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-	1	<u>4.</u>	"The 3rd US-Japan Conference on Flood Control and Water Resources Management" (Jan.28-29, USA)	
_	-	<u>5.</u>	"The 2nd Asian Water Cycle Symposium (AWCS)" in the University of Tokyo (Jan.9-10, Tokyo, Japan)	
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_	-	<u>7.</u>	"The 8th USGS-NILIM/PWRI Workshop on Hydrology and Water Resource" (Jan.28-29, USA)	
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_	-	<u>13.</u>	OIC-Director Cabral and two officials from the Philippines visits ICHARM(Feb.8, Tsukuba, Japan)	
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	-	1	<u>3</u>	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)
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Special Topics	-	-	<u>2</u>	ICHARM Teams Up with ADB to Start a Water-related Disaster Management Project in Asia (Manila, The Philippines, 13 Nov. 2009)
& Events	_	_	<u>3</u>	ICHARM Holds Quick Reports on Floods 2009 (ICHARM, Japan, 10 Dec. 2009)
Capacity	1	-	<u>4</u>	New Training Course "Local Emergency Operation Plan with Flood Hazard Map" Launched
Development	_	_	<u>5</u>	ICHARM Launches Ph.D. Disaster Management Program in 2010
Research	1	1	<u>6</u>	Introduction of "IFAS" (No.3) BTOP Model
	_	_	<u>8</u>	Participation in "ADCPs in Action" (San Diego, U.S.A., 5-7 Oct. 2009)
Meetings & Conferences	-	-	<u>8</u>	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

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

Volume5, No.2, Issue No.17, July 2010

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

Volume5, No.3, Issue No.18, October 2010

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Message from Director	Kuniyoshi Takeuchi	Director	<u>1</u>	_
Special	ICFM5 Secretariat at ICHARM	-	<u>2</u>	Call for abstract on 5th International Conference on Flood Management (ICFM5) (Tsukuba, Japan, 27–29 September 2011)
Topics	ICHARM	-	<u>3</u>	International Symposium "Floods – A global problem that needs local solutions" is held (Tokyo, Japan, 28 September 2010)
	ICHARM	-	4	ICHARM Action Plan 2010–2012
	International Technical Exchange Team	-	<u>6</u>	Report on the 2009-2010 M.Sc. Program "Water-related Disaster Management Course of Disaster Management Policy Program"
Capacity Development	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)
	IFI Secretariat at ICHARM	-	<u>8</u>	Fifth IFI Advisory Committee meeting (ICHARM, Japan, 30 September 2010)
Information	HelpDesk secretariat Flood	-	<u>8</u>	Introduction of notable initiative in Flood Management
Networking	Disaster Prevention Research Team	-	<u>9</u>	UNESCO science mission to Pakistan (Pakistan, 23-26 August 2010)
Research	Hydrologic Engineering Research Team	-	<u>10</u>	IFAS FAQ

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

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Special Topics &	ICFM5 Secretariat at ICHARM	1	<u>2</u>	5th International Conference on Flood Management (ICFM5) (Tsukuba, Japan, 27–29 September 2011)
Events	International Technical Exchange Team	ı	<u>3</u>	UNESCO Evaluation Team Visits ICHARM (ICHARM, 13-14 January 2011)
	Hydrologic Engineering Research Team	ı	<u>3</u>	ICHARM holds special session at the 5th APHW conference (Hanoi, Vietnam, 8–10 November 2010)
Information Networking	Disaster Prevention Research Team	-	<u>4</u>	ADB project update
Networking	Disaster Prevention Research Team	-	<u>5</u>	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	ı	<u>6</u>	Governmental Policy-Oriented Discussions in Washington D.C. (Washington D.C., U.S., 30 November-1 December 2010)
Capacity	International Technical Exchange Team	1	<u>6</u>	JFY 2010 "Local Emergency Operation Plan with Flood Hazard Map" starts 2nd year
Development	International Technical Exchange Team	-	<u>7</u>	Short course "Early warning system for flood disaster mitigation" conducted (Hanoi, Vietnam, 6–7 November 2010)
	-	-	7	IFAS FAQ
Other Topics	_	_	<u>8</u>	Conference on Globale Water Resources Management to be held Scotland, U.K., 20–24 June 2011
	-	-	8	Coming Events

Volume6, No.1, Issue No.20, April 2011

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Special Topics &	-	-	<u>2</u>	Introduction of new ICHARM
Events	-	-	<u>4</u>	5th International Conference on Flood Management (ICFM5) will be held on schedule (Japan, 27–29 September 2011)
Rsearch	1	ı	<u>5</u>	The effect of observation frequency by microwave radiometers on corrected GSMaP error rate
NSearch	-	-	<u>5</u>	Assessment of the impact of climate change on flood disaster risk and its reduction measures over the globe and specific vulnerable areas
Information Networking	-	-	<u>6</u>	Progress on ADB-ICHARM jointly contributes Technical Assistance activities in Asia
Hoeworking	-	-	<u>6</u>	ICHARM visits a tsunami affected area at Oarai
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Volume6, No.2, Issue No.21, July 2011

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

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

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Message from Director	Kuniyoshi Takeuchi	Director	<u>1</u>	-
Special Topics & Events	Ali Chavoshian	Research Specialist	7	5th International Conference on Flood Management (Tokyo, Japan, 27–29 September)
Capacity	Dinar Istiyanto	Research Specialist	<u>6</u>	Village community based evacuation drills in Solo River Basin – Linkage with advanced forcasting system – (Solo, Indonesia, 14–17 July)
Development	Daisuke Kuribayashi	Senior Researcher	n	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	<u>8</u>	Comments from the internship students: Jei Takeuchi
	Kang Eunbi	Kyoto University	<u>8</u>	Comments from the internship students: Kang Eunbi
	Shin Young A	Kyoto University	<u>9</u>	Comments from the internship students: Shin Young A

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Special Topics & Events	Takahiro Sayama	Senior Researcher	<u>2</u>	Thai Flood and its Related ICHARM Activity
	Shigenobu Hibino	Research Specialist	<u>3</u>	ICHARM hold a one-day session in the ABD Water Learning Week
Project Updates	Saichi Nahacaka	Senior Researcher	<u>4</u>	IFAS Seminars
	Daisuke Kuribayashi	Senior Researcher	<u>4</u>	Training Course Updates
Other Topics	-	-	<u>6</u>	Principal of ICHARM appointed as Vice Chair of GWP Steering Committee

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Research	Kazuhiko Fukami	Chief Researcher	<u>2</u>	MEXT-funded Kakushin Program Report Part 1: Project Outline and Extreme Precipitation Projection
i (Cacai cii	Akiko Hiroe	Researcher	<u>3</u>	Workshop on the effect of climate change in lower West Rapti river basin (Kathmandu, Nepal, 5 March)
Project Updates	Shigenobu	Researcher, Research Specialist	<u>3</u>	Progress of the ADB TA 7276-REG project, "Supporting Investment in Water-Related Disaster Management"
	Toshio Okazumi	Chief Researcher	<u>5</u>	The World Water Community meets at WWF6 in Marseilles, France
Information	Minoru Kamoto	Chief Researcher	<u>6</u>	44th Typhoon Committee session held in Hangzhou, China
Networking	Minoru Kamoto	Chief Researcher	<u>6</u>	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

