



Let's Build a
**Sustainable &
Resilient Future**
with CARI!

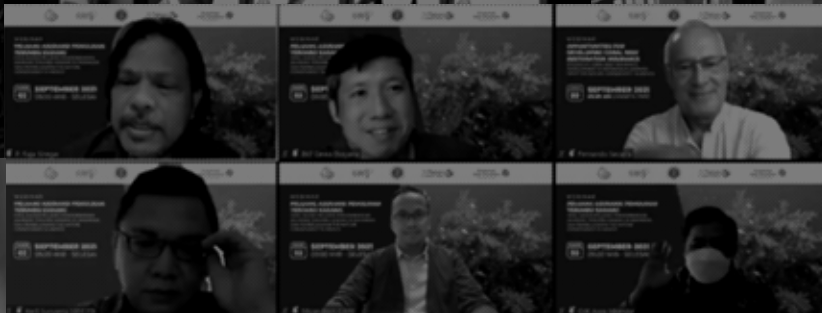
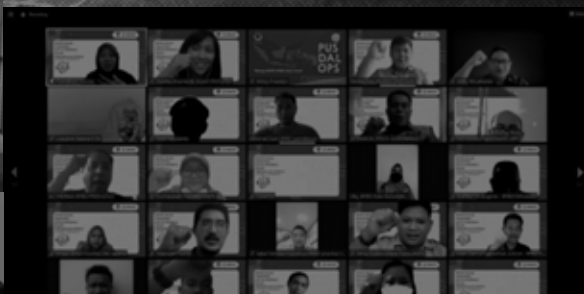


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Principal's Remarks



Mizan B. F. Bisri, PhD

Founder | Principal

CARI! is entering its fourth year of operation in 2023. We are continuing our commitment in providing an end-to-end disaster knowledge management services for development and resilience building in Indonesia and Southeast Asia. The year 2022 allowed us to productively create products and services as well as to strategically bridge to new clients and partners while maintaining our bonding with friends and families in sustainable resilience building. We have started 2023 in a strong position, ensuring business and operational continuity, and venturing across the globe. Sustainable growth will be our focus this year, balancing between for-profit activities and social contribution, prioritizing CARI! Knowledge engine development and publication of Indonesia Disaster Knowledge Update amidst on-demand premium analytics, as well as venturing new areas such as indigenous-knowledge management, water-related disaster, multi-level governance processes, around cities' resilience and SDG #11, and exciting strategic outreach events, such as our involvement as one of the organizers of the upcoming AIWEST-DR 2023 and other events. We look forward to growing together with our team, clients, and partners.

Principal's Remarks



Retno Rifa Atsari, M.Sc

Co-Founder | Vice Principal

CARI! is a group of passionate young professionals with interdisciplinary backgrounds who has the same vision to support resilience development in Indonesia and beyond. We welcome fresh ideas to be implemented in solving challenges and creating better strategies to deliver our work. For the past years, we have collaborated with clients and partners to conduct resilient and sustainable development works, especially in the aspects related to disaster management, through projects and events in Indonesia and ASEAN countries. This year we are ready to actively support actions in combating environmental issues and provide assistance in climate change adaptation through our expertise in extensive studies, ICT systems integration, human capacity building, strategic planning, communication products, and many more. We strive to keep supporting the acceleration of resilience development in various aspects.

Principal's Remarks



Yos Malole, M.Sc.

Vice Principal

With our passion for disaster knowledge management and technology, we have been part of a continuous effort to build sustainable resilience in Indonesia and beyond. The devastating impact of the Cianjur Earthquake that occurred in West Java, Indonesia on 21 November 2022, has reminded all of us that bridging knowledge into practice remains a challenge that we need to solve together. To achieve this goal, our journey has thought us the value of working side-by-side with the government and stakeholders across development sectors, including the environment, health, maritime and tourism sectors. Combining CARI! team's expertise, and optimization of CARI!'s knowledge management portal, we look forward to continue building partnerships and collaboration in building resilience.

Core Team



**Anarita
Widyaningrum, S.T**
Operations Officer



**Devina
Khoirunnisa, M.Eng**
Disaster Management
Officer



**Fega Ayu
Pangestika, S.Psi**
HR Management &
Development



**Fairuz Hasna
Iskanto, S.T**
Research Assistant



**Ainur
Ridho, S.Si**
Data Engineer



**Ramanditya
Wimbardana W, Ph.D.**
Senior Disaster Risk
Management Researcher



**Dewa
Putu A. M., M.Sc**
Data Lead



**Fathia
Lutfiananda, M.Si**
Disaster Management
Officer



**Janine
Febe, S.PWK**
Disaster Management
Officer



**Nada Ainayya
Ridhani, S.H.Int**
Communications
Assistant



**Olga Ayu
Dewantari, S.Si**
Data Analyst



**Firliani
Fauziah**
Junior Programmer



Ridowan, S.T
Research &
Development Lead



**Ridwan
Firdaus, S.Kom**
Full Stack
Developer



**Fajar Ajie
Setiawan, Ph.D.**
Disaster Management
Officer



**Radikal
Lukafiardi, S. Si**
Data Engineer

About

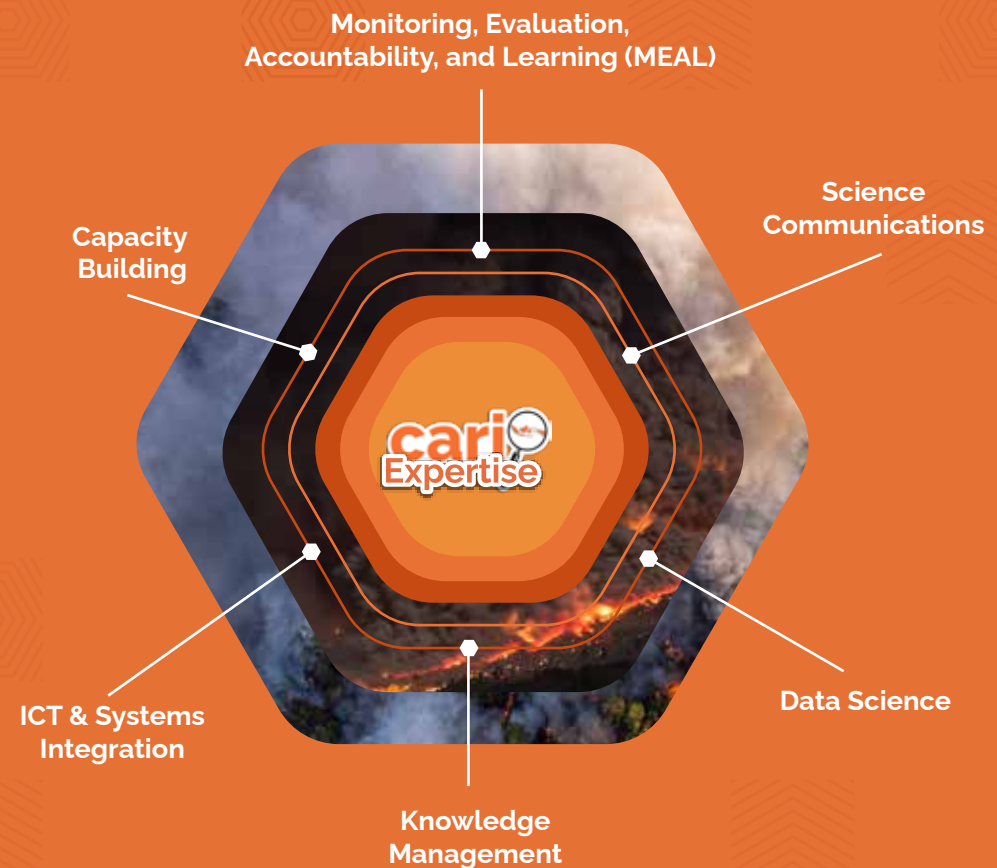
Cerdas Antisipasi Risiko bencana Indonesia (CARI!)* is a research & information technology **social enterprise working to enhance knowledge management for disaster risk reduction and resilient development.**

