsukuba University	16	Comments from the summer course students: Michika Imaizumi
	Aozora Yohena	Tsukuba University	16	Comments from the summer course students: Aozora Yohena
	Shohei Furukawa	Osaka City University	16	Comments from the summer course students: Shohei Furukawa
	Youngjoon Ji	Kyungpook National University	17	Comments from the internship students: Youngjoon Ji
	Abebe Anteneh	Sophia University	17	Comments from the internship students: Abebe Anteneh Wolde
	Sarawut Jamrussri	Nagoya University	17	Comments from the internship students: Sarawut Jamrussri

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Investment and Better Cooperation between Science Entities and Private Sectors
Advisor Takeuchi's Activities	Kuniyoshi Takeuchi	Advisor	2	Advisor Takeuchi's Activities
Special Topic	Hisaya Sawano	Chief Researcher	3	ADB Myanmar project (TA-8456) Complete: for better risk management in Myanmar
	Mamoru Miyamoto	Researcher	6	HELP-IFI side event in Jakarta, Indonesia
Information Networking	Mamoru Miyamoto	Researcher	7	The Associated Programme on Flood Management (APFM) Advisory and Management Committees in Switzerland
	Miho Ohara	Senior Researcher	8	Workshop on the use of risk information regarding water-related disasters in the Philippines
	Mamoru Miyamoto	Researcher	9	Participate to UN ESCAP Training "Regional Training for Flood Forecasting in Transboundary River Basins" in Thailand
	Hisaya Sawano	Chief Researcher	10	Open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction: Informal consultations of the Chair and Third Session
	Mamoru Miyamoto	Researcher	11	UNESCO conference at Pakistan
	Katsuhito Miyake	Deputy Director	12	Visitors from Yangon Technical University
	Daisuke Kuribayashi	Senior Researcher	12	Typhoon Committee holds 11th integrated workshop in Philippines
	Miho Ohara	Senior Researcher	13	Tacloban City two years after Typhoon Haiyan
	Youngjoo Kwak	Research Specialist	14	Visitors from Ministry of Water Resources and Bangladesh Water Development Board
	Hitoshi Umino	Senior Researcher	15	Visit by international students of University of Tsukuba
	Morimasa Tsuda	Senior Researcher	16	APRSAF23 and SAFE workshop in the Philippines
	Maksym Gusyev	Research Specialist	17	Promoting water resources sustainability with isotopic techniques in countries of the Asia-Pacific Region
	Youngjoo Kwak	Research Specialist	18	Visitors from the Water Resources Department of Bihar, India
	Yoichi Iwami	Chief Researcher	18	Participation in the fifteenth session of the Commission for Hydrology of World Meteorological Organization in Italy

Volume 11, No. 4, Issue No. 43, January 2017

Category	Author	Position	Page	Contents
Research	Shinji Egashira	Research and Training Advisor	20	Characteristics of Flood and Associated Disaster in Omoto River Basin in August 2016
	Morimasa Tsuda	Senior Researcher	23	International conference on flash floods in Egypt
	Atsuhiko Yorozya	Senior Researcher	25	Field investigation and workshop in Nepal
	Tomoki Ushiyama Mohamed Rasmy Abdul Wahid	Research Specialist Senior Researcher	26	57th and 58th ICHARM R&D seminar held
Training	Takashi Shirai	Chief Staff	27	Study tour by master's program students
Others	Takashi Shirai	Chief Staff	28	Application for Ph.D. Program in Disaster Management
	–	–	28	ICHARM 10th anniversary publication
	Hyunkyo YU	Seoul National University	29	Comment from the internship student: Hyunkyo YU

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Heart admiring cherry blossoms leads to essential flood risk reduction
Special Topic	Kuniyoshi Takeuchi	–	2	Eleven years at ICHARM
	Katsuhito Miyake	Deputy Director	3	Commemorative lectures of PWRI president and ICHARM advisor
	Daisuke Kuribayashi	Senior Researcher	4	Prof. Takeuchi's last lecture and ICHARM 10th anniversary publication ceremony
International Flood Initiative (IFI)	Naoko Nagumo	Research Specialist	6	Implementation Planning Workshop on International Flood Initiative (IFI) in Asia-Pacific
	Mamoru Miyamoto	Researcher	7	The 20th Governing Council Meeting of APWF at Singapore
	Mamoru Miyamoto	Researcher	7	HELP Davao Network at the Philippines
	Naoko Nagumo	Research Specialist	8	IFI Coordinating Meeting in the Philippines
Research	–	–	9	Results of the SOUSEI program shared with participating countries
	Youji Chida	Deputy Chief Researcher	10	Annual conference on the SOUSEI program
	Katsuhito Miyake	Deputy Director	10	Meeting with RID, Thailand
	Yusuke Yamazaki	Research Specialist	11	Meeting with PMD, Pakistan
	Hisaya Sawano	Chief Researcher	11	Meeting with National Committee for Disaster Management, Cambodia
	Shun Kudo	Researcher of NILIM, Former researcher of PWRI	12	Workshop in Indonesia
	Miho Ohara	Senior Researcher	14	Questionnaire survey in Shiga Prefecture, Japan
	Daisuke Kuribayashi	Senior Researcher	14	Report on reconstruction in Tohoku after the Great East Japan Earthquake
	–	–	20	Introduction of ICHARM research projects
	Daisuke Kuribayashi	Senior Researcher	21	New approach for district-based flood risk assessment using RRI – flood diagnostic chart and flood hot spot –
	Tomoki Ushiyama	Research Specialist	22	Development of next generation flood forecasting system utilizing regional ensemble prediction system
	Maksym Gusyev	Research Specialist	23	Measuring river water tritium to estimate subsurface water transit times and volumes
	Naseer Asif	Doctoral student	24	Water Energy Budget Based Distributed Hydrological Modelling in Oi River basin with Sensitivity Analysis for Improved Calibration

Category	Author	Position	Page	Contents
Training	Yoshio Tokunaga	Chief Researcher	26	Follow-up seminar in Manila, the Philippines
	Takashi Shirai	Chief Staff	27	Field trips by M. Sc. Students
Information Networking	Morimasa Tsuda	Senior Researcher	28	The 6th Global Precipitation Measurement (GPM) Asia Workshop on Satellite Precipitation Data Utilization
	LIU Tong	Research Specialist	29	International Symposium on the Cryosphere in a Changing Climate in New Zealand
	Yoshio Tokunaga	Chief Researcher	29	The 49th Annual Session of Typhoon Committee in Yokohama
	Hisaya Sawano	Chief Researcher	31	ADB project final report submitted to the Myanmar government
	Yoichi Iwami	Chief Researcher	32	4th Joint Project Team Meeting for Sentinel Asia STEP3 (JPTM2017)
	Naoko Nagumo	Research Specialist	33	Visit by researchers from the DOST-SEI ASTHRDP in the Philippines
Others	–	–	34	ICHARM 10th anniversary publication
	Shigeyuki Senda	Assistant	35	Annual Hanami lunch
	Juyoung YANG	Yonsei University	37	Comments from internship students: Juyoung YANG
	Shohei Morisawa	Osaka Institute of Technology	37	Comments from internship students: Shohei Morisawa
	Mohammad Newaz Sharif	University of Erfurt	37	Comments from internship students: Mohammad Newaz Sharif

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Make a Preemptive Action
Special Topic	Mohamed Rasmy Abdul Wahid	Senior Researcher	2	ICHARM Disaster Relief Activities in Sri Lanka
	Tetsuya Ikeda	Chief Researcher	4	PWRI and the University of Tokyo jointly issued the press release
	Tetsuya Ikeda	Chief Researcher	5	President of the 38th UNESCO General Conference visited ICHARM
International Flood Initiative (IFI)	Morimasa Tsuda	Senior Researcher	6	Workshop on “Platform on Water-related Disaster” in Pakistan
	Hisaya Sawano	Chief Researcher	7	High Level Consultation Meeting on IFI Coordination held in Myanmar
	Naoko Nagumo	Research Specialist	8	Meeting for the Platform on Water-related Disasters in the Philippines
Research	Badri Bhakta SHRESTHA	Senior researcher	10	<Introduction of ICHARM research projects> Flood Disaster Risk Assessment in Asian Developing Countries under Climate Change Scenarios
	Duminda PERERA	Research specialist	12	<Introduction of ICHARM research projects> Climate change impact study for the Lower Mekong Basin
	Daisuke Harada	Research Specialist	13	<Introduction of ICHARM research projects> Characteristics of flood flow with riverbed deformation in mountainous valley-bottom streams
	Mahtab Mohammad Hossain	Doctoral student	14	<Introduction of ICHARM research projects> Analysis on the Best Strategy to Attain the Maximum Economic Benefits in Haor Areas in Bangladesh
	–	–	15	ICHARM individual research project: Grants-in-Aid for Scientific Research (B: 15H05136 oversea, KAKENHI)
	Young-joo Kwak	Research Specialist	15	Research Specialist Kwak visits CHMI and attends EGU2017
	Young-joo Kwak	Research Specialist	16	Research Specialist Kwak visits a hydrology institute of India and conducts a field survey in flood-damaged areas
Training and Education	Takashi Shirai	Chief Staff	17	Field trips by M. Sc. Students
	Yoshio Tokunaga	Chief Researcher	18	UNESCO Pakistan project: training for Pakistani and Afghan experts
	Shinji Egashira	Research and Training Advisor	19	Research and Training Advisor Egashira lectures at MJIT in Malaysia
Information Networking	LIU Tong	Research Specialist	20	Training workshops held in Pakistan
	Mohamed Rasmy Abdul Wahid	Senior Researcher	21	Visited by Vice chancellor of Bangladesh Agricultural University (BAU)
	Maksym Gusyev	Research Specialist	22	Workshop on “Risk-Based Hydrologic Engineering Standards” in Koblenz, Germany

Category	Author	Position	Page	Contents
Information Networking	Mohamed Rasmy Abdul Wahid	Senior Researcher	23	APRSAF/SAFE-ESCAP Meeting, Training in Bangkok, Thailand
	Yoshito Kikumori	Senior Researcher	24	CommonMP 10th Anniversary Workshop held in Tokyo
	Yoshio Tokunaga	Chief Researcher	25	Side event of the 73rd ESCAP general meeting in Thailand
	Miho Ohara	Senior Researcher	26	Global Platform for Disaster Risk Reduction held in Cancun, Mexico
	Yoshio Tokunaga	Chief Researcher	27	Chief Researcher Tokunaga attends a TC annual meeting in Korea
	Yusuke Yamazaki	Research Specialist	28	A regional workshop in Montevideo, Uruguay
Outreach	Mikiko Nakamura	Assistant	28	ICHARM Open Day 2017 held, inviting local school students
Award	Daisuke Kuribayashi	Senior Researcher	29	Senior Researcher Yorozya wins Bureau Director' s Award
	Yoshito Kikumori	Senior Researcher	30	Senior Researcher Kikumori awarded for his contributions to CommonMP
Others	Nikolaos Mastrantonas	UNESCO-IHE Institute for Water Education, Delft	31	Comments from internship students: Nikolaos Mastrantonas