Volume7, No 2, Issue No.25, July, 2012

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	Dinar Istiyanto	Research Specialist	<u>2</u>	Research on Sustainable Measures for Tsunami Disaster Prevention in Tropical Countries
Project Updates	Shigenobu Hibino	Research Specialist	<u>4</u>	ICHARM-ADB Joint Project Expanded to Aid More Countries
Project Opdates	Daisuke Kuribayashi	Senior Resercher	<u>4</u>	Pakistani Officials Participate in a Capacity Development Workshop on Integrated Flood Risk Management
	Chavoshian Seyed Ali	Research Specialist	<u>5</u>	Iran Water and Power Development Company Delegation Visits ICHARM
Information Networking	Daisuke Kuribayashi	Senior Resercher	<u>6</u>	The 20th Session of the IHP Intergovernmental Council Held in Paris
INGEWOI KIIIg	Mamoru Miyamoto	Research Specialist	7	ICHARM Goes Global $\tilde{\ }$ Briefing on overseas conferences, workshops and more $\tilde{\ }$
Other Topics	Daisuke Kuribayashi	Senior Resercher	<u>8</u>	ICHARM Best Paper Award Goes to Takahiro Sayama
Miscellaneous	Babeth Bosma	-	<u>8</u>	Message from Ms. Babeth Bosma

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	Kazuhiko Fukami	Chief Researcher	/	MEXT-funded Kakushin Program Report Part 2: Global-scale Extreme Flood Discharge Projection
Research	Yoshiki Motonaga	Research Specialist	<u>3</u>	Development of an automatic water-discharge measurement system
	Anurak Sriariyawat	-	<u>3</u>	RRI model research in ICHARM (Contribution)
Capacity Development	Daisuke Kuribayashi	Senior Researcher		2012–2013 M.Sc. Program and 2012 Ph.D. Program starts as 2011–2012 M.Sc. Program ends
Project Updates	Mamoru Miyamoto	Reserch Specialist		Capacity Development for "Effective Flood Management in River Basins of the Philippines" (ADB project TA7276-REG)
Other Topics	Daisuke Kuribayashi	Senior Researcher	<u>6</u>	41st ICHARM R&D Seminar by Mr. Masahiro Imbe, Executive of ARSIT
	Kaito Zibiki	Kochi National College of Technology	7	Comments from the internship students: Kaito Zibiki
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Research	Youngjoo Kwak	Reserch Specialist	<u>3</u>	MEXT-funded Kakushin Program Report Part 3: Global-scale Climate Change Impact Assessment on Flood Risk Change
	Duminda Perera	Reserch Specialist	<u>4</u>	MEXT-funded Kakushin Program Report Part 4: Assessment of climate change impact on the lower West Rapti River basin
	Daisuke Kuribayashi	Senior Researcher	<u>5</u>	FY2012 JICA Training Program: Capacity Development for Flood Risk Management with IFAS
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Special Event	Kelly Kibler	Research Specialist	<u>3</u>	International Flood Initiative Secretariat summary: United Nations Special Thematic Session on Water & Disasters
Training	Kelly Kibler	Research Specialist	<u>4</u>	Seminar on Sediment Hydraulics and River Management in Bangladesh
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Information	Maksym Gusyev	Research Specialist	<u>6</u>	High-Level meeting on National Drought Policy (HMNDP)
Network	Minoru Kamoto	Chief Researcher	<u>6</u>	45th Typhoon Committee session held in Hong Kong, China
	-	-	<u>7</u>	ICHARM Director Takeuchi Wins the International Hydrology Prize
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	-	-	7	ICHARM Researcher Sayama Wins the 2013 Young Scientists' Prize by MEXT Minister
Other Topics			<u>8</u>	IAHS Red Book "Floods: From Risk to Opportunity" IAHS Publication No. 357 (2013), ISBN 978-1-907161-35-3, 480 pages

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Research	Megumi Sugimoto	Research Specialist	<u>2</u>	World handbook on local disaster management experiences Disaster Management Handbook Published
Research	Hideyuki Kamimera	Research Specialist	<u>3</u>	Development of a Method for Estimating Flood Damage in the Lower Mekong Basin
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	Daisuke Kuribayashi	Senior Researcher	<u>4</u>	Pakistani Officials Participate in a Capacity Development Workshop
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	Daisuke Kuribayashi	Senior Researcher	<u>6</u>	Study Tour to 2011 Tsunami-affected Areas along Miyagi Coast
	Ai Sugiura Sangeun Lee	Research Specialist	<u>8</u>	The 2nd Asia-Pacific Water Summit held in Chiang Mai
	Daisuke Kuribayashi	Senior Researcher	<u>8</u>	Lower House Members Visit ICHARM
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	Yoshikazu Shimizu	Principal Senior Researcher	<u>3</u>	Field Study on Damage by the Collapse of a Natural Dam in Ambon Island, Indonesia
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Capacity	Badri Shrestha Hideyuki Kamimera	Researcher Research Specialist	<u>5</u>	ASEAN Countries Trained for Satellite-based Disaster Management
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	Yoichi Iwami	Chief Researcher	<u>3</u>	Sentinel Asia
Canacity	Yusuke Yamazaki	Research Specialist	<u>3</u>	IFAS Training in the Philippines
Capacity Development	Shun Kudo	Researcher	4	Training Course Updates
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Ni akoo aulaha m	Mamoru Miyamoto	Researcher	<u>6</u>	Intermediate Joint Coordinating Committee for SATREPS in Malaysia
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Otloon Tonico	Naoko Nagumo	Research Specialist	<u>9</u>	Field Survey for Research Project on Pre-Recovery Planning in the Pampanga River Basin of the Philippines
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Nesearch	Takahiro Sayama	Senior Researcher	<u>3</u>	Release of Flood Inundation Frequency Map in South Sudan based on MODIS Remote Sensing Analysis
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	Sangeun Lee Hisaya Sawano	Chief Researcher	7	Side Event of The 6th Asian Ministerial Conference on Disaster Risk Reduction (SE3)
	Takashi Shirai	Chief Staff	<u>7</u>	Local Students Visit ICHARM Open Day 2014
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Canaaitu	Takashi Shirai	Chief Stuff	<u>4</u>	FY2014 JICA Training Program: Capacity Development for Flood Risk Management
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	Daisuke Kuribayashi	Senior Researcher	<u>2</u>	51st ICHARM R&D seminar
	Masahiko Murase	Chief Researcher	<u>3</u>	Vietnam IT experts visit ICHARM
	Morimasa Tsuda	Senior Researcher	<u>3</u>	ICHARM participates in JAXA Talk Event
Networking	Yoshiyuki Imamura	Chief Researcher	<u>4</u>	Minister from Uttar Pradesh State in India visits ICHARM
Activity	Daisuke Kuribayashi	Senior Researcher	<u>4</u>	ICHARM Director speaks at UNSGAB meeting
	Yoichi Iwami	Chief Researcher	<u>5</u>	Second joint project team meeting of Sentinel Asia Step 3
	Takahiro Sayama	Senior Researcher	<u>5</u>	IWA regional seminar at AIT in Bangkok, Thailand
	Yoko Hagiwara	Research Specialist	<u>6</u>	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	<u>8</u>	ADB Myanmar project launched
	LIU Tong	Research Specialist	<u>8</u>	ASEAN countries trained for IFAS
Capacity	Takashi Shirai	Chief Staff	9	M.Sc. students field tour
Development	Zlatanovic	-	<u>10</u>	Contribution by former M. Sc. student on flood in Serbia
	Shun Kudo, Hideyuki Kamimera	Researcher, Research Specialist	<u>11</u>	River flow observation and house survey in Lower Mekong Basin
Research		BfG (Federal Institut of Hydrology Germany)		Message from a Visiting Researcher: Anne Gädeke