The paramount vision of CARI is to accelerate the development of a disaster-resilient environment throughout Indonesia and beyond. CARI! supports the government, academics, enterprises, and many others to bridge the whole scientific knowledge to the public.

CARI! team has various experiences in undertaking assessment and stakeholder mappings, developing ICT based information and knowledge management systems, and extensive and intensive studies in disaster management, environment, and climate change.

(*) CARI is an Indonesian word for “search” – Our full name expresses a passion to “anticipate disaster risk intelligently (by using science)”

- Disaster Risk Management
- Climate Actions
- Humanitarian Operations



Problems & Solutions



Insufficient local risk knowledge for applicable policy creation & investments



Limited access to niche disaster experts for private sectors and investors



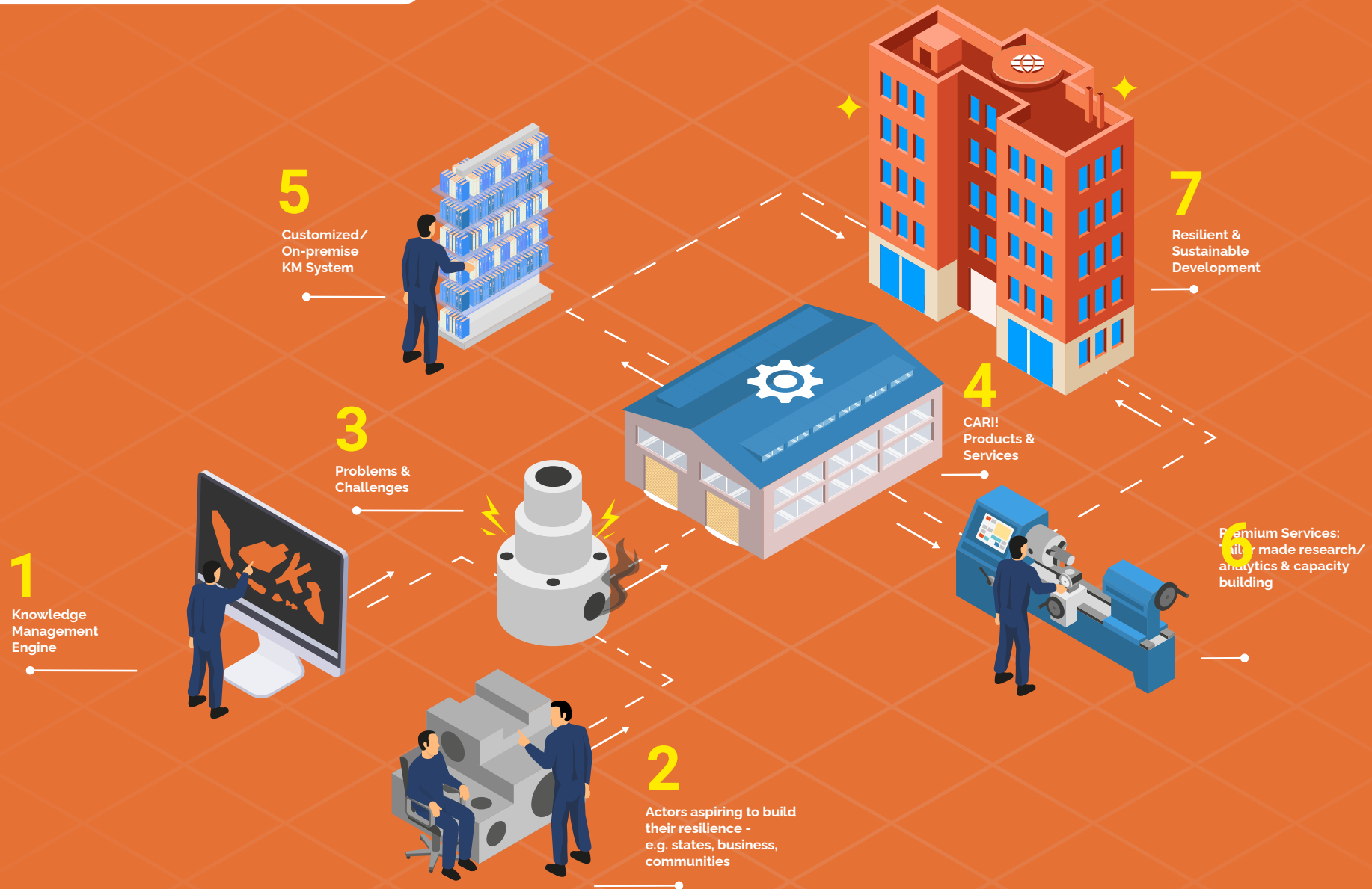
Missing link between risk information and risk knowledge and resilient development efforts (policy & implementation)

CARI! provides premium analytics, tailor-made capacity building, and ICT systems integration for various purposes of resilient development