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Policy & Community of Practice and Science & Technology
Coming Events	Mamoru Miyamoto	Researcher	2	ICHARM technical session to be held at World Bosai Forum
Special Topics	Daisuke Kuribayashi	Senior Researcher	3	ICHARM Director Toshio Koike elected as a member of the Science Council of Japan
International Flood Initiative (IFI)	Tetsuya Ikeda	Chief Researcher	4	Plenary Session for the Platform on Water and Disasters held in Sri Lanka – Support to establish IFI platform –
Research	Shinji Egashira	Research and Training Advisor	5	Studies on Disasters Resulted from the July 2017 Rainfall Event in Northern Kyushu
	Daisuke Kuribayashi	Senior Researcher	6	English manual for Hydrological Statistics Utility is ready by ICHARM
	Miho Ohara	Senior Researcher	8	<Introduction of ICHARM research projects> Survey on Practice of Flood Risk Communication by Real Estate Agencies in Shiga
	Young-joo Kwak	Research Specialist	8	<Introduction of ICHARM research projects> 2nd International Workshop on “Integrated flood risk and water management under climate change for disaster risk reduction”
	Yoshihiro Shibuo	Research Specialist	10	<Introduction of ICHARM research projects> User!2017 – the annual international R user and developer conference in Brussels
	Islam Md Khairul	Doctoral student	11	<Introduction of ICHARM research projects> Use of near-real-time satellite rainfall products for hydrological forecasting in the Meghna – a transboundary river basin
Training and Education	Takashi Shirai	Chief Staff	12	FY2017 JICA Training Program: Capacity Development for Flood Risk Management
	Takashi Shirai	Chief Staff	13	Educational Program Updates
Information Networking	Tetsuya Ikeda	Chief Researcher	14	Regional workshop on “Building Resilience to Climate Change Risk and Vulnerability to Meet Water Security Challenges”
	Morimasa Tsuda	Senior Researcher	15	A SAFE project by Mekong River Commission completed
	Tetsuya Ikeda	Chief Researcher	16	ICHARM’s contribution to major international conferences on water issues
	Maksym Gusev	Research Specialist	18	The International Atomic Energy Agency (IAEA) RAS/7/030 project activities: 2nd Regional Training Course (RTC) from August 14th to 18th in Sydney, Australia
	Yoshio Tokunaga	Chief Researcher	19	Sixth Annual Meeting of the Working Group for Hydrology (WGH) of the Typhoon Committee (TC) in Seoul, Korea
Others	Kaori Mamuro	Hiroshima University	21	Comments from summer course & internship students: Kaori Mamuro
	Rosalita Mejia Barde	Nagoya University	22	Comments from summer course & internship students: Rosalita Mejia Barde

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Move on to a different dimension from 10^2 to 10^3
International Flood Initiative (IFI)	–	–	2	Annual report on IFI activities in 2017
	Mamoru Miyamoto	Researcher	2	Global activities
	Mamoru Miyamoto	Researcher	4	Regional activities in Asia
	Mamoru Miyamoto	Researcher	5	Activities in each country
	Badri Bhakta Shrestha	Senior Researcher	5	2nd High Level Consultation Meeting on IFI Coordination in Myanmar
Research	Mohamed Rasmy Abdul Wahid	Senior Researcher	7	<Introduction of ICHARM research projects> The 24th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF–
	Naoko Nagumo	Research Specialist	8	<Introduction of ICHARM research projects> Sediment transport in the lower Stung Sen River owing to the backwater effect of the Lake Tonle Sap
	LIU Tong	Research Specialist	10	<Introduction of ICHARM research projects> Forecasting in the Upper Indus Basin considering snow and glacier meltwater
	Gul Ahmad Ali	Doctoral student	11	<Introduction of ICHARM research projects> Field observations in Jamuna River, Bangladesh
	Miho Ohara	Senior Researcher	12	Workshop on flood disaster response for businesses in Yokohama
Training and Education	Takashi Shirai	Chief Staff	13	Educational Program Updates
	Yoshito Kikumori	Senior Researcher	15	Hydrological Modeling Workshop for Pakistan Officials
	Yoshio Tokunaga	Chief Researcher	15	Follow-up Seminar in Myanmar
Information Networking	Yoshio Tokunaga	Chief Researcher	17	Regional cooperative expert conference in Thailand
	Maksym Gusyev	Research Specialist	17	The International Atomic Energy Agency (IAEA) activities: a mid-term progress review meeting of the Regional Cooperative Agreement (RCA) RAS/7/030 project coordinators in Colombo, Sri Lanka, November 6–10
	Tetsuya Ikeda	Chief Researcher	18	UNESCO IHP 25th Regional Steering Committee Meeting for Southeast Asia and the Pacific
	Young-Joo Kwak	Research Specialist	19	Global Technology Cooperation Forum (GT-DAY)
Information Networking	Tetsuya Ikeda	Chief Researcher	20	Global Forum on Science and Technology for Disaster Resilience 2017
	Daisuke Kuribayashi	Senior Researcher	21	A thematic session, “Water and Disasters in the Context of Climate Change – From the Mountains to the Islands–” held at the 3rd Asia-Pacific Water Summit
Local Practices	Mamoru Miyamoto	Researcher	23	Meeting on a new SATREPS project
	Atsuhiko Yorozya	Senior Researcher	23	Training on discharge observation and riverbed topography measurement

Category	Author	Position	Page	Contents
Field Survey	Yusuke Yamazaki	Research Specialist	24	Field Survey in the West Rapti River of Nepal
	Badri Bhakta Shrestha	Senior Researcher	25	Field Survey in the Sittaung River of Myanmar to Investigate Riverbank and Coastal Erosion
Others	Zhang Hongbo	Kunming University of Science and Technology	27	Comments from visiting researcher & internship students: Zhang Hongbo
	Juhyn Kim	Pukyong National University	28	Comments from visiting researcher & internship students: Juhyn Kim
	Jamila Rajabi	Kyoto University	28	Comments from visiting researcher & internship students: Jamila Rajabi

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	The passions, the interests, and the science and technology
Special Topics	Takafumi Shinya	Senior Researcher	3	3rd ICHARM Governing Board Meeting held in Tokyo
	Daisuke Kuribayashi	Senior Researcher	5	ICHARM R&D seminars held
Research	Yousuke Nakamura	Exchange Researcher	7	<Introduction of ICHARM research projects> RRI-model simulation of a flash flood in the Kagetsu River due to the northern Kyushu heavy rain in July 2017
	Akira Hasegawa	Former Research Specialist	9	<Introduction of ICHARM research projects> Meteorological drought assessment of climate projections with different GHG scenarios in the end of 21st century
	Yoshito Kikumori	Senior Researcher	11	<Introduction of ICHARM research projects> Development of Learning Support Materials for Hydrology and Hydraulics using CommonMP
	Hitoshi Umino	Senior Researcher	12	Estimation of flood damage in the upper Citarum River basin, Indonesia
Field Survey	Badri Bhakta Shrestha	Senior Researcher	14	Second Field Survey in the Sittaung River of Myanmar to Investigate Riverbank and Coastal Erosion
Information Networking	Takafumi Shinya	Senior Researcher	15	The 50th Annual Session of Typhoon Committee in Hanoi
	Miho Ohara	Senior Researcher	17	Meeting with the Philippine organization and field survey
	Tetsuya Ikeda	Chief Researcher	18	Participation in the 8th World Water Forum
International Flood Initiative (IFI)	Takafumi Shinya	Senior Researcher	20	Establishment of IFI Platform in Indonesia and discussion on "TOUGOU" Research Project
	Mamoru Miyamoto	Researcher	22	Meeting with the core organizations of the IFI Platform in the Philippines
	Tetsuya Ikeda	Chief Researcher	22	2nd Plenary Session for the Platform on Water Resilience and Disasters held in Sri Lanka
Training and Education	Takashi Shirai	Chief Staff	25	Educational Program Updates
Others	Shigeyuki Senda	Assistant	26	Annual Hanami lunch
	Maheswor Shrestha	Water Resource Division, Water and Energy Commission Secretariat (WECS), Nepal	29	Comments from visiting researchers: Maheswor Shrestha
	Seenipellage Chaminda Sugeeshwara	Irrigation Department, Sri Lanka	29	Comments from visiting researchers: Seenipellage Chaminda Sugeeshwara
	Wadu Thantrige Thilini Manodhya de Silva	Irrigation Department, Sri Lanka	30	Comments from visiting researchers: Wadu Thantrige Thilini Manodhya de Silva
	Dhammia Nishantha Karangoda	Irrigation Department, Sri Lanka	30	Comments from visiting researchers: Dhammia Nishantha Karangoda

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Science and Technology for Your Protection
Special Topics	Daisuke Kuribayashi	Senior Researcher	3	An R&D memorandum of understanding signed with Aga Town
International Flood Initiative (IFI)	Mamoru Miyamoto	Researcher	4	The 11th HELP Meeting
	Mamoru Miyamoto	Researcher	4	WMO Global Conference: Prosperity through Hydrological Services (HydroConference)
	Katsunori Tamakawa	Research Specialist	5	IFI Platform Stakeholders' Meeting in Davao, Philippine
	Tetsuya Ikeda	Chief Researcher	6	Side event "Platform on Water Resilience and Disasters" during the UNESCO-IHP Intergovernmental Council Meeting
Research	Hiroyuki Ito Tomoki Ushiyama Maksym Gusyev Yusuke Yamazaki Katsunori Tamakawa	Chief Researcher Research Specialist Research Specialist Research Specialist Research Specialist	7	Summary of the ADB Project "Evaluation of Climate Change Impacts in Hue, Ha Giang and Vinh Yen cities in Vietnam"
	Naseer Asif	Doctoral student	9	Vertical Profile of Temperature (VPT) as dynamic temperature lapse in Water and Energy Budget based Distributed Hydrological Model with Snow (WEB-DHM-S)
	Daisuke Kuribayashi	Senior Researcher	10	Visit to the Kinu River Restoration Project sites
	Hiroaki Shirai	Senior Researcher	12	<Introduction of ICHARM research projects> MR&T project: Estimating the Impact of Flood Control Infrastructure
	Ahmed Tanjir Saif	Doctoral student	14	<Introduction of ICHARM research projects> Bank Erosion processes in Estuary of Sittaung River in Myanmar
Outreach	Mikiko Nakamura	Assistant	15	ICHARM Open Day 2018 held with local school students / ICHARM Open Day 2018
Information Networking	Yosuke Tomizawa	Senior Researcher	16	The 13th Annual Meeting of the Typhoon Committee (TC) Working Group on Disaster Risk Reduction in Ulsan, Korea
	Tetsuya Ikeda	Chief Researcher	17	Participation in the Third CICHE-JSCE Joint Workshop in 2018
	Young-Joo KWAK Tomoki Ushiyama	Research Specialist Research Specialist	18	The 15th Annual Meeting of Asia Oceania Geosciences Society (AOGS)
	Tetsuya Ikeda	Chief Researcher	19	Participation in the 23rd Intergovernmental Council meeting of UNESCO-IHP and SPIC Water
	Tetsuya Ikeda	Chief Researcher	20	Participation at the Asia Ministerial Conference on Disaster Risk Reduction 2018