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	Kuniyoshi Takeuchi	Advisor	<u>6</u>	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	<u>8</u>	Visit to Ministry of Public Works and Housing, Indonesia
Information	Minoru Kamoto	Chief Researcher	9	Visit by Afghan officials of Ministry of Energy and Water
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	Masahiko Murase	Chief Researcher	<u>10</u>	Visit by officials of UNESCO headquarters in France
	Yoshio Tokunaga	Chief Researcher	<u>11</u>	Visit by Negeri Lima mayor of Indonesia
	Hisaya Sawano	Chief Researcher	<u>11</u>	Visit by MJIIT Professor of Malaysia
Local Practices	Yusuke Yamazaki	Research Specialist	<u>12</u>	ADB Myanmar project (TA8456) update: Training on RRI Model and Storm Surge Model
	Takahiro Sayama	Senior Researcher	<u>12</u>	Thai Hydrologist Association 2015 in Thailand
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	Youji Chida	Principal Senior Researcher	<u>14</u>	FY2014 SOUSEI annual meeting
Tuetota	Minoru Kamoto	Chief Researcher	<u>14</u>	Follow-up seminar in Indonesia
Training	Takashi Shirai	Chief Staff	<u>15</u>	Field Tour and participation in WCDRR in Japan

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Special Event	Yoshio Tokunaga	Chief Researcher	<u>2</u>	ICHARM attends the 7th World Water Forum
	Kuniyoshi Takeuchi	Advisor	<u>6</u>	Advisor's activities
	Masahiko Murase	Chief Researcher	<u>7</u>	Visit by Thai delegates
	Takashi Shirai	Chief Stuff	<u>7</u>	ICHARM Open Day joined by local high school students
Information	Atsuhiro Yorozuya	Senior Researcher	8	30th ISO/TC113 meeting held in Tokyo
Networking	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	<u>9</u>	ADB Myanmar project (TA-8456) update: Training on RRI Model and Storm Surge Model and Consultation Meeting
	Shinji Egashira	Research and Training Advisor	<u>10</u>	Workshops on sediment disasters and management in Taipei
	Maksym Gusyev	Research Specialist	<u>11</u>	Poster presentations at EGU 2015 on IFI Project
Research	Hiroshi Koseki	Research Specialist	<u>12</u>	Discharge measurement workshop in the Shinano River
	Tomoki Ushiyama	Research Specialist	<u>13</u>	International Workshop on Typhoon and Flood in Taiwan
	Youji Chida	Deputy Chief Researcher	<u>13</u>	Symposium on climate change impact and adaptation in water-related disasters
	Mamoru Miyamoto	Researcher	13	Joint training for Malaysian experts
		Researcher	14	IFAS training in Viet Nam
T	Minoru Kamoto	Chief	<u>15</u>	Training seminar for Bhutan staff
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	Takashi Shirai	Chief Stuff	<u>15</u>	M.Sc. Field Tours
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	Kuniyoshi Takeuchi	Advisor	<u>2</u>	Advisor Takeuchi's activities
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	Hisaya Sawano	Chief Researcher	<u>4</u>	"Expert Meeting on Developing Indicators for Disaster Risk Reduction" and "Open-ended Intergovernmental Expert Working Group (OIEWG)"
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Networking	LIU Tong	Research Specialist	<u>5</u>	International workshop held in Pakistan to promote evidence-based flood forecasting
	Hisaya Sawano	Chief Researcher	<u>6</u>	Strengthening Water Partnerships for Climate Change and Disaster Risk Management
	Morimasa Tsuda	Senior Researcher	<u>7</u>	SAFE prototype project in the Lower Mekong basin kicked off in Cambodia
	Yoichi Iwami	Chief Researcher	<u>8</u>	Conference on climate change adaption technology in Taiwan
	Mamoru Miyamoto	Researcher	9	Dr. Miyamoto presented with the PWRI President's Award
	Daisuke Kuribayashi	Senior Researcher	<u>9</u>	52nd and 53rd ICHARM R&D seminars held
	Kwak Youngjoo	Research	<u>10</u>	UAV-assisted flood investigation in Bangladesh
	Shun Kudo	Researcher	<u>11</u>	Investigation conducted in the Lower Mekong Basin
Research	Naoko Nagumo, Miho Ohara	Research Specialist Senior Researcher	<u>11</u>	Field visit to flood-ravaged Joso City in Ibaraki Prefecture
	Hiroshi Koseki	Research Specialist	<u>12</u>	Observation of the Jamuna River
	Takashi Shirai	Chief Staff	<u>13</u>	FY2015 JICA Training Program: Capacity Development for Flood Risk Management
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	Yoko Hagiwara	Research Specialist	<u>3</u>	Second United Nations Special Thematic Session on Water and Disasters in U.S.A.
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	Morimasa Tsuda	Senior Researcher	4	IFAS training globally in demand
Training	Takashi Shirai	Chief Staff	<u>6</u>	Field trips by M. Sc. Students
	Maksym Gusyev	Senior Researcher	<u>6</u>	UNESCO International Workshop in Jakarta
	Mohamed Rasmy Abdul Wahid	Senior Researcher	<u>7</u>	GEWEX Earth Observation for Water Cycle Science 2015 in Italy
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	Junichi Yoshitani	Deputy Director	<u>8</u>	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
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	Hisaya Sawano	Chief Researcher	<u>11</u>	Visit by Myanmar university delegates
	Maksym Gusyev	Research Specialist	<u>11</u>	The 21st International Congress on Modelling and Simulation (MODSIM) 2015
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	Patricia Ann Jaranilla− Sanchez	Research Specialist		Participation in side events of COP21 in France
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	Masahiko Murase	Chief Researcher	<u>14</u>	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		Participation in the 2015 American Geophysical Union (AGU) Fall Meeting in California, U.S.A
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Local	Morimasa Tsuda	Senior Researcher	<u>23</u>	Workshop held as part of UNESCO Pakistan Project (Phase II)
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Information	Katsuhito Miyake	Deputy Director	<u>11</u>	i-WSSM delegation visited ICHARM
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	Hisaya Sawano	Chief Researcher	<u>13</u>	Open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction: Informal consultations of the Chair
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Local Practices	Badri Bhakta SHRESTHA Hisaya Sawano	Senior Researcher Chief Researcher	<u>15</u>	ADB Myanmar project (TA-8456) Update: Final Workshop and Capacity Development Training of TA-8456
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	Mamoru Miyamoto	Researcher	7	The Associated Programme on Flood Management (APFM) Advisory and Management Committees in Switzerland
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	Mamoru Miyamoto	Researcher	<u>9</u>	Participate to UN ESCAP Training "Regional Training for Flood Forecasting in Transboundary River Basins" in Thailand
	Hisaya Sawano	Chief Researcher	<u>10</u>	Open-ended intergovernmental expert working group on indicators and terminology relating to disaster risk reduction: Informal consultations of the Chair and Third Session
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Special	Mohamed Rasmy Abdul Wahid	Senior Researcher	<u>2</u>	ICHARM Disaster Relief Activities in Sri Lanka
Topic	Tetsuya Ikeda	Chief Researcher	<u>4</u>	PWRI and the University of Tokyo jointly issued the press release
	Tetsuya Ikeda	Chief Researcher	<u>5</u>	President of the 38th UNESCO General Conference visited ICHARM
International Flood	Morimasa Tsuda	Senior Researcher	<u>6</u>	Workshop on "Platform on Water-related Disaster" in Pakistan
Initiative (IFI)	Hisaya Sawano	Chief Researcher	<u>7</u>	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
	Badri Bhakta SHRESTHA	Senior researcher	<u>10</u>	<introduction icharm="" of="" projects="" research=""> Flood Disaster Risk Assessment in Asian Developing Countries under Climate Change Scenarios</introduction>
	Duminda PERERA	Research specialist	<u>12</u>	⟨Introduction of ICHARM research projects⟩ Climate change impact study for the Lower Mekong Basin
Research	Daisuke Harada	Research Specialist	<u>13</u>	⟨Introduction of ICHARM research projects⟩ Characteristics of flood flow with riverbed deformation in mountainous valley− bottom streams
Nesearch	Mahtab Mohammad Hossain	Doctoral student	<u>14</u>	⟨Introduction of ICHARM research projects⟩ Analysis on the Best Strategy to Attain the Maximum Economic Benefits in Haor Areas in Bangladesh
	-	-	<u>15</u>	ICHARM individual research project: Grants-in-Aid for Scientific Research (B: 15H05136 oversea, KAKENHI)
	Young-joo Kwak	Research Specialist	<u>15</u>	Research Specialist Kwak visits CHMI and attends EGU2017
	Young-joo Kwak	Research Specialist	<u>16</u>	Research Specialist Kwak visits a hydrology institute of India and conducts a field survey in flood-damaged areas
	Takashi Shirai	Chief Staff	<u>17</u>	Field trips by M. Sc. Students
Training and Education	Yoshio Tokunaga	Chief Researcher	<u>18</u>	UNESCO Pakistan project: training for Pakistani and Afghan experts
	Shinji Egashira	Research and Training Advisor	<u>19</u>	Research and Training Advisor Egashira lectures at MJIIT in Malaysia
	LIU Tong	Research Specialist	<u>20</u>	Training workshops held in Pakistan
Information Networking	Mohamed Rasmy Abdul Wahid	Senior Researcher	<u>21</u>	Visited by Vice chancellor of Bangladesh Agricultural University (BAU)
	Maksym Gusyev	Research Specialist	<u>22</u>	Workshop on "Risk-Based Hydrologic Engineering Standards" in Koblenz, German