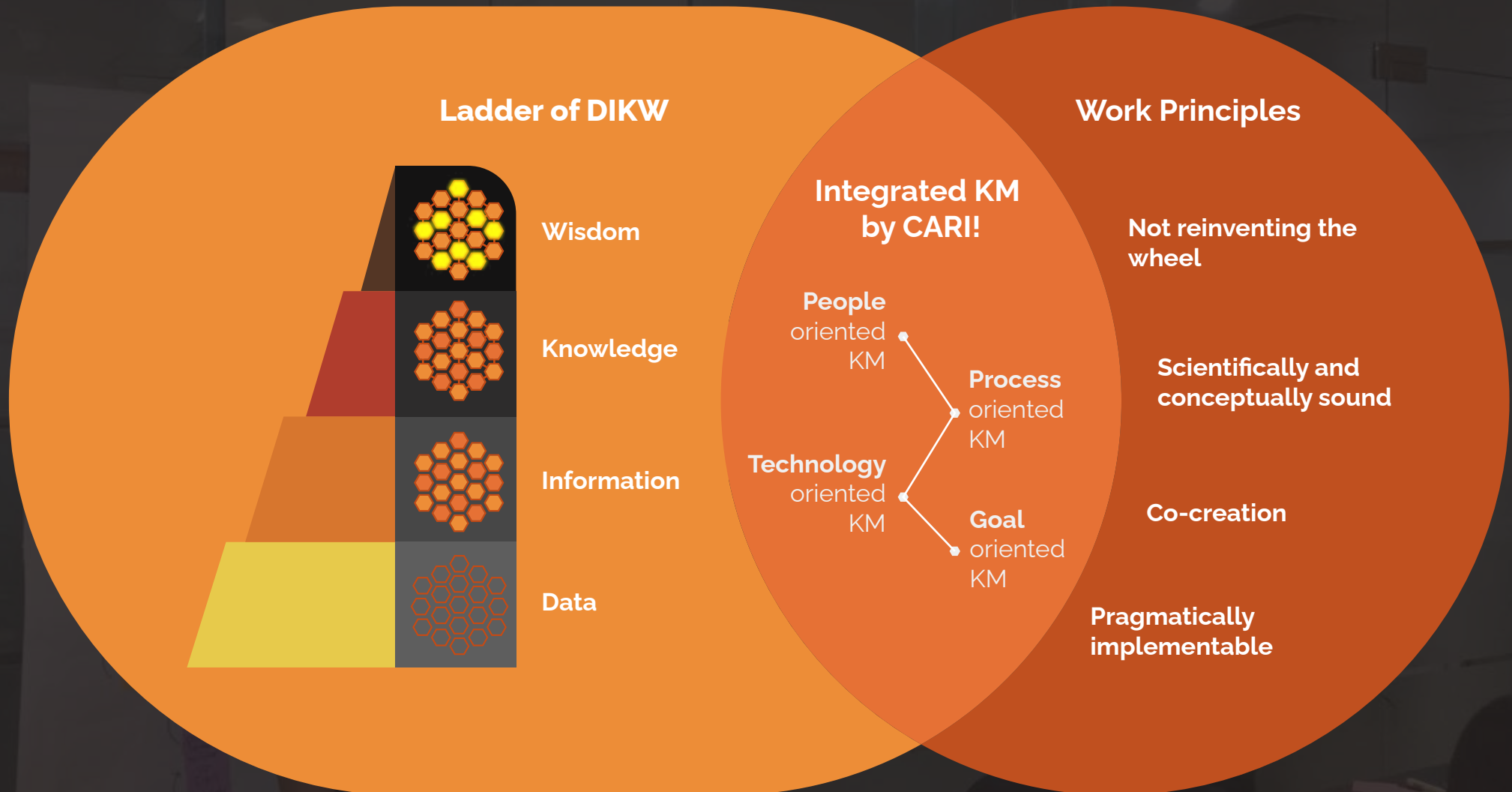


CARI! provides a spatial-based portal enabling access to risk & resilience analytics and insights based on scientifically proven and published research.