Volume13, No.2, Issue No.49, July 2018

Category	Author	Position	Page	Contents
Training & Education	Shinji Egashira	Research and Training Advisor	22	The Master of Disaster Risk Management course starts the second year at the Malaysia-Japan International Institute of Technology
	Tomoki Nakamura	Administer	23	Field trips by M. Sc. Students
	Hitoshi Umino Daisuke Kuribayashi Badri Bhakta Shrestha	Senior Researcher Senior Researcher Senior Researcher	25	Activity report on short-term training "Water Related Disaster Risk Reduction"
	Mamoru Miyamoto	Researcher	26	Hands-on training on RRI model in JICA short-term training
	Daisuke Kuribayashi	Senior Researcher	27	ICHARM renews its website
Others	Daisuke Kuribayashi	Senior Researcher	27	Questionnaire results on ICHARM Newsletter Vol.48

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	I never thought it would come here.
Special Topics	Naoko Nagumo	Research Specialist	3	Field surveys of the July 2018 torrential rain disaster in western Japan
International Flood Initiative (IFI)	Yosuke Tomizawa	Senior Researcher	5	Discussion on establishment of IFI Platform and “TOUGOU” research program in Indonesia
	Hirosato Yoshino	Senior Researcher	6	Practitioners Meeting on the Platform on Water Resilience and Disasters in Myanmar
Research	Katsunori Tamakawa	Research Specialist	7	<Introduction of ICHARM research projects> Investigation of improving AMSR2 satellite based soil moisture estimation by considering water surface effect in Cambodia
	Daisuke Kuribayashi	Senior Researcher	9	Development of an information sharing system to deliver river water-level forecasts for small- and mid-sized rivers as a PRISM Program project
	Hiroiyuki Tsutsui	Research Specialist	10	Pilot project on agriculture drought monitoring and prediction over northeastern Brazil
	Mohamed Rasmy Abdul	Senior Researcher	12	ICHARM activities on maintenance of rain gauges for flood monitoring, forecasting and early warning activities in Sri Lanka with support from JAXA and DIAS projects
	Daisuke Kuribayashi	Senior Researcher	13	ICHARM special session, “Flood Risk Management in Mountainous Areas,” held at an international conference in Morioka, Iwate
	Mikiko Nakamura	Assistant	14	62nd R&D Seminar
Training & Education	Yoshio Tokunaga	Chief Researcher	14	ICHARM's new Ph.D. program and the recruitment of new master's and Ph.D. students
	Selvarajah Hemakanth	Doctoral course student	15	Comments from new doctoral course students: Selvarajah Hemakanth
	Nguyen Van Hoang	Doctoral course student	16	Comments from new doctoral course students: Nguyen Van Hoang
	Osamu Itagaki	Doctoral course student	16	Comments from new doctoral course students: Osamu Itagaki
	Tomoki Nakamura	Administer	16	Educational Program Updates
	Naseer Asif	Doctoral course student	17	Comments from graduated students of Ph.D. course: Naseer Asif

Category	Author	Position	Page	Contents
Training & Education	Mahtab Mohammad Hossain	Doctoral course student	18	Comments from graduated students of Ph.D. course: Mahtab Mohammad Hossain
Information Networking	Atsuhiko Yorozya	Senior Researcher	18	UNESCO Pakistan Project: International training on river discharge and sediment transport assessment in Indonesia
	Tetsuya Ikeda	Chief Researcher	19	Side Event “Hydrology Towards Sustainable Resilient Societies” at the United Nations High-Level Political Forum on Sustainable Development
	Young-Joo KWAK	Research Specialist	21	Overseas Academic Investigation: Model Development for Forecasting Flood Risk of Large Rivers in consideration of Climate Change and Socioeconomic Scenario
	Tetsuya Ikeda	Chief Researcher	23	Participation in the kick-off symposium of UNESCO Chair WENDI
	Maksym Gusyev	Research Specialist	24	International Atomic Energy Agency (IAEA)/Regional Cooperation Agreement (RCA) RAS/7/030 Project activities in Indonesia and China
	Mamoru Miyamoto	Researcher	25	WMO/GWP APFM annual meeting
	Tetsuya Ikeda	Chief Researcher	26	Participation in the Stockholm World Water Week
	Yoshiyuki Imamura	Director for Special Research	27	WWDR2020 Development Workshop
	Hisaya Sawano	Deputy Director	28	Session on Flood Risk in Myanmar at the Korea International Water Week 2018
Others	Eric Millan Cabutaje	Nagoya University	28	Comments from internship students: Eric Millan Cabutaje
	Del Rosario Janice Cudiamat	Nagoya University	29	Comments from internship students: Del Rosario Janice Cudiamat

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Multi-layered Countermeasures against Widespread Devastat- ing Flood Disasters
Special Topics	Tetsuya Ikeda	Chief Researcher	3	Director Toshio Koike received the International Science Cooperation Award 2018 from the Chinese Academy of Science
	Tetsuya Ikeda	Chief Researcher	4	UNESCO Evaluation Mission for ICHARM's activities
	Daisuke Kuribayashi	Senior Researcher	4	ICHARM held the 63rd R&D Seminar
International Flood Initiative (IFI)	Mamoru Miyamoto	Researcher	6	11th GEOSS Asia-Pacific Symposium
Training & Education	Tomoki Nakamura	Administer	7	Educational Program Updates
	Takafumi Mochizuki	Senior Researcher	8	Hands-on training on IFAS in JICA short-term training
Research	Hiroyuki Tsutsui	Research Specialist	9	World Bank Brazil project: ICHARM technical training
	Ana Paula Martins do Amaral Cunha	Researcher of CEMADEN	10	<Special contribution> Drought monitoring and impacts assessment in Brazil: The CEMADEN experience
	Miho Ohara	Senior Researcher	12	<Introduction of ICHARM research projects> Strengthening the Capacity of Businesses in Underground Shopping Malls for Flood Prevention and Evacuation Guidance by Using an Information Sharing Application
	Islam Md. Khairul	Doctoral student	13	<Introduction of ICHARM research projects> Conducting field survey for developing reliable flood damage curves in the north-eastern part of Bangladesh
	Yosuke Tomizawa	Senior Researcher	14	Typhoon Committee 7th working group on hydrology in Tokyo and 13th integrated workshop in Chiang Mai, Thailand
Information Networking	Tetsuya Ikeda	Chief Researcher	15	Participation in the Asia Water Forum 2018 organized by Asian Development Bank
	Yoshiyuki Imamura	Director for Special Research	16	Participation in Strategic planning meeting – Hydrological systems and water scarcity section
	Mamoru Miyamoto	Researcher	16	26th UNESCO-IHP Regional Steering Committee for Asia and the Pacific
	Hisaya Sawano	Deputy Director	17	Participation in Strategic Workshop organized by i-WSSM
Field Survey	Yosuke Tomizawa	Senior Researcher	18	Field survey in the Solo river basin of Indonesia
Others	Ian Morrison	US National Weather Service, NOAA, Dept of Commerce	18	Comment from visiting scientist and internship student: Ian Morrison
	Mohammad Razaul Karim Reza	Yokohama National University (YNU)	19	Comment from visiting scientist and internship student: Mohammad Razaul Karim Reza

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Competing with Nature in Survival Skills to Out-Innovate Severe Droughts
Special Topics	Daisuke Kuribayashi	Senior Researcher	3	Special lecture, "Global trend and Japan," by Mr. Koïchiro Matsuura, the 8th DirectorGeneral of UNESCO
	Daisuke Kuribayashi	Senior Researcher	4	Joint research agreement concluded between Iwaizumi Town and ICHARM
	Daisuke Kuribayashi	Senior Researcher	5	Upper house members visit ICHARM
International Flood Initiative (IFI)	Hirosato Yoshino	Senior Researcher	5	DIAS training workshop and the 5th Disaster Management Collaboration Dialogue in Myanmar
	Mamoru Miyamoto	Researcher	7	The 3rd plenary meeting of IFI Platform in the Philippines
	Tetsuya Ikeda	Chief Researcher	8	The 3rd plenary session for the Platform on Water Resilience and Disasters in Sri
Training & Education	Satsuki Yanagihara	Assistant	9	The 12th ICHARM Follow-up Seminar in Nepal
	Tomoki Nakamura	Administer	10	Educational program updates
	Satsuki Yanagihara	Assistant	12	Recruiting missions (Nepal, Indonesia, and Myanmar)
	Mamoru Miyamoto	Researcher	14	Workshop on Flood Forecasting in RID, Thailand
Research	K. Abdulla Bava	Visiting Foreign Researcher	15	<Special contribution> Great flood of Kerala in August 2018
	Robin Kumar Biswas	Research specialist	17	<Introduction of ICHARM research projects> Sediment transport and channel changes in water related disaster prediction
Information Networking	Yosuke Tomizawa	Senior Researcher	18	Typhoon Committee-related activities (Jan – Mar 2019) -- the 51st session in China and a workshop on IFI platform in the Philippines --
	Hisaya Sawano	Deputy Director	19	Participation in THA 2019
	Tetsuya Ikeda	Chief Researcher	20	The 3rd Indo-Japan Workshop on Disaster Risk Reduction and a field trip to Kerala
Field Survey	Naoko Nagumo	Research specialist	22	The 3rd field survey in the Sittaung River of Myanmar to investigate riverbanks and coastal erosion
	Naoko Nagumo	Research	23	Field surveys in the lower Stung Sen and Stung Staung Rivers in Cambodia
Others	Mikiko Nakamura	Assistant	24	Annual hanami lunch
	Soe Soe Tun	Kobe University	25	Comments from internship students: Soe Soe Tun
	Tosho Sen	Osaka Institute of Technology	26	Comments from internship students: Tosho Sen

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Facilitator – an ace in the hole for water-related disaster risk reduction
International Flood Initiative (IFI)	Naoko Nagumo	Research Specialist	3	Launch of a real-time flood forecasting system in the Pampanga River basin, Philippines
Research	Mamoru Miyamoto	Researcher	4	Activity of the SATREPS program “Regional Resilience Enhancement through Establishment of Area-BCM at Industry Complexes in Thailand”
	Daisuke Kuribayashi	Senior Researcher	5	Conduct of general experience and questionnaire of “flood simulated experience application” developed by ICHARM
	Miho Ohara	Senior Researcher	6	New research will start in the Philippines under the Science and Technology Research Partnership for Sustainable Development (SATREPS) program
	K. Abdulla Bava	Senior Research Scientist, Advanced Technology Institute	8	My experience at ICHARM as a Visiting Foreign Researcher
	Daisuke Kuribayashi	Senior Researcher	9	<Introduction of ICHARM research projects> Development of a disaster related information sharing system for municipalities (ICHARM Disaster Risk Information System: IDRIS)
	Masatoshi Denda	Senior Researcher	11	<Introduction of ICHARM research projects> Importance of natural disturbance due to floods in river ecosystem conservation
Training & Education	Yoshimasa Morooka	Researcher	12	Activity report on “Disaster Prevention Town Watching Exercise in Sakai Town” in JICA short-term training
	Tomoki Nakamura	Administer	13	Field trips by M.Sc. Students
	Leandro Galvanese Kuhlmann	Researcher B, CPRM – Serviço Geológico do Brasil	15	Action Reports from ICHARM Graduates: Leandro Galvanese Kuhlmann
Information Networking	Mamoru	Researcher	16	Presentation in the GEO Data Technology Workshop
	Tetsuya Ikeda	Chief Researcher	17	Panel on Water and Disasters at the UNESCO International Water Conference
	Maksym Gusyev	Research Specialist	18	The 15th IAEA International Symposium on Isotope Hydrology in Vienna
	Tetsuya Ikeda	Chief Researcher	19	Kick-off meeting of the 9th World Water Forum
	Tetsuya Ikeda	Chief Researcher	19	Fourth UN Special Thematic Session on Water and Disasters
	Yosuke Tomizawa	Senior Researcher	21	ICHARM held a technical session on “Water and Disasters – Toward Building Resilient Society under Climate Change –” at CECAR8
	Takafumi Mochizuki	Senior Researcher	22	UNESCO Pakistan Project
Field Survey	Yosuke Tomizawa	Senior Researcher	23	The preparatory meeting of the Platform on Water Resilience and Disasters in Indonesia and field surveys in the Solo River
Others	Mikiko Nakamura	Assistant	24	ICHARM Open Day 2019 held for local school students
	Yeji Shin	Korean Meteorological Institute under the Korean Meteorological Administration	26	Comment from internship student: Yeji Shin