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

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Message from Director	Toshio Koike	Director	<u>1</u>	Policy & Community of Practice and Science & Technology
Coming Events	Mamoru Miyamoto	Researcher	<u>2</u>	ICHARM technical session to be held at World Bosai Forum
Special Topics	Daisuke Kuribayashi	Senior Researcher	<u>3</u>	ICHARM Director Toshio Koike elected as a member of the Science Council of Japan
International Flood Initiative (IFI)	Tetsuya Ikeda	Chief Researcher	<u>4</u>	Plenary Session for the Platform on Water and Disasters held in Sri Lanka - Support to establish IFI platform -
	Shinji Egashira	Research and Training Advisor	<u>5</u>	Studies on Disasters Resulted from the July 2017 Rainfall Event in Northern Kyushu
	Daisuke Kuribayashi	Senior Researcher	<u>6</u>	English manual for Hydrological Statistics Utility is ready by ICHARM
	Miho Ohara	Senior Researcher	<u>8</u>	⟨Introduction of ICHARM research projects⟩ Survey on Practice of Flood Risk Communication by Real Estate Agencies in Shiga
Research	Young−joo Kwak	Research Specialist	<u>8</u>	<introduction icharm="" of="" projects="" research=""> 2nd International Workshop on "Integrated flood risk and water management under climate change for disaster risk reduction"</introduction>
	Yoshihiro Shibuo	Research Specialist	<u>10</u>	<introduction icharm="" of="" projects="" research=""> UseR!2017 – the annual international R user and developer conference in Brussels</introduction>
	Islam Md Khairul	Doctoral student	<u>11</u>	⟨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	<u>12</u>	FY2017 JICA Training Program: Capacity Development for Flood Risk Management
Education	Takashi Shirai	Chief Staff	<u>13</u>	Educational Program Updates
	Tetsuya Ikeda	Chief Researcher	<u>14</u>	Regional workshop on "Building Resilience to Climate Change Risk and Vulnerability to Meet Water Security Challenges"
		Senior Researcher	<u>15</u>	A SAFE project by Mekong River Commission completed
Information	Tetsuya Ikeda	Chief Researcher	<u>16</u>	ICHARM's contribution to major international conferences on water issues
Networking	Maksym Gusyev	Research Specialist	<u>18</u>	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	<u>19</u>	Sixth Annual Meeting of the Working Group for Hydrology (WGH) of the Typhoon Committee (TC) in Seoul, Korea
Others	Kaori Mamuro	Hiroshima University	<u>21</u>	Comments from summer course & internship students: Kaori Mamuro
_ - Others	Rosalita Mejia Barde	Nagoya University	<u>22</u>	Comments from summer course & internship students: Rosalita Mejia Barde