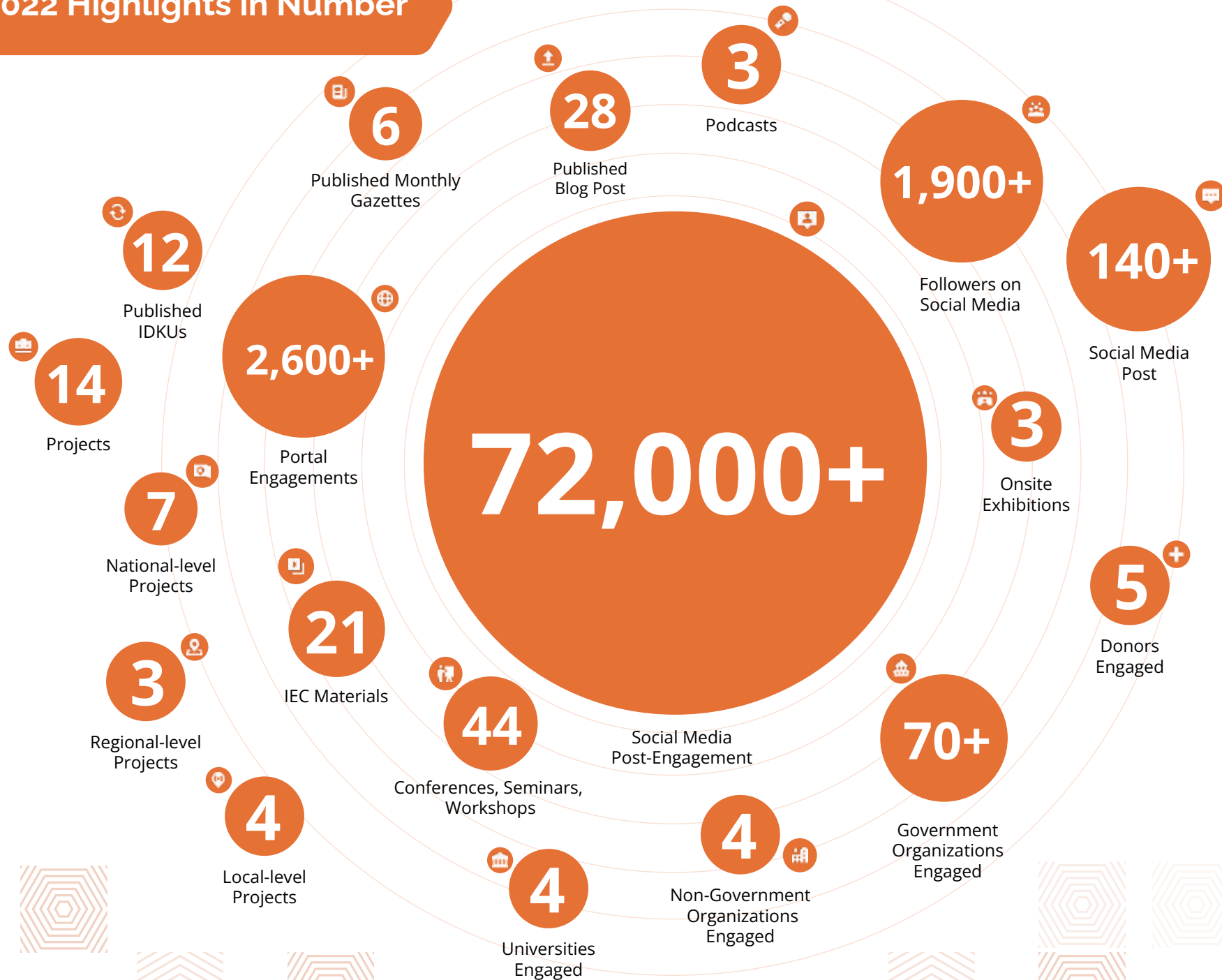
CARI! Operation Model



CARI! Approach



2022 Highlights in Number



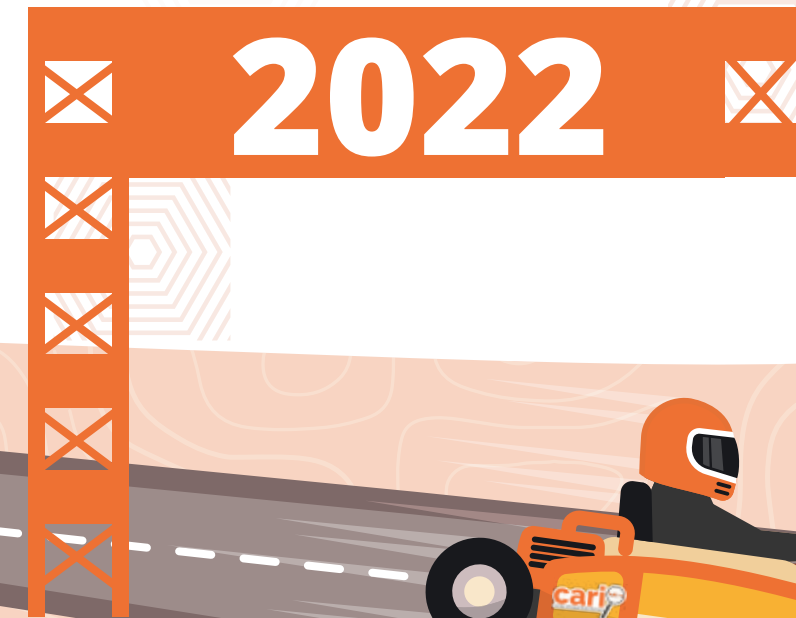
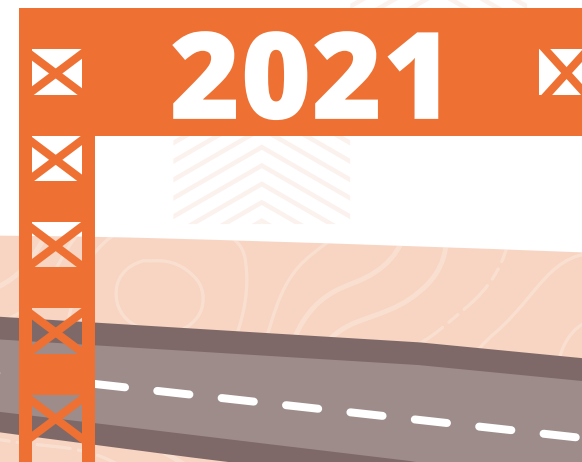
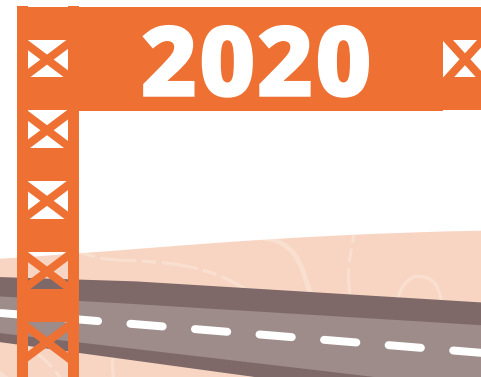
Milestones

During a quick catch-up dinner, Mizan and Rifa reflected upon their experience responding to various disasters across Indonesia in 2018. It leads to our first “Aha” moment that the public needs a new and easy-to-use tool for discovering and accessing relevant disaster knowledge of the country. It was Rifa’s curiosity and energy meeting Mizan’s ongoing postdoc project on a science-policy network. In March 2019, they invited like-minded fellows and co-founded the first CARI! Engine prototype - now the knowledge.caribencana.id. From the get-go, the idea and prototype of CARI! was appreciated during the 2019 GPDRR and eventually won the #1st Best Innovation Award at the 2019 World Bosai Forum. It also led to the first premium project of CARI!. As a starter, for its legal entity, CARI! became an independent start-up unit of PT Samisa Puspaloka, a family-based engineering and management company.

The pandemic did not hold CARI! in expanding its research, development, and operations. The 1st version of CARI! Engine was fully operational - harvesting and covering the full disaster-knowledge landscape of Indonesia. It was featured in UNDRR’s 2020 Status of Science and Technology in Disaster Risk Reduction in Asia Pacific as one of the innovations in the region. By this year, we grew to 10 full-time members working remotely in Indonesia and Japan. We started to gain trust, which paved the way for partnership and collaboration with partners and clients in Indonesia and the Southeast Asian region. In 2020, we closed our sixth project, and the monetary revenue increased close to ten times than in 2019.

Our team was growing rapidly, with 34 members with interdisciplinary backgrounds working together with the same vision to support resilience development in Southeast Asia from our bases in Indonesia, Japan, and Lao PDR. We continued striving using our principles - not reinventing the wheel, scientifically and conceptually sound, co-creation, and pragmatically implementable - in our projects encompassing research, ICT development, science communication, and strategic planning. In 2021, CARI! The engine was upgraded to its second version, and we started producing the monthly Indonesia Disaster Knowledge Update (IDKU) to further reinforce our initiatives to motivate disaster knowledge production and application. The cumulative premium projects up to this year reached 19 items, and the monetary revenue increased three times than in 2020.

2022 is a year of transition for everyone across the globe as it signs recovery after the COVID-19 global pandemic. Fieldwork and remote work are the new normal as it shows that work on resilience building can be done from anywhere. We sustained and improved CARI! Engine and IDKU series further by bolstering our outreach channels through more diverse social media channels and face-to-face presence. These include our presence at the 2022 Global Platform for Disaster Risk Reduction, Indonesian DRR Month, and project fieldwork in multiple countries in Southeast Asia. We paved goodbye to 2022 with our 36th premium project that marked total revenue doubled compared to 2021. As we welcome 2023 and to strengthen our involvement in resilience development, CARI! established its independent legal entity - Yayasan Cerdas Antisipasi Risiko Indonesia (a foundation). We aim to continue our vision of intelligently anticipating risk for resilience development, not only limited to disaster risk, but also other types of societal risk from climate change, environmental degradation, health risk, and others.

