Table of Contents

1. Asıar	Disaster Reduction Center	3
1.1 Key	Activities	3
1.2 Cor	nposition	3
1.2.1	Member and Advisor Countries	4
1.2.2	Partner Organizations	6
2. Highl	ights of FY2022	9
	vities in Figures	
	an Conference on Disaster Reduction 2022	
2.2.1	Opening and Keynote Speeches	10
2.2.2	Special Session on the Centenary of the Great Kanto Earthquake	11
2.2.3	Session 1: Large Scale Disasters and Countermeasures	12
2.2.4	Session 2: Disaster Data Linkage: Application of GLIDE	13
2.2.5	Session 3: Provision of Information via Satellite for DM	15
2.2.6	Field Visits	17
2.2.7	Side Event: JIPAD Seminar	18
2.3 Rep	oort on Türkiye-Syria Earthquakes 2023	18
2.3.1	Issuance of GLIDE numbers	19
2.3.2	Satellite imageries	19
2.3.3	Assessments	19
2.4 Tsu	nami Seminar 2022	20
2.5 Wo	rkshop at the BOSAI KOKUTAI 2022	21
3. Inforr	nation Sharing on DRR	25
3.1 Info	rmation Collection	25
3.1.1	Country Reports on DRR	25
3.1.2	Latest Disaster Information (FY2022)	26
3.1.3	Natural Disaster Databook	28
3.2 Info	rmation Dissemination	29
3.2.1	ADRC Highlights	29
3.2.2	Data Sharing through GLIDE Number System	29
3.2.3	Data Sharing through Sentinel Asia	30
4. Huma	n Resource Development	35
4.1 Visi	ting Researchers Program	35
4.1.1	Activities During the Program	35
4.1.2	Research Topics	
4.1.3	Networking of Visiting Researchers	36
4.2 JIC	A Knowledge Co-creation Program	37
4.2.1	Comprehensive Disaster Risk Reduction for Central and South America	37
4.2.2	Comprehensive Disaster Risk Reduction for African Region	38

4.2.3	Comprehensive DRR for Central Asia and the Caucasus	38
4.2.4	Promotion of Mainstreaming Disaster Risk Reduction	39
4.2.5	Comprehensive Disaster Risk Reduction Course	40
4.2.6	Strengthening Disaster Risk Reduction Capacity for Malaysia	40
4.3 S	hort-Term Programs	41
4.3.1	Internship at ADRC	41
4.3.2	KOBE Global Challenge	41
4.3.3	Try-Yaru	42
5. Coo	peration and Partnerships	45
5.1 R	esearch Cooperation	45
5.1.1	QZSS DC Report Demonstrations	45
5.1.2	Climate Change Impact Projection Study	45
5.1.3	ERIA Research Project	46
5.2 In	ternational Engagements and Partnerships	46
5.2.1	APEC-EPWG	46
5.2.2	APRSAF/Sentinel Asia	48
5.2.3	UNDRR/APP-DRR	49
5.2.4	ESCAP/WMO: Typhoon Committee	50
5.2.5	Spatial Planning Platform	52
5.2.6	Other International Engagements	53
6. Inter	rnational Recovery Platform	57
6.1 In	ternational Recovery Forum 2023	57
6.2 T	he Fifth Edition of the World Reconstruction Conference (WRC5)	58
6.3 C	ontributions to the Mid-Term Review of the Sendai Framework	60
6.4 71	th National Convention for the Promotion of Disaster Reduction	60
7. Natu	ıral Disaster Databook 2022	63
7.1 N	atural Disaster Data	64
7.1.1	Global Disaster Data	64
7.1.2	Asian Disaster Data	69
7.2 C	limate Related Disasters	74
7.2.1	Global trend in climate-related disasters	74
7.2.2	Asian trend in climate-related disasters	
7.3 C	OVID-19 Data	76
7.3.1	Global Situation	76
7.3.2	COVID-19 Situation in ADRC Member Countries	77

Annexes

Annex 1: History of Establishment of ADRC
Annex 2: Overview of International Recovery Platform
Annex 3: Notes on Sources of Data for the Natural Disaster Databook

List of Tables

- Table 1.1 Timeline of the Expansion of Member and Advisor Countries
- Table 1.2 Counterpart Agencies
- Table 3.1 List of reports from ADRC member countries