Category	Author	Position	Page	Contents
Message from Director	Toshio Koike	Director	1	Quick Recovery and Grand Design for Future
Coming Events	Tetsuya Ikeda	Chief Researcher	3	ICHARM will organize a technical session at the World Bosai Forum 2019
Special Topics	Masatoshi Denda	Senior Researcher	4	Aga town Risk Information System now open for public use
International Flood Initiative (IFI)	Yosuke Tomizawa	Senior Researcher	5	The meeting for the Platform on Water Resilience and Disasters in Indonesia
	Katsunori Tamakawa	Research Specialist	7	Training on climate change prediction model analysis and rainfall-runoff-inundation model in Sri Lanka
	Hiroyuki Tsutsui	Research Specialist	8	Activity report on the World Bank Brazil project
Research	Mamoru Miyamoto	Researcher	9	Participation in the 27th IUGG General Assembly
	Mohamed Rasmy Abdul Wahid	Senior Researcher	10	Participation in the 16th Annual Meeting of the Asia Oceania Geosciences Society (AOGS)
	Tomoki Ushiyama	Research Specialist		
	Yoshimasa Morooka	Researcher	11	<Introduction of ICHARM research projects> Investigation of risk communication tools that encourage residents to evacuate at floods
	Tomoki Nakamura	Administer	13	Educational Program Updates
Training & Education	Gul Ahmad Ali	Doctoral student	15	Comments from graduated students of Ph.D. course: Gul Ahmad Ali
	Islam Md. Khairul	Doctoral student	15	Comments from graduated students of Ph.D. course: Islam Md. Khairul
	Samuel Joseph Gama	Principal Mitigation Officer, Office of the Vice President, Department of Disaster Management Affairs –	16	Action Reports from ICHARM Graduates: Samuel Joseph Gama
Information Networking	Maksym Gusyev	Research Specialist	18	Kick-off meeting of the project on water related disaster reduction platform to enhance resilience to climate change in Africa
	Katsunori	Research Specialist	19	Participation in Stockholm World Water Week 2019
	Tetsuya Ikeda	Chief Researcher	20	Participation in “Expert Dialogue on Scaling Up Regional Cooperation in Multi-Hazard Early Warning Systems in Asia-Pacific with a focus on flood and drought” by UNESCAP
	Hiroyuki Ito	Chief Researcher	21	Participation in the Panel on Tropical Cyclones (PTC) for the Bay of Bengal and the Arabian Sea
Public Relations	Tetsuya Ikeda	Chief Researcher	23	Children experience a VR-created flood at Tsukuba Kid Scientists Festival 2019
Others	Yoshimasa Morooka	Researcher	24	Comment from internship student: Jiyong Bae
	Jiyong Bae	Korea Meteorological Administration	24	

Category	Author	Position	Page	Contents
Message from Director	KOIKE Toshio	Director	1	Flood governance and investment in response to climate change
Special Topics	KIKUMORI Yoshito	Senior Researcher	3	ICHARM Director given the Chinese Government Friendship Award and AOGEF Fellow
	NAGUMO Naoko MOROOKA Yoshimasa EGASHIRA Shinji	Research Specialist Researcher Research and Training Advisor	3	Field Surveys of disaster damage by the torrential rainfall due to Typhoon No.19 (Hagibis)
	MIYAMOTO Mamoru	Researcher	6	The Workshop, "Orientation on Climate Change", held in Davao City, the Philippines
Research	MIYAMOTO Mamoru	Researcher	8	ICHARM held an AWCI session at the 12th AOGEF Symposium
	HARADA Daisuke	Research Specialist	9	11th River, Coastal and Estuarine Morphodynamics Symposium, RCCE 2019
	MIYAMOTO Mamoru	Researcher	10	<Introduction of ICHARM research projects> Development of IFAS Calibrator
Training & Education	NAKAMURA Tomoki	Administer	11	Educational Program Updates
	KAKINUMA Daiki	Research Specialist	13	Hands-on training on RRI in JICA short-term training
	Myo Myat Thu	Deputy Staff Officer, Assistant Forecaster in River Forecasting Section, Department of Meteorology and Hydrology under the control of the Ministry of Transport and Communications, Myanmar	14	Action Reports from ICHARM Graduates: Myo Myat Thu
Information Networking	Maksym Gusev	Research Specialist	15	The International Atomic Energy Agency (IAEA) activities: the Regional Cooperative Agreement for Asia and Pacific (RCA) final meeting of RAS/7/030 project
	TOMIZAWA Yosuke	Senior Researcher	16	Typhoon Committee 8th meeting of working group on hydrology in Seoul, ROK and 14th integrated workshop in Guam, USA
	TOMIZAWA Yosuke	Senior Researcher	17	ICHARM held a technical session and a poster presentation at the World BOSAI Forum 2019
	IKEDA Tetsuya	Chief Researcher	18	Participation in the 27th UNESCO-IHP Regional Steering Committee Meeting for Asia and the Pacific
Others	Mohamed Hamatan	AGRHYMET Regional Center	19	Comments from visiting researchers: Mohamed Hamatan
	Salifou Dene	Volta Basin Authority (VBA)	19	Comments from visiting researchers: Salifou Dene

Category	Author	Position	Page	Contents
Message from Executive	KOIKE Toshio	Executive Director	1	Think over “The last-mile challenge” again
Special Topics	IKEDA Tetsuya	Director for Special Research	3	Revised agreement on ICHARM between the government of Japan and UNESCO has been signed
International Flood Initiative (IFI)	TOMIZAWA Yosuke	Senior Researcher	4	“Orientation seminar on climate change adaptation” held in Surakarta City, Indonesia
	Mohamed Rasmy Abdul	Senior Researcher	5	Fourth Plenary Session of the Platform on Water Resilience and Disasters under IFI in Sri Lanka
Research	KAKINUMA Daiki	Research Specialist	6	<p>〈Introduction of ICHARM research projects〉</p> <p>A study on improvement of RRI-model reproducibility and efficiency for flood forecasting in small mountainous river basins</p>
Training & Education	NAKAMURA Tomoki	Administer	8	Educational Program Updates
	WASHIO Yoichi	Senior Researcher	10	The 13th ICHARM Follow-up Seminar was held in Colombo, Sri Lanka, on February 12 and 14, 2020.
Information Networking	IKEDA Tetsuya	Director for Special Research	12	ADB-ICHARM Policy Dialogue Water-related Disaster Resilience under Climate Change
	Mohamed Rasmy Abdul	Senior Researcher	13	100th AMS Annual Meeting 2020 in Boston, USA
Field Survey	NAGUMO Naoko	Research Specialist	13	Fourth Field Survey in the Sittaung River of Myanmar to Investigate Riverbanks and Coastal Erosion
Others	Hendra Ramdhani	the University of Tokyo	15	Comments from internship students: Hendra Ramdhani
	Chung Sarit	—	15	Comments from internship students: Chung Sarit
	MOROOKA Yoshimasa	Researcher	16	Video clip posted: people experiencing a virtual flood using VR goggles
Editor’s Note	IKEDA Tetsuya	Director for Special Research	19	Editor’s Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	An interface between science and decision making
Special Topics	TOMIZAWA Yosuke	Senior Researcher	3	4th ICHARM Governing Board Meeting was held
	OHARA Miho	Senior Researcher	4	Publication of Collection of Critical Situations during Flood Emergency Response
	—	—	5	ICHARM's efforts for addressing flood disasters considering the prevention of
	KOIKE Toshio	Executive Director	7	(1) Toward the establishment of research, education, and international networking in a new-normal era
	OHARA Miho	Senior Researcher	9	(2) Use of Collection of Critical Situations during Flood Emergency Response (Appendix: local government response under COVID-19)
	DENDA Masatoshi	Senior Researcher	11	(3) Collaboration between the IDRIS disaster information sharing system and the BOSS-SHIFT disaster response support system
	IKEDA Tetsuya	Director for Special Research	12	(4) ICHARM's contribution to international communities on flood disaster risk reduction considering the prevention of COVID-19 infection
Research	YOSHITANI Junichi	Professor, Water Environment and Civil Engineering, Faculty of Engineering, Shinshu University / Leader, Chubu & Hokuriku Region 2019 Typhoon No.19 Heavy Rain Disaster Investigation Team, Committee on Hydrosience and Hydraulic Engineering, Japan Society of Civil Engineers	14	<Special contributions on flood disasters due to Typhoon Hagibis in 2019> Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River
	KONAMI Takahiro	Director, Fukushima River and National Highway Office, Ministry of Land, Infrastructure, Transport and Tourism of Japan	16	<Special contributions on flood disasters due to Typhoon Hagibis in 2019> Formulation of the Abukuma River Integrated Flood Management Project after a severe flood by Typhoon Hagibis in 2019
	HARADA Daisuke	Research Specialist	18	<Introduction of ICHARM research projects> Characteristics of flood flow with a large amount of sediment -On the
	OHARA Miho	Senior Researcher	20	Casualties of flood disasters during the recent three years in Japan