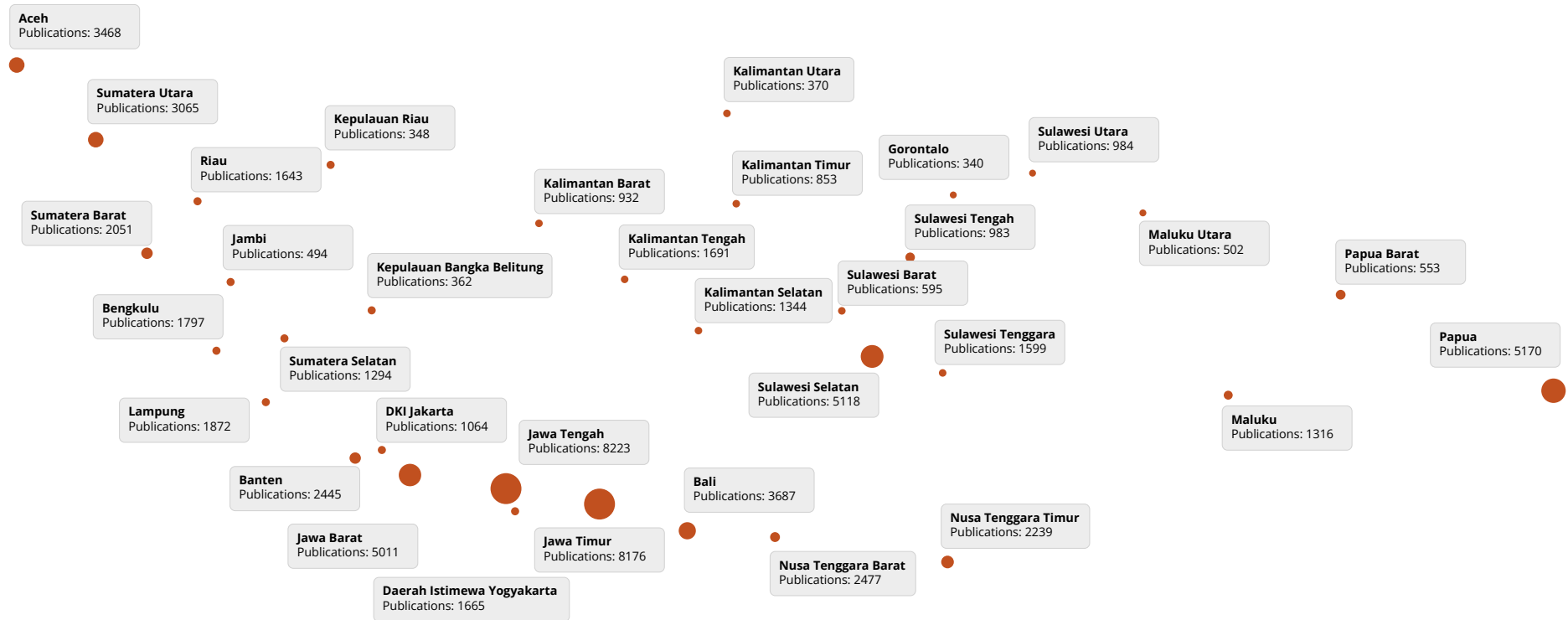




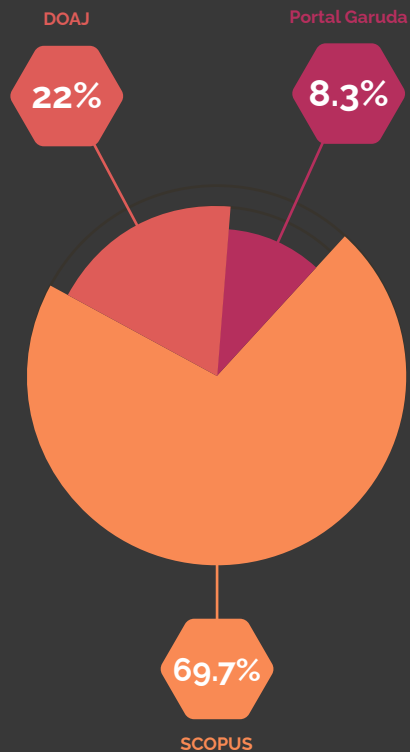
NUMBERS OF RESEARCH PUBLICATIONS BY LOCATIONS

453,769 RESEARCH ARTICLES

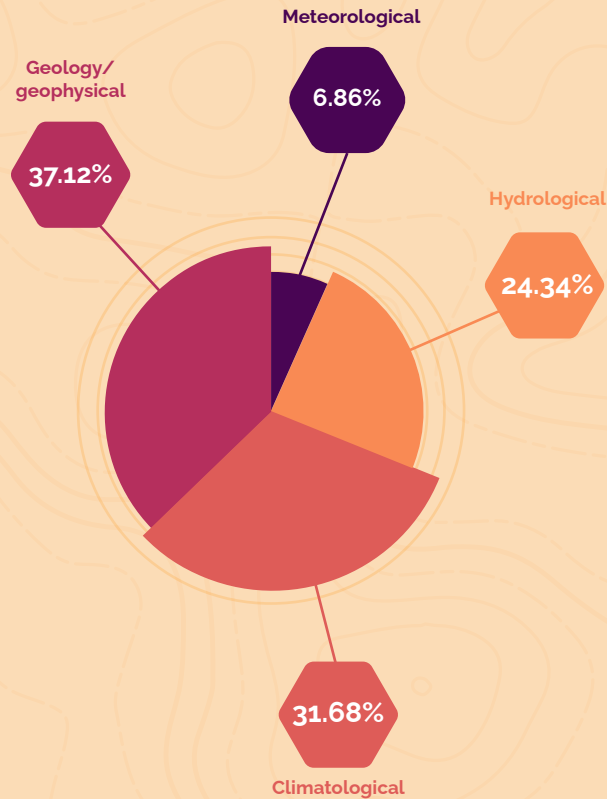
73,346 NUMBER OF GEO-TAGGED RESEARCH ARTICLES