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	-	-	<u>2</u>	Annual report on IFI activities in 2017
International	Mamoru Miyamoto	Researcher	<u>2</u>	Global activities
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Initiative (IFI)	Mamoru Miyamoto	Researcher	<u>5</u>	Activities in each country
Initiative (II I)	Badri Bhakta Shrestha	Senior Researcher	<u>5</u>	2nd High Level Consultation Meeting on IFI Coordination in Myanmar
	Mohamed Rasmy Abdul Wahid	Senior Researcher	7	<introduction icharm="" of="" projects="" research=""> The 24th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-</introduction>
Research	Naoko Nagumo	Research Specialist	<u>8</u>	<introduction icharm="" of="" projects="" research=""> Sediment transport in the lower Stung Sen River owing to the backwater effect of the Lake Tonle Sap</introduction>
Nesearch	LIU Tong	Research Specialist	<u>10</u>	⟨Introduction of ICHARM research projects⟩ Forecasting in the Upper Indus Basin considering snow and glacier meltwater
	Gul Ahmad Ali	Doctoral student	<u>11</u>	Introduction of ICHARM research projects> Field observations in Jamuna River, Bangladesh
	Miho Ohara	Senior Researcher	<u>12</u>	Workshop on flood disaster response for businesses in Yokohama
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Education	Yoshito Kikumori	Senior Researcher	<u>15</u>	Hydrological Modeling Workshop for Pakistan Officials
	Yoshio Tokunaga	Chief Researcher	<u>15</u>	Follow-up Seminar in Myanmar
	Yoshio Tokunaga	Chief Researcher	<u>17</u>	Regional cooperative expert conference in Thailand
Information Networking	Maksym Gusyev	Research Specialist	<u>17</u>	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
Networking	Tetsuya Ikeda	Chief Researcher	<u>18</u>	UNESCO IHP 25th Regional Steering Committee Meeting for Southeast Asia and the Pacific
	Young-Joo Kwak	Research Specialist	<u>19</u>	Global Technology Cooperation Forum (GT-DAY)
Information	Tetsuya Ikeda	Chief Researcher	<u>20</u>	Global Forum on Science and Technology for Disaster Resilience 2017
Networking	Daisuke Kuribayashi	Senior Researcher	<u>21</u>	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	Mamoru Miyamoto		<u>23</u>	Meeting on a new SATREPS project
Practices	Atsuhiro Yorozuya	Senior Researcher	<u>23</u>	Training on discharge observation and riverbed topography measurement

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	Juhyn Kim	Pukyong National University	<u>28</u>	Comments from visiting researcher & internship students: Juhyn Kim
	Jamila Rajabi	Kyoto University	<u>28</u>	Comments from visiting researcher & internship students: Jamila Rajabi

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Research	Akira Hacadawa	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	<u>11</u>	⟨Introduction of ICHARM research projects⟩ Development of Learning Support Materials for Hydrology and Hydraulics using CommonMP
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Information	Takafumi Shinya	Senior Researcher	<u>15</u>	The 50th Annual Session of Typhoon Committee in Hanoi
Information Networking	Miho Ohara	Senior Researcher	<u>17</u>	Meeting with the Philippine organization and field survey
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Flood Initiative (IFI)	Mamoru Miyamoto	Researcher	<u>22</u>	Meeting with the core organizations of the IFI Platform in the Philippines
Initiative (IFI)	Tetsuya I keda	Chief Researcher	<u>22</u>	2nd Plenary Session for the Platform on Water Resilience and Disasters held in Sri Lanka
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	Silva	Irrigation Department, Sri Lanka	<u>30</u>	Comments from visiting researchers: Wadu Thanthrige Thilini Manodhya de Silva
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	,	Researcher Researcher	4	The 11th HELP Meeting WMO Global Conference: Prosperity through Hydrological Services (HydroConference)
International		Research Specialist		IFI Platform Stakeholders' Meeting in Davao, Philippine
Flood	Tamakawa	rtesearen opeolalist	<u>5</u>	11 11 lation otakenolders wieeting in Davao, i milippine
Initiative (IFI)		Chief Researcher		Side event "Platform on Water Resilience and Disasters" during the UNESCO-IHP
			<u>6</u>	Intergovernmental Council Meeting
	Hiroyuki Ito	Chief Researcher		Summary of the ADB Project "Evaluation of Climate Change Impacts in Hue, Ha Giang
	Tomoki Ushiyama	Research Specialist		and Vinh Yen cities in Vietnam″
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		Research Specialist	<u>7</u>	
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	Daisuke Kuribayashi	Soniar Booograhar		Budget based Distributed Hydrological Model with Snow (WEB-DHM-S) Visit to the Kinu River Restoration Project sites
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	T . 11 .	Ol: CD		Risk Reduction in Ulsan, Korea
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	Tomoki Ushiyama Tetsuya Ikeda	Chief Researcher		Participation in the 23rd Intergovernmental Council meeting of UNESCO-IHP and SPIC
	i etsuya Ineua	Office Nescarcifer	<u>19</u>	Water
	Tetsuya Ikeda	Chief Researcher	20	Participation at the Asia Ministerial Conference on Disaster Risk Reduction 2018
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	Mamoru Miyamoto	Researcher	<u>26</u>	Hands-on training on RRI model in JICA short-term training
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International Flood	Yosuke Tomizawa	Senior Researcher	<u>5</u>	Discussion on establishment of IFI Platform and "TOUGOU" research program in Indonesia
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	Daisuke Kuribayashi	Senior Researcher	<u>9</u>	Development of an information sharing system to deliver river water-level forecasts for small- and mid-sized rivers as a PRISM Program project
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	Mikiko Nakamura	Assistant	<u>14</u>	62nd R&D Seminar
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	Tetsuya Ikeda	Chief Researcher	<u>19</u>	Side Event "Hydrology Towards Sustainable Resilient Societies" at the United Nations High-Level Political Forum on Sustainable Development
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			<u>12</u>	Strengthening the Capacity of Businesses in Underground Shopping Malls for Flood
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Special Topics	Daisuke Kuribayashi	Senior Researcher	<u>4</u>	Joint research agreement concluded between Iwaizumi Town and ICHARM
	Daisuke Kuribayashi	Senior Researcher	<u>5</u>	Upper house members visit ICHARM
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	Tetsuya Ikeda	Chief Researcher	8	The 3rd plenary session for the Platform on Water Resilience and Disasters in Sri
	Satsuki Yanagihara		9	The 12th ICHARM Follow-up Seminar in Nepal
Training &	Tomoki Nakamura		10	Educational program updates
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	Tetsuya Ikeda	Chief Researcher	<u>20</u>	The 3rd Indo-Japan Workshop on Disaster Risk Reduction and a field trip to Kerala
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Message from	Toshio Koike	Director		Facilitator – an ace in the hole for water–related disaster risk reduction
Director			<u>1</u>	
International Flood Initiative (IFI)	Naoko Nagumo	Research Specialist	<u>3</u>	Launch of a real-time flood forecasting system in the Pampanga River basin, Philippines
	Mamoru Miyamoto	Researcher	<u>4</u>	Activity of the SATREPS program "Regional Resilience Enhancement through Establishment of Area-BCM at Industry Complexes in Thailand"
	Daisuke Kuribayashi	Senior Researcher	<u>5</u>	Conduct of general experience and questionnaire of "flood simulated experience application" developed by ICHARM
	Miho Ohara	Senior Researcher	<u>6</u>	New research will start in the Philippines under the Science and Technology Research Partnership for Sustainable Development (SATREPS) program
Research	K. Abdulla Bava	Senior Research Scientist, Advanced Technology Institute	<u>8</u>	My experience at ICHARM as a Visiting Foreign Researcher
	Daisuke Kuribayashi	Senior Researcher	9	<introduction icharm="" of="" projects="" research=""> Development of a disaster related information sharing system for municipalities (ICHARM Disaster Risk Information System: IDRIS)</introduction>
	Masatoshi Denda	Senior Researcher	11	<introduction icharm="" of="" projects="" research=""> Importance of natural disturbance due to floods in river ecosystem conservation</introduction>
	Yoshimasa Morooka	Researcher	<u>12</u>	Activity report on "Disaster Prevention Town Watching Exercise in Sakai Town" in JICA short-term training
Training &	Tomoki Nakamura	Administer	<u>13</u>	Field trips by M.Sc. Students
Education	Leandro Galvanese Kuhlmann	Researcher B, CPRM – Serviço Geológico do Brasil	<u>15</u>	Action Reports from ICHARM Graduates: Leandro Galvanese Kuhlmann
	Mamoru	Researcher	<u>16</u>	Presentation in the GEO Data Technology Workshop
	Tetsuya Ikeda	Chief Researcher	<u>17</u>	Panel on Water and Disasters at the UNESCO International Water Conference
	Maksym Gusyev	Research Specialist	<u>18</u>	The 15th IAEA International Symposium on Isotope Hydrology in Vienna
Information	Tetsuya Ikeda	Chief Researcher	<u>19</u>	Kick-off meeting of the 9th World Water Forum
Networking	Tetsuya Ikeda	Chief Researcher	<u>19</u>	Fourth UN Special Thematic Session on Water and Disasters
Hoeworking	Yosuke Tomizawa	Senior Researcher	<u>21</u>	ICHARM held a technical session on "Water and Disasters – Toward Building Resilient Society under Climate Change –" at CECAR8
	Takafumi Mochizuki	Senior Researcher	<u>22</u>	UNESCO Pakistan Project
Field Survey		Senior Researcher	<u>23</u>	The preparatory meeting of the Platform on Water Resilience and Disasters in Indonesia and field surveys in the Solo River
		Assistant	<u>24</u>	ICHARM Open Day 2019 held for local school students
Others	Yeji Shin	Korean Meteorological Institute under the Korean Meteorological Administration	<u>26</u>	Comment from internship student: Yeji Shin