Category	Author	Position	Page	Contents
Training & Education	MIYAZAKI Rvosuke	Chief Staff	21	Updates on the daily life of master's students: What DMP students are feeling and tackling amid the COVID-19 outbreak
	Karina Vink	Postdoctoral Researcher, University Twente, Faculty of Engineering Technology (ET), Department of Civil Engineering, Enschede,	21	Action Reports from ICHARM Graduates: Karina Vink
	IKEDA Tetsuya TOMIZAWA Yosuke	Director for Special Research Senior Researcher	23	ICHARM provided e-learning lectures to Indonesia Defense University
Editor's Note	MOROOKA Yoshimasa	Researcher	26	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Disaster resilience and sustainable development
Special Topics	MOROOKA Yoshimasa	Researcher	3	Field survey of the July 2020 torrential rain disaster
	FUJIKANE Masakazu	Chief Researcher	5	Briefing session on a trial experiment of the "Support System on Countermeasures for Severe Flood Damage under the Risk of COVID-19"
Research	EGASHIRA Shinji	Research and Training Advisor	6	Seeing is believing – A practice task for a Ph.D. student has developed into global scale research on sediment transport –
	AHMED Tanjir Saif	Doctoral student	8	Numerical study on tidal currents and bed morphology in Sittoung river estuary, Myanmar
	EGASHIRA Shinji	Research and Training Advisor	10	On the 13th graduation of the ICHARM master's program students
	ISLAM Md Masbahul	Master's student	11	A NUMERICAL STUDY ON BANK EROSION OF A BRAIDED CHANNEL: CASE STUDY OF THE "TANGAIL AND MANIKGANJ DISTRICTS ALONG THE BRAHMAPUTRA RIVER"
	RAHMAN Md Shahinur	Master's student	11	STUDY ON FLOW PATTERN AND ASSOCIATED BED DEFORMATION IN THE OFF-TAKE REGION OF GORAI RIVER, BANGLADESH
	PHUNTOSHO Tashi	Master's student	12	COMPREHENSIVE EVALUATION OF FLOOD MITIGATION MEASURES BASED ON CLIMATE CHANGE IMPACT ASSESSMENT IN THE WANGCHU BASIN
	DORJI Nima	Master's student	12	ASSESSMENT OF WATER RESOURCES UNDER CHANGING CLIMATE FOR EFFECTIVE HYDROPOWER AND AGRICULTURE PRODUCTIONS IN PUNA TSANGCHHU BASIN, BHUTAN
	SILVA ARAUJO Rafael	Master's student	13	FLOOD IMPACT ASSESSMENT IN THE ITAPOCU RIVER BASIN, BRAZIL
	MARTINS AMENO Herman Ziyang	Master's student	13	HAZARDOUS AREA RESULTING FROM TAILINGS DAM FAILURE
	Khin Si Si Hlaing	Master's student	14	DEVELOPING AN INTEGRATED WATER RESOURCES MANAGEMENT PLAN FOR CHINDWIN RIVER BASIN UNDER CHANGING CLIMATE
	Tin Aung Win	Master's student	14	ANALYZING RIVER MORPHOLOGICAL CHANGES AND FORMULATING NO REGRET STRUCTURAL MEASURES IN CHINDWIN RIVER
	MAHARJAN Kapil	Master's student	15	NUMERICAL STUDY FOR INFLUENCES OF FLOW DIVERSION ON CHANNEL MORPHOLOGY CASE STUDY OF BAGMATI RIVER, CENTRAL NEPAL

Category	Author	Position	Page	Contents
Research	MAHARJAN Mahesh	Master's student	15	MORPHOLOGICAL STUDY OF KOSHI RIVER AT CHATARA AND ITS INFLUENCE ON INTAKE OF SUNSARI MORANG IRRIGATION PROJECT, NEPAL
	FARIAL Khawar	Master's student	16	CLIMATE CHANGE IMPACT ASSESSMENT ON THE FLOOD RISK CHANGE IN KECH RIVER, TURBAT BALOCHISTAN, PAKISTAN
	ICHARM master's program students	Master's student	16	Comments from ICHARM master's program students
	Ralph Allen Acierto	Research Specialist	17	<Introduction of ICHARM research projects> Dynamic downscaling of climate change projections for basin-scale impact assessment
Training & Education	MIYAZAKI Ryoike	Chief Staff	19	Educational program updates
	Salifou Dene	Volta Basin Authority, VBA	22	Comments from visiting researchers: Salifou Dene
Information Networking	IKEDA Tetsuya	Director for Special Research	23	ICHARM's contribution to the international network activities under the COVID-19 pandemic
	OHARA Miho	Senior Researcher	25	Contribution to the International Online Conference to Address Water-related Disaster Risk Reduction (DRR) under the COVID-19 Pandemic
Miscellaneous	Tha Pisey	—	26	Comments from internship students: Tha Pisey
Editor's Note	TOMIZAWA	Senior Researcher	28	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Co-response to a challenge
Special Topics	IKEDA Tetsuya	Director for Special Research	3	ICHARM Executive Director KOIKE Toshio was given the 2020 GEO Individual Excellence Award
	KOIKE Toshio	Executive Director	4	Science Council of Japan recommends the promotion of disaster resilience and E-learning training course framework applied in West African countries under the “Water disaster platform to enhance climate resilience in Africa (WADiRE-Africa)” project
Research	Maksym Gusev	Research Specialist	5	E-learning training course framework applied in West African countries under the “Water disaster platform to enhance climate resilience in Africa (WADiRE-Africa)” project
	KAKINUMA Daiki AIDA Kentaro	Research Specialist Research Specialist	7	Myanmar-Agriculture Development Support Project: Technical Support in Flood Simulation for Downstream Areas of the Swa Chaung Dam
	OHARA Miho	Senior Researcher	9	Use of “Collection of Critical Situations during Flood Emergency Response”
	MOROOKA Yoshimasa	Researcher	10	ICHARM holds the 65th R&D Seminar
	SHINYA Takafumi	Deputy General Manager, Construction Department, East Japan Railway	11	<Special contribution on flood disasters risk reduction after Typhoon Hagibis in 2019> JR East’s efforts to strengthen its flood resilience
	ONUMA Katsuhiro	Chief Researcher	14	<Introduction of ICHARM research projects> Research conducted on water-related hazards: Efforts at Kanazawa University and Flood Disaster Prevention Division of NILIM
	AIDA Kentaro	Research Specialist	16	Supporting ongoing ICHARM projects by applying analytical technologies using satellite remote sensing to water-related disasters
	MIYAZAKI Ryosuke	Chief Staff	17	Educational program updates
Training & Education	Tedla Mihretab Gebretsadik	Doctoral student	19	Comments from new doctoral course students: Tedla Mihretab Gebretsadik
	Md Majadur Rahman	Doctoral student	19	Comments from new doctoral course students: Md Majadur Rahman
	Master’s student	Master’s student	20	Comments from new master’s program students
	Christian Darwin Jacob Valencia	Engineer II, Safety and Disaster Management Coordination Division, Bureau of Maintenance, Department of Public Works and Highways, Manila, Philippines	21	Action Reports from ICHARM Graduates: Christian Darwin Jacob Valencia
Information Networking	TOMIZAWA Yosuke	Senior Researcher	22	Typhoon Committee 9th meeting of working group on hydrology and 15th integrated workshop on the WEB
	MOROOKA Yoshimasa	Researcher	23	ICHARM holds the ICHARM Webinar 2020 –Interaction with Students and Young Researchers
Editor’s Note	MIYAZAKI Ryosuke	Chief Staff	25	Editor’s Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	River Basin Disaster Resilience and Sustainability by All towards Quality Growth
Special Topics	TAKEUCHI Kuniyoshi	Founding Director of ICHARM	3	Congratulations on the 15th anniversary of ICHARM
	TERAKAWA Akira	Senior Advisor, Disaster Prevention Solutions, Ltd	4	On the occasion of the 15th anniversary of ICHARM
	EGASHIRA Shinji	Research and Training Advisor	6	On vertical profile of suspended sediment concentration resulting from a magic
Research	KURIBAYASHI Daisuke	Reconstruction Agency	9	<Special contribution> Radiation risk communication by the Reconstruction Agency
	USHIYAMA Tomoki	Senior Researcher	11	<Introduction of ICHARM research projects> Development of ensemble flood forecasting and dynamic downscaling of climate models
	KAKINUMA Daiki	Research Specialist	12	Development of real-time flood forecasting system for the small and medium
	MOROOKA Yoshimasa	Researcher	13	ICHARM holds the 66th R&D Seminar
Training & Education	MIYAZAKI Ryosuke	Chief Staff	14	Educational program updates
	Malik Rizwan Asghar	Deputy Director-IT, Pakistan Meteorological Department	17	Action Reports from ICHARM Graduates: Malik Rizwan Asghar
Information Networking	TOMIZAWA Yosuke	Senior Researcher	18	Typhoon Committee – 53rd Session
	IKEDA Tetsuya	Director for Special Research	19	On the occasion of receiving the Dr. Roman L. Kintanar Award 2020 – Contribution to the Flood Hazard Mapping project of the Typhoon Committee
	MIYAMOTO Mamoru	Researcher	21	AWCI Session for the 13th AOGE Symposium
Editor's Note	YOSHINO Hirosato	Senior Researcher	23	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	End-to-End Science
Special Topics	TOMIZAWA Yosuke	Senior Researcher	3	5th ICHARM Governing Board Meeting was held
Research	HARADA Daisuke	Research Specialist	5	ICHARM session was held in the conference ICWFM2021, organized by BUET (March 30th, 2021)
	Mohamed Rasmy Abdul	Senior Researcher	5	Development of Water and Energy Budget Based Rainfall-Runoff-Inundation (WEB-RRI) Model for Integrated Water Resources Management Practices under Climate Change
	OHARA Miho	Senior Researcher	7	The kick-off meeting of HyDEPP-SATREPS in the Philippines was held online
	QIN Menglu	Research Specialist	9	<Introduction of ICHARM research projects> The effect of the transported sediment conditions from upstream area on the behavior of sediment and flood inundation in fluvial plain rivers
	NAGUMO Naoko	Research Specialist	10	<Introduction of ICHARM research projects> Geomorphic analysis on sediment transport during torrential rainfall in mountainous
	Selvarajah Hemakanth	Doctoral student	12	<Introduction of research projects by ICHARM Ph.D. students> A study on climate change adaptation and resilience strategies for optimizing benefits of the Mahaweli River Basin in Sri Lanka
	Nguyen Van Hoang	Doctoral student	14	<Introduction of research projects by ICHARM Ph.D. students> Integrated operation of reservoirs for maximizing hydropower and reducing flood risk
	ITAGAKI Osamu	Doctoral student	17	<Introduction of research projects by ICHARM Ph.D. students> Research on a method to assess the effectiveness of flood damage mitigation measures on flood risk reduction for promoting consensus building necessary to achieve River Basin Disaster Resilience and Sustainability by All
Training & Education	MIYAZAKI Ryosuke	Chief Staff	19	Educational program updates
	Herman Ameno	Lieutenant Firefighter, Military Fire Brigade of Minas Gerais, Brazil	22	Action Reports from ICHARM Graduates: Herman Ameno
Information Networking	MIYAMOTO Mamoru	Researcher	23	E-learning & Workshop for Fostering “Facilitators” in Davao City, Philippines
	IKEDA Tetsuya	Director for Special Research	25	ICHARM organized the Science and Technology Panel at the 5th UN Special Thematic Sessions on Water and Disasters
Public Relations	KOBAYASHI Hajime	Chief Researcher	26	The 12th ICHARM Open Day held online, first in its history
Miscellaneous	NAITO Kensuke	Researcher	27	ICHARM Executive Director KOIKE Toshio received FY2020 JSCE International Lifetime Contribution Award
Editor's Note	IKEDA Tetsuya	Director for Special Research	28	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Shifting the world onto a sustainable and resilient path
Special Topics	ONUMA Katsuhiro	Chief Researcher	3	ICHARM signed an MoU on joint research with WRRDC, Nepal
Research	DENDA Masatoshi	Senior Researcher	4	Cooperation agreement on the improvement of IDRIS between Tsuruoka City and ICHARM
	Shrestha Badri Bhakta	Research Specialist	5	Program of e-learning courses of HyDEPP-SATREPS
	NAITO Kensuke	Researcher		
	OHARA Miho	Senior Researcher	7	Revision and use of “Collection of Critical Situations during Flood Emergency Response”
	Shrestha Badri Bhakta	Research Specialist	8	<Introduction of ICHARM research projects> How flood-control dam operation can effectively reduce disaster risk: a case of Bago River Basin of Myanmar
	USHIYAMA Tomoki	Senior Researcher	10	On the graduation of the 14th ICHARM master’s program students
	Tevita Aho	Master’s student	11	Impact of climate change, sea-level rise in Tongatapu, Ha’apai and its effect on livelihood, Tonga
	Aye Mon Khaing,	Master’s student	12	Method for predicting the sediment runoff process due to heavy rainfall in the Yazagyo reservoir basin, Myanmar
	KOWLESSER Akshay Prakash	Master’s student	13	A study on an integrated water resources management plan under climate change for Grand River North West river basin, Mauritius
	Norain binti Osman	Master’s student	14	Flood damage inspection method for public buildings in Malaysia
	Jamyang Zangpo	Master’s student	15	Impact assessment on extreme floods due to climate and social changes in the Amochu basin, Bhutan
	Nedrup Tshewang	Master’s student	16	Assessment of integrated water resources management under climate change in Wangchu basin,
Training & Education	AHMED Farzana	Master’s student	17	A study on the morphological characteristics of Dawki-Piyan river system in Bangladesh
	MIYAZAKI Ryosuke	Chief Staff	17	Educational program updates
	John Mathias KIRIWAI	Early Warning Systems Expert , UNDRR Consultant for AUC, UNDRR Regional Office for Africa	19	Action Reports from ICHARM Graduates: John Mathias KIRIWAI
Information Networking	IKEDA Tetsuya	Director for Special Research	20	ICHARM co-organized two sessions at the Stockholm World Water Week 2021
Coming Events	IKEDA Tetsuya	Director for Special Research	21	ICHARM plans to host the ICFM9 in February 2023
	YOSHINO Hirosato	Senior Researcher	21	Announcement of ICHARM Webinar 2021 – Interaction with Students and Young Researchers –
Miscellaneous	Zhou Li	—	22	Comments from internship students: Zhou Li
Editor’s Note	KAWAMOTO Takatoshi	Senior Researcher	23	Editor’s Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Resilience to Two Risks at Two Levels
International Flood Initiative (IFI)	KAWAMOTO Takatoshi	Senior Researcher	3	E-learning & Workshops for Strengthening Water-related Disaster Resilience and Achieving Sustainable Development under Climate Change by ALL
	KAWAMOTO Takatoshi	Senior Researcher	5	ICHARM hosted the AWCI Session prior to the 14th AOGE Symposium
Research	NAITO Kensuke	Researcher	6	ICHARM held the 67th R&D Seminar
	NAITO Kensuke	Researcher	7	HyDEPP-SATREPS Project Updates: Webinar and Joint Coordination Committee (JCC)
	KAWAMOTO Takatoshi	Senior Researcher	8	<Introduction of ICHARM research projects > Japan's strategies to expand its infrastructure systems and other technologies and expertise to overseas countries
	TAMAKAWA Katsunori	Research Specialist	10	<Introduction of ICHARM research projects > Investigation of dam operations for effective flood control and hydro power generation
	MIYAZAKI Ryosuke	Chief Staff	13	Educational program updates
Training & Education	Vicente G. Ballaran Jr.	Doctoral student	15	Comments from new doctoral course students: Vicente G. Ballaran Jr.
	Sanjeewa P.B. Illangasingha	Doctoral student	15	Comments from new doctoral course students: Sanjeewa P.B. Illangasingha
	Narayan Prasad Subedi	Doctoral student	15	Comments from new doctoral course students: Narayan Prasad Subedi
	Master's program students	Master's students	16	Comments from new master's program students
	Robin Kumar Biswas	Superintending Engineer (Civil), Directorate of Planning-III Bangladesh Water Development Board	18	Action Reports from ICHARM Graduates: Robin Kumar Biswas
	MIYAMOTO Mamoru	Researcher	20	Typhoon Committee 10th meeting of Working Group on Hydrology and 16th Integrated Workshop
Information Networking	NAITO Kensuke	Researcher	21	"ICHARM Webinar 2021: Interaction with students and young researchers" was held
	IKEDA Tetsuya	Director for Special Research	22	Public symposium at National Conference for Promoting Disaster Risk Reduction 2021
	IKEDA Tetsuya	Director for Special Research	22	Participation in the 28th UNESCO-IHP Regional Steering Committee Meeting for Asia and the Pacific
Coming Events	EGASHIRA Shinji	Research and Training Advisor	23	Follow-up Seminar for ICHARM Graduates
	DENDA Masatoshi	Senior Researcher	24	The ICFM9 website is now open
Miscellaneous	KAWAMOTO Takatoshi	Senior Researcher	24	New logo of ICHARM
Editor's Note	NAITO Kensuke	Researcher	26	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Quality-oriented Society
Special Topics	FUJITA Koichi	President	3	Greeting from new PWRI President FUJITA Koichi
	KAWAMOTO Takatoshi	Senior Researcher	4	Commemorative lectures of PWRI former president
	YOSHINO Hiroato	Senior Researcher	5	ICHARM's research projects under the next medium- to long-term plans of PWRI
	MIYAMOTO Mamoru	Senior Researcher	7	Follow-up seminar for ICHARM graduates
Research	KAWAMOTO Takatoshi	Senior Researcher	9	"Integrated Research Program for Advancing Climate Models (TOUGOU)" research report of ICHARM
	NAITO Kensuke	Researcher	11	HyDEPP-SATREPS project updates: UAV training
	OKADA Tomoyuki	United Nations Department of Economic and Social Affairs	12	<Special contribution> Progress and actions towards achieving SDGs
	Maksym Gusyev	Research Specialist	14	<Introduction of ICHARM research projects> Combining hydrologic modeling with environmental isotopes to improve assessment of present and future water-related disasters in Asia
Training & Education	MIYAZAKI Ryosuke	Chief Staff	16	Educational program updates
	Md Khairul Islam	Chief Staff Officer (CSO) to Director General, Bangladesh Water Development Board	18	Action Reports from ICHARM Graduates: Md Khairul Islam
Information Networking	IKEDA Tetsuya	Director for Special Research	20	Pre-sessions for the thematic session "Water and disasters/Climate change" at the 4th Asia-Pacific Water Summit
	KAWAMOTO Takatoshi	Senior Researcher	21	The 54th Annual Session of Typhoon Committee
Coming Events	KAWAMOTO Takatoshi	Senior Researcher	21	Introduction of the 9th International Conference on Flood Management
Miscellaneous	NAITO Kensuke	Researcher	23	Results of Newsletter surveys (No. 60 – No.63)
Editor's Note	MIYAZAKI Ryosuke	Chief Staff	26	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Autonomous, decentralized and coordinated society
Special Topics	KOIKE Toshio	Executive Director	3	Report on the Kumamoto Summit: Roles of science and technology in transformation
	MOCHIZUKI Takafumi	Senior Researcher	4	Theme 1: Water and Disaster/Climate Change
	NAITO Kensuke	Researcher	5	Special Session “Showcase”
	YOSHINO Hirosato	Senior Researcher	6	Integration Session: Science and Technology
	ISHIWATARI Mikio	Board Director, Japan Water Forum	8	<Special contribution> Regional leaders pledge their commitment to the Kumamoto Declaration
	IKEDA Tetsuya	Director for Special Research	10	6th ICHARM Governing Board Meeting was held
	MIYAZAKI Ryosuke	Chief Staff	11	Malawian Ambassador to Japan visited ICHARM
	DENDA Masatoshi	Senior Researcher	12	Efforts to increase VFES’ s public availability: An experiment at Kumamoto City to test the applicability of low-cost data from a commercial 3D city model and 360° cameras
Research	NAITO Kensuke	Researcher	13	ICHARM held the 68th R&D Seminar
	Vicente G. Ballaran Jr	Research Assistant	14	The 2nd Joint Coordinating Committee Meeting of HyDEPP–SATREPS and UAV observation training for crop monitoring
	Kattia Rubi Arnez Ferrel	Research Specialist	15	<Introduction of ICHARM research projects> How does suspended sediment affect bed evolution in a suspended-load dominated river? Numerical simulations on a meandering river of the Bolivian Amazon basin
	MIYAZAKI Ryosuke	Chief Staff	17	Educational program updates
Training & Education	Mohammad Faiz Syed	Superintending Engineer, Central Water Commission, Govt. of India	19	Action Reports from ICHARM Graduates: Mohammad Faiz Syed
Coming Events	MOCHIZUKI Takafumi	Senior Researcher	21	Preparation for the 9th International Conference on Flood Management (ICFM9)