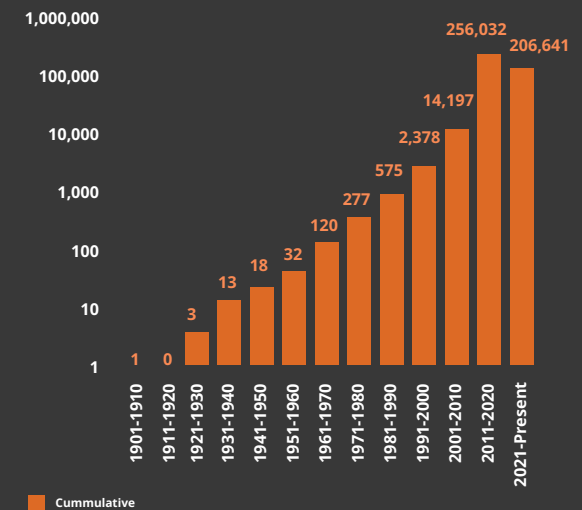
Number of Research Publications



NUMBER OF RESEARCH PUBLICATIONS BY SOURCE



NUMBER OF RESEARCH PUBLICATIONS BY HAZARD CLUSTER



NUMBER OF RESEARCH PUBLICATIONS BY YEAR

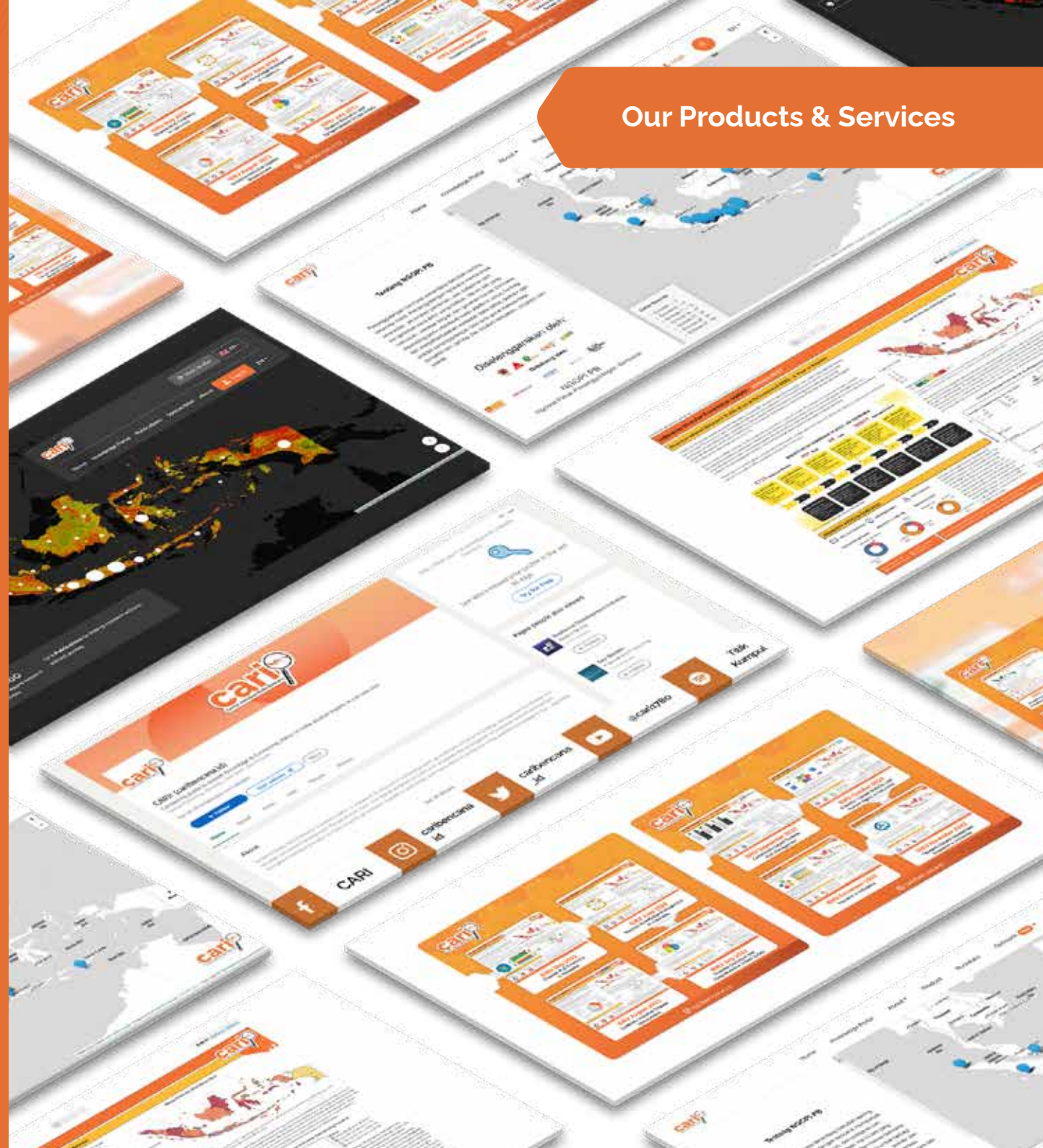
Project Map



Our Voluntary Contributions to the Society

- CARI! Engine - Knowledge Management Portal
- Indonesia Disaster Knowledge Update
- Science Communications Products
- Ngopi PB StoryMaps

Our Products & Services





Our Products & Services

Our Premium Products and Services

- ICT System Integration
- Capacity Building
- Strategic Planning
- Premium Analytics
- Information, Education, and Communication (IEC) Products

CARI! Engine - Knowledge Management Portal

Our CARI! Engine - a knowledge management portal that is a free-to-use, machine-assisted, and spatially visualized search engine to find disaster knowledge in Indonesia. Currently, we have gathered more than 495,080 research articles about disasters in Indonesia sourced from major indexing tools, such as Scopus, DoAJ, Google Scholar, and Portal Garuda. Among them, 73,000 are locally relevant, geo-tagged, and spatially visualized. This feature is also equipped with a map that shows the distribution of research articles amidst their disaster risks level officially sourced from the InaRISK. The feature enables users to explore spatially down to the district level. Upon request and through premium services, the engine is customizable for other countries and subject matters. It is highly useful for different use cases, including tailor-made research, analytics, and capacity building, as well as customized KM system development for our clients and partners to build resilience and sustainable development.

CARI! Products



Visit!

www.knowledge.caribencana.id




Indonesia Disaster Knowledge Update

Using data and knowledge gathered from our crawling engine, CARI! provides a monthly update on the disaster knowledge landscape, strategies, gaps, and trends in Indonesia, in a bite-sized format, named Indonesia Disaster Knowledge Update (IDKU). On one hand, IDKUs can help to understand the wealth of and shed light on the extent of disaster knowledge in Indonesia. On the other hand, it also shows various gaps either geographically or in specific phases of disaster risk management or its disconnection with a variety of development sectors. They cover diverse themes ranging from hazard-specific updates to specific disaster management themes in their connection to the broader development world, such as disaster education, risk financing, human-rights-based approach, and more. As of May 2023, we have published a total of 24 IDKUs.

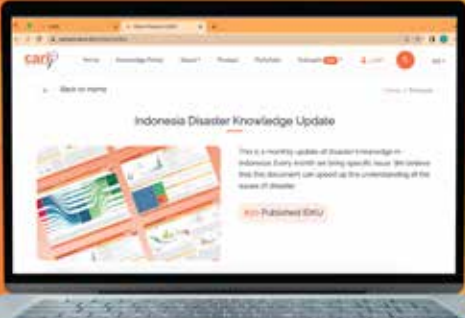
CARI! Products

D

U



You can easily access
**Indonesia Disaster
Knowledge Update** at
<https://caribencana.id/products/idku>



Indonesia Disaster
Knowledge Update



IDKU May 2022
Disaster Risk Financing
in Indonesia



IDKU June 2022
Disaster Knowledge Management
in Indonesia



IDKU August 2022
Disability-inclusive Disaster
Management



IDKU July 2022
Disaster Education and
Comprehensive School Safety

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IDKU September 2022
Community-based Disaster
Risk Management



IDKU October 2022
Disaster, Human Mobility, and
Human Rights in Indonesia



IDKU December 2022
Tsunami in Indonesia



IDKU November 2022
Tsunami Hazard Assessment
Research in Indonesia

caribencana.id

K

Science Communications Products

Social media is all about connecting – we send updated information, follow people, share ideas, and create partnerships through multiple social media channels, including **Instagram, LinkedIn, Twitter, Youtube**, and **podcast recordings**. Subscribe to our social media channels for awesome content on disaster knowledge and CARI!'s solutions for disaster risk reduction and resilience building.