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Message from	Toshio Koike	Director		Quick Recovery and Grand Design for Future
Director			<u>1</u>	
		211.22		
Coming	Tetsuya Ikeda	Chief Researcher	<u>3</u>	ICHARM will organize a technical session at the World Bosai Forum 2019
Events			<u> </u>	
Special	Masatoshi Denda	Senior Researcher	<u>4</u>	Aga town Risk Information System now open for public use
Topics				
	Yosuke Tomizawa	Senior Researcher	<u>5</u>	The meeting for the Platform on Water Resilience and Disasters in Indonesia
Flood	Katsunori	Research Specialist	<u>7</u>	Training on climate change prediction model analysis and rainfall-runoff-inundation
Initiative (IFI)		D		model in Sri Lanka
	Hiroyuki Tsutsui Mamoru Miyamoto	Research Specialist Researcher	<u>8</u> 9	Activity report on the World Bank Brazil project Participation in the 27th IUGG General Assembly
	Mohamed Rasmy	Senior Researcher	9	Participation in the 27th logic General Assembly Participation in the 16th Annual Meeting of the Asia Oceania Geosciences Society
Research	Abdul Wahid	Research Specialist	<u>10</u>	(AOGS)
Nescarcii	Tomoki Ushiyama	Nesearon opecialist	<u>10</u>	(AOds)
		Researcher		<introduction icharm="" of="" projects="" research=""></introduction>
	Tostiiilasa Worooka	rescaroner	<u>11</u>	Investigation of risk communication tools that encourage residents to evacuate at floods
	Tomoki Nakamura	Administer	13	Educational Program Updates
	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
Training &	Samuel Joseph	Principal Mitigation		Action Reports from ICHARM Graduates: Samuel Joseph Gama
Education	Gama	Officer, Office of the	4.0	
		Vice President, Department of Disaster	<u>16</u>	
		Management Affairs –		
	Maksym Gusyev	Research Specialist	10	Kick-off meeting of the project on water related disaster reduction platform to
	Katsunori	Research Specialist	<u>18</u>	enhance resilience to climate change in Africa
Information	Tetsuya Ikeda	Chief Researcher	<u>19</u>	Participation in Stockholm World Water Week 2019
Networking	Hiroyuki Ito	Chief Researcher	<u>20</u>	Participation in "Expert Dialogue on Scaling Up Regional Cooperation in Multi-Hazard
- Nocworking			20	Early Warning Systems in Asia-Pacific with a focus on flood and drought" by UNESCAP
	Tetsuya I keda	Chief Researcher	<u>21</u>	Participation in the Panel on Tropical Cyclones (PTC) for the Bay of Bengal and the
			<u>-1</u>	Arabian Sea
Public	Yoshimasa Morooka	Researcher	23	Children experience a VR-created flood at Tsukuba Kid Scientists Festival 2019
Relations				
	Jiyong Bae	Korea		Comment from internship student: Jiyong Bae
Others		Meteorological	<u>24</u>	
		Administration		

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	KOIKE Toshio	Director	<u>1</u>	Flood governance and investment in response to climate change
Director	LOUGH BASSELVA LIE	0 1 0		
		Senior Researcher	<u>3</u>	ICHARM Director given the Chinese Government Friendship Award and AOGEO Fellow
Special		Research Specialist		Field Surveys of disaster damage by the torrential rainfall due to Typhoon No.19 (Hagibis)
Topics		Researcher Research and Training	<u>3</u>	
		Advisor		
International	ŭ	Researcher		The Workshop, "Orientation on Climate Change", held in Davao City, the Philippines
Flood	Mamoru	1 toodal onor	<u>6</u>	The fromotion, offentation of climate change, flora in Bavas sity, the finispenter
Initiative (IFI)			_	
Dagaguala	MIYAMOTO	Researcher	0	ICHARM held an AWCI session at the 12th AOGEO Symposium
Research	Mamoru		<u>8</u>	
		Research Specialist	<u>9</u>	11th River, Coastal and Estuarine Morphodynamics Symposium, RCEM 2019
	MIYAMOTO	Researcher	<u>10</u>	<introduction icharm="" of="" projects="" research=""></introduction>
	Mamoru			Development of IFAS Calibrator
		Administer	<u>11</u>	Educational Program Updates
	Tomoki KAKINUMA Daiki	Dagagush Chasislist	13	Usunda an tursining on DDI in IICA shout town tursining
		Research Specialist Deputy Staff Officer,	13	Hands-on training on RRI in JICA short-term training Action Reports from ICHARM Graduates: Myo Myat Thu
Training &	,,	Assistant Forecaster in		Action Reports from IOHARM Graduates, Myo Myat Thu
Education		River Forecasting Section,		
		Department of Meteorology and Hydrology under the	<u>14</u>	
		control of the Ministry of		
		Transport and		
		Communications, Myanmar		
	Maksym Gusyev	Research Specialist	<u>15</u>	The International Atomic Energy Agency (IAEA) activities: the Regional Cooperative
	TOMIZAWA	Senior Researcher		Agreement for Asia and Pacific (RCA) final meeting of RAS/7/030 project Typhoon Committee 8th meeting of working group on hydrology in Seoul, ROK and
Information	Yosuke	Semor Researcher	<u>16</u>	14th integrated workshop in Guam, USA
Networking	TOMIZAWA	Senior Researcher		ICHARM held a technical session and a poster presentation at the World BOSAI
	Yosuke	22.1101 1100001101101	<u>17</u>	Forum 2019
		Chief Researcher	10	Participation in the 27th UNESCO-IHP Regional Steering Committee Meeting for Asia and
			<u>18</u>	the Pacific
Others	Mohamed	AGRHYMET Regional	19	Comments from visiting researchers: Mohamed Hamatan
— Others	Hamatan	Center	13	
	Salifou Dene	Volta Basin Authority	19	Comments from visiting researchers: Salifou Dene
		(VBA)	10	