Volume17, No.2, Issue No.65, July 2022

Category	Author	Position	Page	Contents
Public Relations	UMINO Hitoshi	Research Specialist	22	ICHARM Open Day 2022 held for local school students
Miscellaneous	IKEDA Tetsuya	Director for Special Research	23	New functions for a quick search for ICHARM newsletter articles
	Pema Syldon	Graduate School of Environmental Studies, Nagoya University	23	Comments from internship students
Editor's Note	YOSHINO Hirosato	Senior Researcher	26	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Autonomous, decentralized and coordinated society
Special Topics	KURIBAYASHI Daisuke	Chief Researcher	3	Revised ICHARM Programme
	Kattia Rubi ARNEZ FERREL HARADA Daisuke	Research Specialist Research Specialist	4	Strengthening international networks: Signature of Memorandum of Understanding between ICHARM and UMSS
	MIYAMOTO Mamoru	Senior Researcher	5	ICHARM hosted the AWCI Session prior to the 15th AOGE Symposium
International Flood Initiative (IFI)	USHIYAMA Tomoki	Senior Researcher	6	Research trip to Argentina for a SATREPS project
Research	TSUTSUI Hiroyuki	Research Specialist	7	World Bank project “Capacity Building for Drought Monitoring and Planning in Pakistan under Present and Future Climates”
	Shrestha Badri Bhakta NAGUMO Naoko	Research Specialist Research Specialist	8	The second e-learning courses of HyDEPP-SATREPS
	KURIBAYASHI Daisuke	Chief Researcher	10	ICHARM joins advanced studies of climate change prediction
	NAITO Kensuke	Researcher	10	<Introduction of ICHARM research projects> Unveiling rivers in the Peruvian Andes
	MIYAZAKI Ryosuke	Chief Staf	13	Educational program updates
Training & Education	Mohamed Rasmy Abdul	Senior Researcher	15	Graduation Ceremony of the 15th ICHARM master’ s program
	Master’s students	Master’s students	16	Outline of the Master’ s thesis and comment for the course by each student
	EGASHIRA Shinji	Research and Training Advisor	29	A group from MJIT visits ICHARM
	Nikola Zlatanović	Ph.D student, Faculty of Civil Engineering, the University of Belgrade	30	Action Reports from ICHARM Graduates : Nikola Zlatanović