List of Figures

- Figure 1.1 Map of member and advisor countries
- Figure 2.1 Highlights of ADRC Activities in FY2022
- Figure 2.2 Group Photo at the Asian Conference on Disaster Reduction 2022
- Figure 2.3 Keynote Speakers at the Opening Session of ACDR2022
- Figure 2.4 Speakers of the Special Session on the Centenary of the Great Kanto Earthquake
- Figure 2.5 Speakers of Session 1 of ACDR2022
- Figure 2.6 Speakers of Session 2 of ACDR2022
- Figure 2.7 Speakers of Session 3 of ACDR2022
- Figure 2.8 ACDR2022 participants during the field visit in Yuriage, Natori City
- Figure 2.9 Agenda of the JIPAD Seminar
- Figure 2.10 Satellite imageries of the 2023 Türkiye Earthquakes from Sentinel Asia
- Figure 2.11 List of Provinces affected and the Seismic Activity map of the 2023 Türkiye-Syria Earthquakes
- Figure 2.12 Speakers of ADRC Online Tsunami Seminar 2022
- Figure 2.13 Participants of ADRC Workshop at the BOSAI KOKUTAI 2022
- Figure 2.14 Flyer of the Workshop at the BOSAI KOKUTAI 2022
- Figure 3.1 Latest Disaster Information on the ADRC Website
- Figure 3.2 Cover of Natural Disaster Databook 2021
- Figure 3.3 Data showing that climate-related disaster affected more people and causing greater economic losses
- Figure 3.4 Front page of ADRC Highlights Vol. 36, April 2023
- Figure 3.5 Homepage of GLIDE website
- Figure 3.6 Data Provider Nodes and Emergency Observations Records, 2007–2022
- Figure 4.1 Visiting Researchers during one of their site visits in Japan
- Figure 4.2 Accumulated total number of VRs as of March 2023
- Figure 4.3 Former VRs from Mongolia (left) and Armenia (right) during the ACDR2022
- Figure 4.4 Mr ARAKIDA Masaru of ADRC giving lecture on the 8 Steps in Formulating Local DRR Strateg
- Figure 4.5 Screenshot of Online Training for the African Region
- Figure 4.6 Trainees from Central Asia and Caucasus visited DRR facilities
- Figure 4.7 Participants from Bangladesh, Indonesia, and Mexico during the training in Japan
- Figure 4.8 Trainees visited flood control facilities along Shirakawa River, Kumamoto
- Figure 4.9 Participants from Malaysia during lectures at JICA Kansai
- Figure 4.10 Mr Keir Hamilton (Intern)
- Figure 4.11 Mr Jhumar Sioson (Intern)
- Figure 4.12 Kobe University students at ADRC during the KOBE Global Challenge Program
- Figure 4.13 Seventh-grade students at their Try-Yaru program at ADRC
- Figure 5.1 Outline of the Concept of QZSS DC Report
- Figure 5.2 Example of using the outcomes of the climate change impact project study to inform policy
- Figure 5.3 Screenshot of the 18th EPWG Meeting
- Figure 5.4 Screenshot of the 15th SDMOF Meeting
- Figure 5.5 Dr Potutan served as speaker at the workshop
- Figure 5.6 Dr Ikeda delivered a presentation at APRSAF-28
- Figure 5.7 7th Session of the Global Platform in Bali, Indonesia
- Figure 5.8 ADRC Partner Event at the APMCDRR in Brisbane, Australia
- Figure 5.9 Screenshot of the 17th WGDRR Meeting
- Figure 5.10 Screenshot of the 17th Integrated Workshops (IWS)
- Figure 5.11 Screenshot of the 55th Session of the Typhoon Committee
- Figure 5.12 Study presentation at the 5th SPP meeting
- Figure 5.13 Group Photo of the Regional Forum in Dushanbe, Tajikistan
- Figure 5.14 Survey Team from Uzbekistan during their visit in Japan
- Figure 6.1 Prof TAKEMURA Masayuki of Nagoya University
- Figure 6.2 Panel Discussion 1 of the International Recovery Forum 2023
- Figure 6.3 IRP SC Chair and members at the 5th World Reconstruction Conference (WRC5) in Bali, Indonesia
- Figure 7.1 Trend of natural disaster occurrence 1900-2022 (EM-DAT/CRED, 2023)
- Figure 7.2 Global disaster occurrence by disaster type 1992–2021 vs 2022 (EM-DAT/CRED, 2023)

- Figure 7.3 Number of people killed by disaster type 1992–2021 vs 2022 (EM-DAT/CRED, 2023)
- Figure 7.4 Number of people affected by disaster type 1992–2021 vs 2022 (EM-DAT/CRED, 2023)
- Figure 7.5 Economic losses by disaster type 1992–2021 vs 2022 (EM-DAT/CRED, 2023)
- Figure 7.6 Trend of natural disaster occurrence in Asia 1900–2022 (EM-DAT/CRED, 2023)
- Figure 7.7 Top 10 countries in Asia with high occurrence of disasters in 2022 (EM-DAT/CRED, 2023)
- Figure 7.8 Disaster occurrence in Asia by disaster type 1992–2021 vs 2022 (EM-DAT/CRED, 2023)
- Figure 7.9 Number of people killed by disaster type in Asia 1992–2021 vs 2022 (EM-DAT/CRED, 2023)
- Figure 7.10 Number of people affected by disaster type in Asia 1992–2021 vs 2022 (EM-DAT/CRED, 2023)
- Figure 7.11 Economic losses by disaster type in Asia 1992–2021 vs 2022 (EM-DAT/CRED, 2023)
- Figure 7.12 Global trend of climate-related disasters (drought, flood, and storm) 1992–2021 (EM-DAT/CRED, 2023)
- Figure 7.13 Trend of climate-related disasters (drought, flood, and storm) in Asia 1992–2021 (EM-DAT/CRED, 2023)
- Figure 7.14 Global situation of COVID-19 as of July 2023 (WHO, 2023)
- Figure 7.15 COVID-19 cases in ADRC member countries as of 31 December 2022 (WHO, 2023)
- Figure 7.16 ADRC member countries with the highest increase in the number of deaths by 2022
- Figure 7.17 COVID-19 Situation in ADRC member countries as of December 2022