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Message from Executive	KOIKE Toshio	Executive Director	<u>1</u>	Think over "The last-mile challenge" again
Special Topics	IKEDA Tetsuya	Director for Special Research	<u>3</u>	Revised agreement on ICHARM between the government of Japan and UNESCO has been signed
International Flood Initiative	TOMIZAWA Yosuke	Senior Researcher	<u>4</u>	"Orientation seminar on climate change adaptation" held in Surakarta City, Indonesia
(IFI)	Mohamed Rasmy Abdul	Senior Researcher	<u>5</u>	Fourth Plenary Session of the Platform on Water Resilience and Disasters under IFI in Sri Lanka
Research	KAKINUMA Daiki	Research Specialist	<u>6</u>	<introduction icharm="" of="" projects="" research=""> A study on improvement of RRI-model reproducibility and efficiency for flood forecasting in small mountainous river basins</introduction>
Training &	NAKAMURA Tomoki	Administer	<u>8</u>	Educational Program Updates
Education	WASHIO Yoichi	Senior Researcher	<u>10</u>	The 13th ICHARM Follow-up Seminar was held in Colombo, Sri Lanka, on February 12 and 14, 2020.
Information	IKEDA Tetsuya	Director for Special Research	<u>12</u>	ADBI-ICHARM Policy Dialogue Water-related Disaster Resilience under Climate Change
Networking	Mohamed Rasmy Abdul	Senior Researcher	<u>13</u>	100th AMS Annual Meeting 2020 in Boston, USA
Field Survey	NAGUMO Naoko	Research Specialist	<u>13</u>	Fourth Field Survey in the Sittaung River of Myanmar to Investigate Riverbanks and Coastal Erosion
	Hendra Ramdhani	the University of Tokyo	<u>15</u>	Comments from internship students: Hendra Ramdhani
Others	Chung Sarit	_	<u>15</u>	Comments from internship students: Chung Sarit
	MOROOKA Yoshimasa	Researcher	<u>16</u>	Video clip posted: people experiencing a virtual flood using VR goggles
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	TOMIZAWA Yosuke	Senior Researcher	<u>3</u>	4th ICHARM Governing Board Meeting was held
	OHARA Miho	Senior Researcher	<u>4</u>	Publication of Collection of Critical Situations during Flood Emergency Response
		_	<u>5</u>	ICHARM's efforts for addressing flood disasters considering the prevention of
Special	KOIKE Toshio	Executive Director	7	(1) Toward the establishment of research, education, and international networking in a new- normal era
Topics	OHARA Miho	Senior Researcher	<u>9</u>	(2) Use of Collection of Critical Situations during Flood Emergency Response (Appendix: local government response under COVID-19)
	DENDA Masatoshi	Senior Researcher	<u>11</u>	(3) Collaboration between the IDRIS disaster information sharing system and the BOSS- SHIFT disaster response support system
	IKEDA Tetsuya	Director for Special Research	<u>12</u>	(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 Hydroscience and Hydraulic Engineering, Japan Society of Civil Engineers	<u>14</u>	⟨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 Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the Suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the Suburban area of Nagano City along the Chikuma River Levee-breach flood disaster in the Suburban area of Nagano City along the Chikuma River Levee-bre
	KONAMI Takahiro	Director, Fukushima River and National Highway Office, Ministry of Land, Infrastructure, Transport and Tourism of	<u>16</u>	⟨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	Research	18	<introduction icharm="" of="" projects="" research=""></introduction>
	Daisuke	Specialist		Characteristics of flood flow with a large amount of sediment -On the
	OHARA Miho	Senior Researcher	<u>20</u>	Casualties of flood disasters during the recent three years in Japan

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

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Director	MODOOKA	D -		
Special	MOROOKA Yoshimasa	Researcher	<u>3</u>	Field survey of the July 2020 torrential rain disaster
Topics	FUJIKANE	Chief Researcher		Briefing session on a trial experiment of the "Support System on Countermeasures
Торгоз	Masakazu	Office Researcher	<u>5</u>	for Severe Flood Damage under the Risk of COVID-19"
		Research and	C	Seeing is believing – A practice task for a Ph.D. student has developed into globalscale
		Training Advisor	<u>6</u>	research on sediment transport –
	AHMED Tanjir Saif		<u>8</u>	Numerical study on tidal currents and bed morphology in Sittaung river estuary, Myanmar
	EGASHIRA Shinji	Research and	<u>10</u>	On the 13th graduation of the ICHARM master's program students
	ISLAM Md	Training Advisor		A ANNIMEDIO AL CTUDY ON DANIK EDOCION OF A DDAIDED OLIANNEL
	Masbahul	Master's student	<u>11</u>	A NUMERICAL STUDY ON BANK EROSION OF A BRAIDED CHANNEL: CASE STUDY OF THE "TANGAIL AND MANIKGANJ DISTRICTS ALONG
	Masbariui		111	THE BRAHMAPUTRA RIVER"
	RAHMAN Md	Master's student	4.4	STUDY ON FLOW PATTERN AND ASSOCIATED BED DEFORMATION IN
	Shahinur		<u>11</u>	THE OFF-TAKE REGION OF GORAI RIVER, BANGLADESH
	PHUNTOSHO	Master's student	<u>12</u>	COMPREHENSIVE EVALUATION OF FLOOD MITIGATION MEASURES BASED
	Tashi		12	ON CLIMATE CHANGE IMPACT ASSESSMENT IN THE WANGCHU BASIN
Research	DORJI Nima	Master's student	4.0	ASSESSMENT OF WATER RESOURCES UNDER CHANGING CLIMATE FOR
			<u>12</u>	EFFECTIVE HYDROPOWER AND AGRICULTURE PRODUCTIONS IN PUNA TSANGCHHU BASIN, BHUTAN
	SILVA ARAUJO	Master's student		FLOOD IMPACT ASSESSMENT IN THE ITAPOCU RIVER BASIN, BRAZIL
	Rafael	Madedi d deadone	<u>13</u>	1 20 0 D AMILY (CO 1 / CO 20 CM EVE) AND A COME BY CO
	MARTINS AMENO	Master's student		HAZARDOUS AREA RESULTING FROM TAILINGS DAM FAILURE
	Herman Ziyang		<u>13</u>	
	Khin Si Si Hlaing	Master's student	<u>14</u>	DEVELOPING AN INTEGRATED WATER RESOURCES MANAGEMENT
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	Till Aurig Will	iviaster s student	<u>14</u>	REGRET STRUCTURAL MEASURES IN CHINDWIN RIVER
	MAHARJAN Kapil	Master's student		NUMERICAL STUDY FOR INFLUENCES OF FLOW DIVERSION ON CHANNEL
			<u>15</u>	MORPHOLOGY CASE STUDY OF BAGMATI RIVER, CENTRAL NEPAL