Volume17, No.3, Issue No.66, October 2022

Category	Author	Position	Page	Contents
Information Networking	MORI Noriyuki	Director for Special Research	31	ICHARM co-organized a session at the Stockholm World Water Week 2022
Coming Events	KURIBAYASHI Daisuke	Chief Researcher	32	Information on the 9th International Conference on Flood Management (ICFM9)
Miscellaneous	Internship students	Internship students	34	Comments from internship students
Editor's Note	MORI Noriyuki	Director for Special Research	36	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Snowy regions are 'lightful' and wet air masses are lighter
Special Topics	KURIBAYASHI Daisuke	Chief Researcher	3	The 9th International Conference on Flood Management (ICFM9)
	NAITO Kensuke	Researcher	5	Executive Director received the AGU Ambassador Award
Research	OHARA Miho	Senior Researcher	6	HyDEPP-SATREPS Philippines Project Activity Report: The 3rd Joint Coordinating Committee in Manila and Training in Japan
	Ballaran, Vicente Jr. G.	Research Assistant	7	UPLB's IdSCW First International Conference on Interdisciplinary Water Studies
	OHARA Miho	Senior Researcher	8	Training on Emergency Response for Local Government Officers by using "Collection of Critical Situations during Flood Emergency Response"
	Abdul Wahid Mohamed RASMY	Senior Researcher	9	Developing a system for the integrated management of water resources and disasters in poorly gauged basins
Training & Education	MIYAZAKI Ryosuke	Chief Staff	11	Educational program updates
	Jayasekara Sachintha	Doctoral course students	13	Comments from new doctoral course students
	Hote Hassan Haren	Doctoral course students	13	Comments from new doctoral course students
	Tuladhar Subash	Doctoral course students	13	Comments from new doctoral course students
	Rahman Md Shahinur	Doctoral course students	14	Comments from new doctoral course students
	Master's program students	Master's program students	14	Comments from new master's program students
	Norain Binti Osman	Senior Civil Engineer, Malaysia Public Work Department, PWD (Jabatan Kerja Raya Malaysia)	17	Action Reports from ICHARM Graduates: Norain Binti Osman
	KAKINUMA Daiki	Researcher	18	Hands-on training on RRI in JICA short-term training
Information Networking	KURIBAYASHI Daisuke	Chief Researcher	19	The 69th ICHARM R&D Seminar

Category	Author	Position	Page	Contents
Information Networking	MIYAMOTO Mamoru	Senior Researcher	19	The 11th Annual Meeting of Working Group on Hydrology, ESCAP/WMO Typhoon Committee
	MIYAMOTO Mamoru	Senior Researcher	20	The 1st face-to-face meeting of WMO RA II Coordination Panel for Hydrology
	MORI Noriyuki	Director for Special Research	21	Participation in the stakeholder consultation meeting and preparatory meeting of UN 2023 Water Conference
Public Relations	SHINYA Takafumi	Chief Researcher	22	ICHARM welcomed young visitors from Miyagi Prefecture Tagajo High School
Field Survey	NUMATA Shingo	Exchange Researcher	23	A field survey in Thailand
Miscellaneous	ITSUMI Yuta Sebastian Lopez Chamal Perera	the University of Tokyo, National University of Cordoba, Nagoya University	24	Comments from internship students
Editor's Note	KURIBAYASHI Daisuke	Chief Researcher	27	Editor's note

Category	Author	Position	Page	Contents
Message from Executive	KOIKE Toshio	Executive Director	1	Building Process
Special Topics	KURIBAYASHI Daisuke	Chief Researcher	3	ICFM9 held in Tsukuba and Tokyo, Japan
Research	YOSHINO Hirosato	Senior Researcher	7	Participation in a World Bank workshop in Kerala, India
	OHARA Miho	Senior Researcher	8	HyDEPP-SATREPS Philippines Project: Participation in ICFM9 and the World BOSAI Forum 2023
	MATSUKI Hirotada	Director, River Department, National Institute for Land and Infrastructure Management (Former ICHARM Deputy Director)	9	【Introduction of ICHARM research projects】 Disaster risk reduction cycle by dual governance (Local independence and interdependence)
Training & Education	MIYAZAKI Ryosuke	Chief Staff	11	Educational program updates
	Jayasekara Sachintha	Doctoral course students	13	Follow-up seminar for ICHARM graduates
	HARADA Daisuke	Research Specialist	14	Action Reports from ICHARM Graduates: Kowlessar Akshay Prakash
	Kowlessar Akshay Prakash	Land Drainage Officer (Civil Engineering) at the Land Drainage Authority, Government of Mauritius		
	Ballaran, Vicente Jr. G.	Doctoral course students		Comment from a student: My field trip experience to Tsurumi River Basin center, Japan Meteorological Agency, and Arakawa Museum of Aqua
Information Networking	KAKINUMA Daiki	Researcher	17	The 55th Annual Session of the Typhoon Committee
	MORI Noriyuki	Deputy Director	18	UN General Assembly President visits ICHARM to discuss water issues
	Tedla Mihretab Gebretsadik	Doctoral course students	19	Comments from participating doctoral course students
Public Relations	KURIBAYASHI Daisuke	Chief Researcher	20	ICHARM delivers flood workshops for local schools
	KURIBAYASHI Daisuke	Chief Researcher	21	Public symposium “Can you survive unexpected floods?”
Field Survey	NAGUMO Naoko	Research Specialist	23	Field surveys in the lower Stung Sen River in Cambodia
Miscellaneous	MIYAZAKI Ryosuke	Chief Staff	24	Annual Hanami lunch
	Livia Lahat	Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia	25	Comments from internship students
Editor's Note	NAITO Kensuke	Researcher	29	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive	KOIKE Toshio	Executive Director	1	Bandung Spirit
Special Topics	NAGUMO Naoko	Research Specialist	3	Hosting the Science and Technology Panel in the 6th UN Special Thematic Session on Water and Disasters
	KURIBAYASHI Daisuke	Chief Researcher	5	ICHARM's action commitment "Water Cycle Integrator" globally known through the UN 2023 Water Conference
	KURIBAYASHI Daisuke	Chief Researcher	8	ICHARM participated UNESCO's international conference and organized a side event
	FUJIKANE Masakazu	Chief Researcher	10	ICHARM presented with the Minister of Land, Infrastructure, Transport and Tourism Award for its master's program
International Flood Initiative (IFI) Education	Ralph Allen Acierto	Research Specialist	12	Development of OSS-SR for Digos City
	NAITO Kensuke	Researcher		
	Ralph Allen Acierto	Research Specialist	13	Online Synthesis System Training in Davao
	NAITO Kensuke	Researcher		
Research	MIYAMOTO Mamoru	Senior Researcher	13	Plenary Meeting of Platform on Water Resilience and Disasters in the Philippines
	KAKINUMA Daiki	Researcher	14	Davao City Water Summit in the Philippines
	KURIBAYASHI Daisuke	Chief Researcher	15	The 70th ICHARM R&D Seminar
	NAITO Kensuke	Researcher	16	RRI model training and a conference in Tlemcen, Algeria
Training & Education	DENDA Masatoshi	Senior Researcher	17	【Introduction of ICHARM research projects】 Possibility of VR-driven risk communication as a water-related disaster education
	FUJIKANE Masakazu	Chief Researcher Chief Staff	19	Educational program updates
Information Networking	FUJIKANE Masakazu	Chief Researcher	21	Memorandum of Understanding on Research Cooperation with IHE Delft extended
	KAKINUMA Daiki	Researcher	22	Participation in meetings of the Advisory Working Group and the Working Group on Disaster Risk Reduction under the framework of Typhoon Committee
Public Relations	UMINO Hitoshi	Research Specialist	23	ICHARM Open Day 2023 held for local school students
	KURIBAYASHI	Chief Researcher	24	Joint forum with GRIPS on social infrastructure comprehensive management
Miscellaneous	Marina Lagos	the University of Buenos Aires	26	Comments from internship students
Editor's Note	MITSUHASHI Hisash	Director for Special Research	28	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Coevolution of sound water use and resilience to water-related disasters
Special Topics	KURIBAYASHI Daisuke	Chief Researcher	3	7th ICHARM Governing Board Meeting
Research	NAGUMO Naoko, AIDA Kentaro, QIN Menglu, Ballaran Vicente Jr.	Research Specialist, Research Specialist, Research Specialist, Research Assistant	5	HyDEPP-SATREPS Project updates
	USHIYAMA Tomoki	Senior Researcher	10	Argentine researchers of SATREPS project visited Japan and PWRI
	KAKINUMA Daiki	Researcher	11	Development of a new GUI for the RRI model with enhanced domestic-data
	TSUTSUI Hiroyuki	Research Specialist	12	【Introduction of ICHARM research projects】 Research on drought in Panama
	Tedla Mihretab Gebretsadik	Doctoral student	14	【Outline of the Doctoral thesis and comment for the course by each student】 A STUDY ON AN INTEGRATED WATER RESOURCES MANAGEMENT PRACTICE FOR SUSTAINABLE TRANSBOUNDARY RIVER BASIN DEVELOPMENT
	Md Majadur Rahman	Doctoral student	16	【Outline of the Doctoral thesis and comment for the course by each student】 STUDY ON SEDIMENT RUNOFF AND MORPHOLOGICAL CHANGES IN THE SANGU RIVER BASIN, BANGLADESH
Training & Education	FUJIKANE Masakazu, ONARI Rikako,	Chief Researcher, Chief Staff, Assistant	18	Educational program updates
	MIYAMOTO Mamoru	Senior Researcher	20	Graduation Ceremony of the 16th ICHARM master's program
	Master's students	–	21	Outline of the 13 theses and comment for the master's course by each student
	Sharma Gopal	Senior Divisional Engineer, Ministry of Water Resources and Energy Development, Nepal	34	Action Reports from ICHARM Graduates: Sharma Gopal
Information Networking	KAKINUMA Daiki	Researcher	36	The 12th Annual Meeting of the Working Group on Hydrology of the Typhoon Committee
Public Relations	DENDA Masatoshi	Senior Researcher	37	Kids enjoyed VFES in Tsukuba Chibikko Hakase 2023
	KURIBAYASHI Daisuke	Chief Researcher	38	First participation in ADB e-Marketplace 2023
Miscellaneous	foreign visiting researcher, internship students, and summer course students	–	39	Comments from a foreign visiting researcher, internship students, and summer course students
Editor's Note	USHIYAMA Tomoki	Senior Researcher	44	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive	KOIKE Toshio	Executive Director	1	Inherited and unchanging values
Special Topics	KURIBAYASHI Daisuke	Chief Researcher	3	Honorary Professor awarded by IWHR
Research	Ralph Allen Acierto	Research Specialist	3	HyDEPP-SATREPS Updates: Fifth Joint Coordination Committee Meeting
	NAITO Kensuke	Researcher		
	USHIYAMA Tomoki	Senior Researcher	4	SATREPS Argentine domestic research meeting
	NAITO Kensuke	Researcher	5	Contribution to the government-led SIP program in its 3rd period
	HARADA Daisuke	Research Specialist	6	【Introduction of ICHARM research projects】 Integrated analysis of water, sediment, and driftwood runoff from a basin during heavy rainfall: Development of a rainfall-sediment runoff (RSR) model
Training & Education	FUJIKANE Masakazu, ONARI Rikako	Chief Researcher, Chief Staff	7	Educational program updates
	Doctoral course students	Doctoral course students	11	Comments from new doctoral course students
	Master's program students	Master's program students	12	Comments from new master's program students
	Jamyang Zangpo	Sr. Hydrology/Meteorology Officer National Centre for Hydrology and Meteorology, Bhutan	15	Action Reports from ICHARM Graduates: Jamyang Zangpo
Information Networking	KURIBAYASHI Daisuke	Chief Researcher	16	MoC on Water Resilience and Disasters with VNMHA
	MORI Noriyuki	Deputy Director	16	30th UNESCO-IHP Regional Steering Committee
	KURIBAYASHI Daisuke	Chief Researcher	18	Visit by Dutch professionals
	KURIBAYASHI Daisuke	Chief Researcher	19	Visit by World Bank officials
	KAKINUMA Daiki	Researcher	21	The 18th Integrated Workshop and the 4th Training and Research Coordination Group Forum of the Typhoon Committee
Public Relations	MITSUHASHI Hisash	Director for Special Research	23	Outreach program about water-related disaster risk reduction for a community study group
	KURIBAYASHI Daisuke	Chief Researcher	24	Outreach program about water-related disasters for fifth-grade students
Editor's Note	ONARI Rikako	Chief Staff	27	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Two Sides of the Same Coin
International Flood Initiative (IFI)	NAITO Kensuke	Senior Researcher	3	Recent developments toward further expansion of the IFI platform project in the Philippines
	NAITO Kensuke	Senior Researcher	4	The 1st Plenary Meeting of “Platform on Water Resilience and Disasters in Thailand” in Bangkok
	TAMAKAWA Katsunori, Abdul Wahid Mohamed	Research Specialist, Senior Researcher	5	The 5th Plenary Meeting of the Platform on Water Resilience and Disasters in Sri Lanka in Colombo
Information Networking	KURIBAYASHI Daisuke	Chief Researcher	7	ICHARM held an online seminar with the World Bank
	KURIBAYASHI Daisuke	Chief Researcher	8	The DPWH delegation visited ICHARM for effective collaboration
	KAKINUMA Daiki	Researcher	9	Typhoon Committee: The 56th Annual Session
Research	Ralph Allen Acierto	Research Specialist	11	【Introduction of ICHARM research projects】 Estimating changes in probable maximum precipitation under global warming using DAD
	TAMAKAWA Katsunori, Abdul Wahid Mohamed	Research Specialist, Senior Researcher	13	Report on real-time rainfall observation and data transfer system maintenance for flood monitoring, forecasting, and early-warning activities in Sri Lanka supported by IFI, DIAS and JAXA
	NAITO Kensuke	Senior Researcher	13	HyDEPP-SATREPS Updates: Field survey gear delivered to the Philippines
Training & Education	FUJIKANE Masakazu, ONARI Rikako	Chief Researcher, Chief Staff	14	Educational program updates
	KURIBAYASHI Daisuke,	Chief Researcher, Senior Researcher	16	ICHARM held a follow-up seminar for former and current students of its graduate programs
	Erwin Rafael De Ocampo Cabral	Assistant Professor I, Department of Civil Engineering, College of Engineering, Batangas State University The National Engineering University	18	Action Reports from ICHARM Graduates: Erwin Rafael De Ocampo Cabral
Public Relations	KURIBAYASHI Daisuke	Chief Researcher	20	ICHARM Webinar FY2023 was held after a two-year gap
	KURIBAYASHI Daisuke	Chief Researcher	21	ICHARM held the 71st R&D Seminar
Coming Events	MITSUHASHI Hisash	Director for Special Research	22	The 10th World Water Forum set to go in Bali, Indonesia next May
Miscellaneous	FUJIKANE Masakazu	Chief Researcher	24	Annual Hanami lunch
Editor's Note	KURIBAYASHI Daisuke	Chief Researcher	28	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	The white peak that crowns the vast base of the mountain
Special Topics	FUKUWATARI Takashi, SHINYA Takafumi, MIYAMOTO Mamoru, TSUTSUI Hiroyuki	Director for Special Research, Chief Researcher, Senior Researcher, Research Specialist	3	Participation in the 10th World Water Forum
	KURIBAYASHI Daisuke	Chief Researcher	6	The 8th ICHARM Governing Board Meeting
International Flood Initiative (IFI)	Shrestha Badri Bhakta	Research Specialist	8	Second High-Level Meeting of the Platform on Water Resilience and Disasters in Indonesia
Information Networking	KURIBAYASHI Daisuke	Chief Researcher	10	ICHARM participated in the UNESCO C2Cs symposium
	TAKEGAWA Shinya	Researcher	13	The 26th session of the UNESCO IHP Intergovernmental Council
	QIN Menglu	Research Specialist	14	The activities of ICHARM Team at Understanding Risk Global Forum 2024 (UR24)
	TAKEGAWA Shinya	Researcher	15	Participation in meetings of the Advisory Working Group and the Working Group on Disaster Risk Reduction under the framework of the Typhoon Committee
	TAKEGAWA Shinya	Researcher	16	The 3rd Face-to-Face Meeting of the WMO Regional Association II Coordination Panel for Hydrology and 1st KIHS Workshop
Research	KURIBAYASHI Daisuke	Chief Researcher	17	<Introduction of ICHARM research projects > Progress report on the SENTAN program project in 2023
	Abdul Wahid Mohamed RASMY	Senior Researcher	22	Survey of cultural heritage damage due to historic flooding in Pakistan in 2022
	Serrano Jonathan Suba	Research Assistant	23	HyDEPP-SATREPS Updates: Training on River Flow and Agricultural Monitoring, Survey on Flood Experience and Climate Change, and the 6th JCC Meeting
Training & Education	KOBAYASHI Hajime, NAKABAYASHI Hideaki, KOBORI Kosaku	Senior Researcher, Deputy Head of General Affairs Division, Administer	24	Educational program updates
Public Relations	KOBAYASHI Hajime	Senior Researcher	27	ICHARM Open Day 2024 held for local school students
Miscellaneous	Mario Lago Benito	TU Dresden, IHE Delft, Polytechnic University of Catalonia and the University of Ljubljana	28	Comments from an internship student
Editor's Note	YAMASHITA Daiki	Researcher	31	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Climate and water resilience and sustainable development in transboundary river basins
Special Topics	TAKEGAWA Shinya	Researcher	3	Executive Director received the inaugural GEWEX Lifetime Contribution Award
Information Networking	Abdul Wahid Mohamed RASMY	Senior Researcher	3	Nile Cooperation for Climate Resilience (NCCR) Workshop in Ethiopia
	USHIYAMA Tomoki	Senior Researcher	4	Training for Sri Lanka visitors
	TAKEGAWA Shinya	Researcher	5	Young visitors from Tsinghua University, China
	USHIYAMA Tomoki, TAMAKAWA Katsunori	Senior Researcher, Research Specialist	6	Lectures for Rwandan and Paraguayan visitors
	MIYAMOTO Mamoru	Senior Researcher	6	The AWCI Session at the 16th AOGE Symposium
	TAKEGAWA Shinya	Researcher	7	Visitors from MJIT, Malaysia
	TAKEGAWA Shinya	Researcher	8	Typhoon Committee: The workshop on “Capacity Building/Knowledge Sharing in DRR”
Research	TAKEGAWA Shinya	Researcher	9	<Introduction of ICHARM research projects > Study of river channel management indicators to help determine the progression of channel bipolarization
	YAMASHITA Daiki	Researcher	11	Research trip to Argentina for a SATREPS project
	NAITO Kensuke	Senior Researcher	12	Contribution to an e-learning session held in Davao, the Philippines
		Graduating doctoral students	13	Thesis summaries and comments from graduating doctoral students
Training & Education	FUJIKANE Masakazu, NAKABAYASHI Hideaki,	Chief Researcher, Deputy Head of General Affairs Division, Administer, Assistant	18	Educational program updates
	KOBORI Kosaku, HASEGAWA Akiko			
		Graduating master's students	21	Thesis summaries and comments from graduating master's students
	HISHINUMA Shiro	Nippon Koei Co.	35	Action Reports from ICHARM Graduates
Public Relations	USHIYAMA Tomoki, KOBAYASHI Hajime	Senior Researcher, Senior Researcher	36	The first ICHARM Alumni Webinar on Meteorology
	TAKEGAWA Shinya	Researcher	38	The 72nd ICHARM R&D Seminar
Miscellaneous	Shi Feng	Graduate School of Engineering, Kyoto University	39	Comments from an internship student
	JAMAL Najeebullah	Department of Civil and Environmental Engineering of Ritsumeikan University	39	Comments from an internship student
Editor's Note	TAKEGAWA Shinya	Researcher	42	Editor's Note