CARI! Products

Science Communications Products



@caribencana.id



CARI



@caribencana_id



CARI!
(caribencana.id)



CARI1780



Spotify Podcast
Titik Kumpul



ICT Systems Development and Integration

The systems integration component is often the critical path and is considered one of the most complicated stages in ICT development. CARI! supports clients in successfully delivering tailor-made systems integration solutions to address this complexity according to industry best practices. CARI! solutions are robust, reliable, scalable, and fully documented to ensure future maintenance and upgrade. Our team has supported various institutions, including the government and the non-government organization, in developing tailor-made ICT systems integrations.



AADMER Work Programme Web-based
M&E System mneawp.asean.org



Earthquake Knowledge Portal
caribencana.id/portal_cest/



System Integration for
Sub-National Resilience Measurement



Indonesian Disaster History Portal
sejarah.dibi.bnpd.go.id



ASEAN Environment Knowledge Hub



CARI!'s Project Management

Capacity Building

We fully believe in the importance of investment in individual and collective capacity building to solve the complex risks and challenges face by our humanity and world. Our approach in capacity building mainly tailored to address the needs in youth and adult learning. It ensure investment in competency development including knowledge diffusion, skills advancement, and positive attitude transformation. We combine horizontal and vertical self-development approaches with classic pedagogy application. Our team has supported institutions such as government organizations, NGOs, and development partners in developing and implementing capacity building programs. CARII services in human capacity building have ranged from training needs assessment (and alike), designing training curriculum, developing learning materials, engaging resource persons and partners, implementing capacity building event and program, and conducting their evaluations. Our capacity building support is also often bundled with premium services on ICT systems development and integration or Premium Analytics.



Strategic Planning

To accelerate disaster-resilient and sustainable development of society through science, we support a wide variety of clients by providing strategic planning advisory. By working with government, academics, enterprises, NGOs, and many others, our service can help to develop comprehensive and effective strategies for achieving sustainable development goals and reducing disaster risks. The strategic planning advisory would involve a collaborative process of analyzing the needs and priorities of the stakeholders, identifying gaps and opportunities for improvement, resources mapping and mobilizing, and developing customized plans and strategies that align with the client's goals and objectives and their stakeholders. The advisory would also provide ongoing support and guidance to ensure that the plans and strategies are implemented effectively and that progress is monitored and evaluated.



Technical Work for
**Developing ASEAN's AADMER Programme
2021 - 2025**



Development of SOPs on
**Emergency Operation Centre, and National
and Local Response Preparedness**



Comprehensive Multi-hazards Vulnerability and Risk
Assessment (CMVRA) Guideline, and Training Manual

Premium Analytics

Supported by our data and knowledge engine, we provide premium analytics to co-produce actionable information, knowledge, and wisdom tailor-made to our client's objectives. Our team specialize in a wide array of expertise and has supported over 28 projects over the past 4 years. These projects range from the whole spectrum of disaster risk management, climate change adaptation, environmental protection, urban planning, policy development, monitoring and evaluation, and more.

Our Premium Analytics (Use Cases)



1. Study on “Enhancing an Enabling Environment for Education Continuity in a Multi-Hazards Setting” for ASEAN Safe School Initiatives consortium, 2019. **(International)**
2. Study on “Indonesian Humanitarian System Baseline Mapping”, for Humanitarian Advisory Group, a joint venture with Pujiono Centre, 2020. **(National)**
3. InaRISK User Usability Study and promotional video production, for National Disaster Management Authority (BNPB) through INVEST-DM Program, 2020. **(National)**
4. Technical work for AADMER Work Programme 2021-2025 formulation, a joint venture RDI & CARI! for ASEAN Secretariat, 2020. **(International)**
5. Technical Study for “Standar Pengembangan Daerah Aman Bencana (SPDAB) / Disaster-safe city/regency Standard” for the National Disaster Management Authority (BNPB), 2020. **(National)**
6. Baseline Risk Assessment of Selected Coastal Areas in Indonesia, as part of insurance program development, for Yayasan Konservasi Alam Nusantara / The Nature Conservancy, 2021. **(National)**
7. In-depth stakeholder assessment for coastal insurance program development for Yayasan Konservasi Alam Nusantara / The Nature Conservancy, 2021. **(National)**
8. Current and Future Local Humanitarian Leadership in Indonesia, a joint venture with Pujiono Centre, 2021. **(National)**
9. Scoping Study “Pathways for Finding Talents and Nurturing Research Leaders” for The Conversation Indonesia, 2021. **(National)**
10. Knowledge Management Product Development on ICDRM Program in Bangladesh and the Philippines for Plan International, 2021. **(International)**
11. ICT Course and Assessment of ASEAN EOCs Network Connectivity for the AHA Centre, 2021. **(International)**
12. Rapid nationwide resilience assessment for Making Cities Resilient stages-assessment and Standard for the Development of Disaster Safe Areas for Palladium International and National Disaster Management Authority (BNPB) / Siap Siaga Program, 2021. **(National)**
13. Disaster and Climate Change Behavior Change Communication (BCC) Study for American Red Cross and Indonesian Red Cross, 2021. **(National)**
14. Technical Study for “Guideline for the calculation of the number of death caused by disasters” for the National Disaster Management Authority (BNPB) through INVEST-DM / USAID, 2021. **(National)**
15. Final Evaluation of ASEAN’s ICT Project Phase IV of the ASEAN Coordinating Centre for Humanitarian Assistance on disaster management for AHA Centre, 2021. **(International)**
16. Comprehensive Multi-hazards Vulnerability and Risk Assessments (CMVRA) in Attapeu Province and preparation of CMVRA guidelines for MoLSW Lao PDR through IPCREA funded by KOICA, 2021-2022. **(International)**