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	Mahesh			INFLUENCE ON INTAKE OF SUNSARI MORANG IRRIGATION PROJECT, NEPAL
	FARIAL Khawar	Master's student	<u>16</u>	CLIMATE CHANGE IMPACT ASSESSMENT ON THE FLOOD RISK CHANGE
Research				IN KECH RIVER, TURBAT BALOCHISTAN, PAKISTAN
		Master's student	<u>16</u>	Comments from ICHARM master's program students
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	Acierto	Specialist	17	Dynamic downscaling of climate change projections for basin-scale impact assessment
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Education	Salifou Dene	Volta Basin	<u>22</u>	Comments from visiting researchers: Salifou Dene
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	IKEDA Tetsuya	Director for	<u>23</u>	ICHARM's contribution to the international network activities under the COVID−19
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ropios	KOIKE Toshio	Executive Director	<u>4</u>	Science Council of Japan recommends the promotion of disaster resilience and
	Maksym Gusyev	Research Specialist	<u>5</u>	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	<u>7</u>	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"
Research	MOROOKA Yoshimasa	Researcher	<u>10</u>	ICHARM holds the 65th R&D Seminar
	SHINYA Takafumi	Deputy General Manager, Construction Department, East Japan Railway	<u>11</u>	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	<u>14</u>	<introduction icharm="" of="" projects="" research=""> Research conducted on water-related hazards: Efforts at Kanazawa University and Flood Disaster Prevention Division of NILIM</introduction>
	AIDA Kentaro	Research Specialist	<u>16</u>	Supporting ongoing ICHARM projects by applying analytical technologies using satellite remote sensing to water-related disasters
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T	Md Majadur Rahman		<u>19</u>	Comments from new doctoral course students: Md Majadur Rahman
Training &	Master's student	Master's student	<u>20</u>	Comments from new master's program students
Education	Christian Darwin Jacob Valencia	Engineer II, Safety and Disaster Management Coordination Division, Bureau of Maintenance, Department of Public Works and Highways, Manila, Philippines	<u>21</u>	Action Reports from ICHARM Graduates: Christian Darwin Jacob Valencia
Information		Senior Researcher	<u>22</u>	Typhoon Committee 9th meeting of working group on hydrology and 15th integrated workshop on the WEB
Networking	MOROOKA Yoshimasa	Researcher	<u>23</u>	ICHARM holds the ICHARM Webinar 2020 –Interaction with Students and Young Researchers
Editor's Note	MIYAZAKI Ryosuke	Chief Staff	<u>25</u>	Editor's Note

Volume16, No.1, Issue No.60, April 2021

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	TAKEUCHI Kuniyoshi	Founding Director of ICHARM	<u>3</u>	Congratulations on the 15th anniversary of ICHARM
Special Topics	TERAKAWA Akira	Senior Advisor, Disaster Prevention Solutions, Ltd	<u>4</u>	On the occasion of the 15th anniversary of ICHARM
	EGASHIRA Shinji	Research and Training Advisor	<u>6</u>	On vertical profile of suspended sediment concentration resulting from a magic
	KURIBAYASHI Daisuke	Reconstruction Agency	9	⟨Special contribution⟩ Radiation risk communication by the Reconstruction Agency
Research	USHIYAMA Tomoki	Senior Researcher	<u>11</u>	<introduction icharm="" of="" projects="" research=""> Development of ensemble flood forecasting and dynamic downscaling of climate models</introduction>
	KAKINUMA Daiki	Research Specialist	<u>12</u>	Development of real-time flood forecasting system for the small and medium
	MOROOKA Yoshimasa	Researcher	<u>13</u>	ICHARM holds the 66th R&D Seminar
	MIYAZAKI Ryosuke	Chief Staff	<u>14</u>	Educational program updates
Training & Education	Asghar	Deputy Director– IT, Pakistan Meteorological Department	<u>17</u>	Action Reports from ICHARM Graduates: Malik Rizwan Asghar
	TOMIZAWA Yosuke	Senior Researcher	<u>18</u>	Typhoon Committee – 53rd Session
Information Networking		Director for Special Research	<u>19</u>	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	<u>21</u>	AWCI Session for the 13th AOGEO Symposium
Editor's Note	YOSHINO Hirosato	Senior Researcher	<u>23</u>	Editor's Note

Volume16, No.2, Issue No.61, July 2021

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Message from Executive Director	KOIKE Toshio	Executive Director	1	End-to-End Science
Special Topics	TOMIZAWA Yosuke	Senior Researcher	<u>3</u>	5th ICHARM Governing Board Meeting was held
	HARADA Daisuke	Research Specialist	<u>5</u>	ICHARM session was held in the conference ICWFM2021, organized by BUET (March 30th, 2021)
	Mohamed Rasmy Abdul	Senior Researcher	<u>5</u>	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	<u>7</u>	The kick-off meeting of HyDEPP-SATREPS in the Philippines was held online
	QIN Menglu	Research Specialist	<u>9</u>	⟨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
Research	NAGUMO Naoko	Research Specialist	<u>10</u>	⟨Introduction of ICHARM research projects⟩ Geomorphic analysis on sediment transport during torrential rainfall in mountainous
1100001	Selvarajah Hemakanth	Doctoral student	<u>12</u>	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	<u>14</u>	<introduction by="" icharm="" of="" ph.d.="" projects="" research="" students=""> Integrated operation of reservoirs for maximizing hydropower and reducing flood risk</introduction>
	ITAGAKI Osamu	Doctoral student	<u>17</u>	<introduction by="" icharm="" of="" ph.d.="" projects="" research="" 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</introduction>
Training &	MIYAZAKI Ryosuke	Chief Staff	<u>19</u>	Educational program updates
Education	Herman Ameno	Lieutenant Firefighter, Military Fire Brigade of Minas Gerais, Brazil	<u>22</u>	Action Reports from ICHARM Graduates: Herman Ameno
Information	MIYAMOTO Mamoru	Researcher	<u>23</u>	E-learning & Workshop for Fostering "Facilitators" in Davao City, Philippines
Networking	,	Director for Special Research	<u>25</u>	ICHARM organized the Science and Technology Panel at the 5th UN Special Thematic Sessions on Water and Disasters
Public Relations	KOBAYASHI Hajime	Chief Researcher	<u>26</u>	The 12th ICHARM Open Day held online, first in its history
Miscellaneous	NAITO Kensuke	Researcher	<u>27</u>	ICHARM Executive Director KOIKE Toshio received FY2020 JSCE International Lifetime Contribution Award
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i Neseai cii	Tevita Aho	Master's student	<u>11</u>	Impact of climate change, sea-level rise in Tongatapu, Ha' apai and its effect on livelihood, Tonga
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