Category	Author	Position	Page	Contents
Message from Executive Director	KOIKE Toshio	Executive Director	1	Trust and Risk
Information Networking	Ralph Allen Acierto	Research Specialist	3	Field observations, collaborative research meetings, and participation in global conference in Panama
	Kattia Rubi ARNEZ FERREL	Research Specialist	4	The 24th IAHR-APD Conference in Wuhan, China
	OKADA Tomoyuki	Chief Researcher	5	Seminars on water-related disaster risk management in Malawi and Zambia
	TAKEGAWA Shinya	Researcher	6	The 13th Annual Meeting of the Working Group on Hydrology of the Typhoon Committee
	OKADA Tomoyuki	Chief Researcher	7	The 31st UNESCO-IHP Regional Steering Committee Meeting for Asia and the Pacific
	TAKEGAWA Shinya	Researcher	8	Visit by water ministers from seven African countries
	TAKEGAWA Shinya	Researcher	9	ICHARM welcomed Deputy Director-General of Hydrology Department of Ministry of Water Resources, China
	DENDA Masatoshi	Senior Researcher	9	Urban Transitions 2024 (UT2024) in Spain
	MIYAMOTO Mamoru	Senior Researcher	11	Participation in Sub-Regional Meeting on Safeguarding Intangible Cultural Heritage in East Asia
	TAKEGAWA Shinya	Researcher	12	The 19th Integrated Workshop of the Typhoon Committee
	OKADA Tomoyuki	Chief Researcher	13	Discussion on flood management with the State of Rio Grande do Sul, Brazil
	OKADA Tomoyuki	Chief Researcher	14	The International Conference on Integrated Flood Management Strategy in Hong Kong
Research	MIYAMOTO Mamoru	Senior Researcher	15	<Introduction of ICHARM research projects > Creation of flood risk information contributing to business continuity management (BCM)
	QIN Menglu	Research Specialist	16	Starting a SATREPS project in the Republic of Ghana
	NAGUMO Naoko, TAMAKAWA Katsunori	Research Specialist, Research Specialist	18	A business trip to the Philippines for the HyDEPP-SATREPS Project
	NAITO Kensuke	Senior Researcher	19	RRI model training was conducted in Lima, Peru
	Shrestha Badri Bhakta	Research Specialist	20	Field survey of the September 2024 flood disaster in Nepal
	KURIBAYASHI Daisuke, DENDA Masatoshi, YAMASHITA Daiki	Chief Researcher, Senior Researcher, Researcher	22	SIP program Activity report

Category	Author	Position	Page	Contents
Training & Education		New doctoral course students	24	Comments from new doctoral course students
		New master's program students	25	Comments from new master's program students
	NAKABAYASHI Hideaki, KOBORI Kosaku	Deputy Head of General Affairs Division, Administer	27	Educational program updates
	KOBORI Kosaku	Administer	31	Mr. Sanjeewa received two awards
	John Paul Luching Lusabia	Local Government Unit – Municipality of Mambusao, Capiz, the Philippines	31	Action Reports from ICHARM Graduates
Public Relations	YAMASHITA Daiki	Researcher	34	Local students visited ICHARM
	NAGUMO Naoko	Research Specialist	35	The 73rd ICHARM R&D Seminar
Miscellaneous	TAKEGAWA Shinya	Researcher	37	Notice of IFI website URL change
Editor's Note	FUKUWATARI Takashi	Director for Special Research	38	Editor's Note