17. Preparation of SOPs for Emergency Operations Center and Emergency Response Planning for MoLSW Lao PDR through IPCREA funded by KOICA, 2021-2022.
(International)
18. Development of Indonesia Disaster Resilience Outlook for the National Disaster Management Authority (BNPB) through SIAP SIAGA Program, 2022.
(National)
19. Vulnerability assessment of Seascape in Raja Ampat for Yayasan Konservasi Alam Nusantara, 2022. **(National)**
20. Integrating Nature-based Solutions into DRR and CCA in Indonesia, for Yayasan Konservasi Alam Nusantara & The Nature Conservancy, 2022. **(National)**
21. Technical Experts for Updating the Pusdalops Guideline for National Disaster Management Authority (BNPB) through INVEST-DM / Mercy Corps and USAID, 2022. **(National)**
22. Development of Indonesian new Disaster Resilience Index for cities (New IKD), for the National Disaster Management Authority (BNPB) through SIAP SIAGA Program, 2022. **(National)**
23. A Bibliometric Analysis of Research at the Nexus of Climate Change, Human Mobility, and Human Rights for Raoul Wallenberg Institute of Human Rights & Humanitarian Law, 2022. **(International)**
24. Feasibility Study on Forecast-Based Early Action (FBEA) in East Jakarta and Alor for Wahana Visi Indonesia, 2023. **(National)**
25. Study of Inclusion Aspects in Forecast-Based Budgeting Planning System in Social Protection Programs Applicable in Indonesia for Arbeiter-Samariter-Bund Indonesia and The Philippines, ongoing, 2023. **(National)**
26. Development of Guideline for the Development of Resilient Tourism for the Ministry of Tourism and Creative Economy (Kemenparekraf), ongoing, 2023.
(National)
27. Cities Enabling Environment Asia Pacific 2023 for United Cities and Local Government - Asia Pacific (UCLG-ASPAC), ongoing, 2023. **(International)**
28. Nature-based Solutions Policy Assessment for Wakatobi and Sabu Raijua for Yayasan Konservasi Alam Nusantara, ongoing, 2023. **(National)**
29. Outcome and Impact Evaluation of Programs of the Directorate General of Culture, Ministry of Education, Culture, Research, and Technology, ongoing, 2023.
(National)

Information, Education, and Communication (IEC) Products

CARI! offers a range of IEC products that are tailored to meet the unique needs and preferences of our clients and their readers. Our products include a variety of materials such as brochures, posters, flyers, infographics, videos, and interactive digital content. We use cutting-edge design and technology to develop visually appealing and interactive materials that are easy to understand and engage with. Our team of experts uses a research-based approach to develop IEC products that are effective in delivering key messages and driving behavior change.

Our Support for IEC Materials

E



IEC Materials



C



shows the bird-eye view of current local resilience commitment and status across Indonesia

Endorsements/Testimonials



Professor Rajib Shaw

The Winner of UN Sasakawa Award 2022

CARI's Disaster Knowledge Engine is like the second generation of Google Scholar search. It is very customized, lots of information, which is not only supply based but which is more on the demand based. It is a very innovative way of thinking; the science, technology, and the real application.



Prof. Dra. Fatma Lestari

Director of Disaster Risk Reduction Center (DRRC)
Universitas Indonesia

The special thing about CARI's knowledge management portal is that CARI! combines research publications with the location where the research was conducted, making it easier for users to know where the disaster research was conducted and what knowledge or publications of disaster research are available in that area.



Syuhelmaidi Syukur

Secretary, Board of Trustee Asia Pacific
Alliance for Disaster Management Indonesia (A-PAD)

CARI's Disaster Knowledge Engine is what we've been waiting for. Now, public can access disaster-related information as well as research available in their area, so they can anticipate how to reduce the risk.



Dr. Raditya Jati, S.Si, M.Si.

Deputy for Systems and Strategy at the National
Disaster Management Agency (BNPB)

CARI! has supported BNPB's work, especially the Deputy for Systems and Strategy in developing systems with scientific justification, as well as supporting knowledge-based policy-making including the current process of developing a new resilience index.



Ilman Muhammad

Direktur Program Kelautan Indonesia Yayasan
Konservasi Alam Nusantara (YKAN)

CARI! has an excellent ability to combine technology and analytical tools in disaster-related data collection and analysis. CARI!'s sense of curiosity and eagerness to provide in-depth exploration on relevant issues enable a broader perspective on disaster management in Indonesia. We are delighted to work with CARI! over the years.

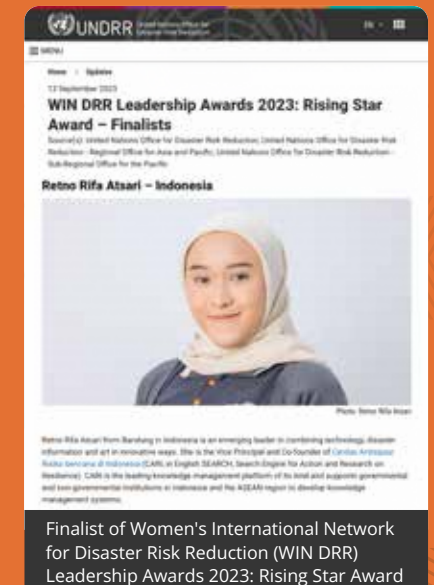


Willy Wicaksono

Senior DRM Systems & Strategy Specialist
The Investing in Human Capital for Disaster
Management (INVEST-DM 2.0)

The method of technical assistance provided by CARI! to BNPB as a counterpart is one of the best. CARI! team facilitates the process in a participatory manner which allows partners to think critically and always be active even though the process requires more effort. The experts from CARI! able to synchronize the work pace of partners and provide accurate input on policy options formulated.

Recognitions



Gallery



Launching of Guideline for the Development of Disaster-safe Tourism Destinations



CARI's Gathering



Nature-based Solutions Policy Analysis Workshop, Sorong



New Local Resilience Index Validation Workshop, West Sumatra



7th Session of the Global Platform for Disaster Risk Reduction



CMVRA Technical Workshop in Lao PDR



Feasibility Study on Forecast-Based Early Action (FBEA) Fieldwork, East Nusa Tenggara



New Local Resilience Index Validation Workshop, West Sumatra



The 6th United Nations Special Session on Water and Disaster

Gallery



Jakarta Innovation Days



Disaster Risk Reduction Month Event,
Balikpapan



CMVRA Technical Workshop in Lao PDR



Science Leadership Collaborative Graduation Day



Global Alliance of Disaster
Research Institutes, Kyoto



Feasibility Study on
Forecast-Based Early Action
(FBEA) in East Jakarta and
Alor Sharing Session



Global Forum for Sustainable Resilience



New Local Resilience Index Socialization

Partners & Clients

Government



Non - Government Organizations



University



Media



Big data is enriching,
actionable information is
critical, but knowledge-based
investment and development
is indispensable for genuine
resilience!

Get in touch with CARI!

NAME CARD

Foundation

Green Bintaro Residence -
Blok D1, Jl. Elang Raya,
RT.005/RW.003, Sawah Lama,
Kec. Ciputat, Kota Tangerang
Selatan, Banten 15413

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Scan and Visit



Social Media :

Instagram : @caribencana.id
Linkedin : CARI! (caribencana.id)
Facebook : CARI
Twitter : @caribencana_id
Youtube : CARI!



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