

KOMUNIDAD

**Localizing
Climate Resilience and
Sustainability Initiatives**



komunidad

Objectives

Share **INCLUSIVE** and **TECH** driven use cases by Philippines Cities and Municipalities to enhance local disaster preparedness, climate risk analysis and sustainability initiatives

Objectives

Share use cases by Cities and Municipalities that have invested to

- Strengthen climate resilience thru implementation of **multi-hazard impact based monitoring and forecasting systems**
- Digital Transformation to **automate risk dissemination and improve risk communication**
- Promote Climate Action by **implementing tech driven sustainability programs**

About



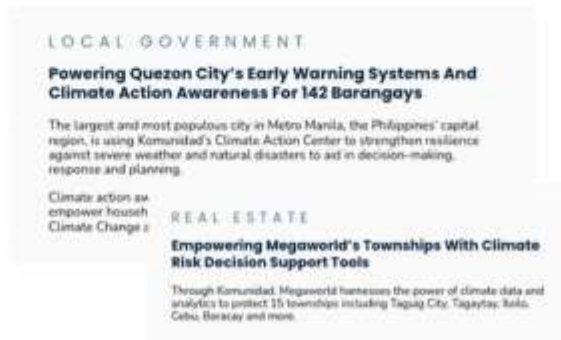
We are a software company focusing on the immediate challenges of Climate Change.

#EarlyWarningsForAll

Localizing climate risk analysis and natural disaster risk management

#Sustainability

Automating sustainability data gathering, analysis and reporting



Highlights

An inclusive and tech driven approach got further validation making it the new benchmark for Climate Risk and Disaster Preparedness Tools



2023 GALING POOK AWARDS
LEVELING UP

IRISEUP's recognition as a finalist for the Galing Pook Awards is a manifestation of the unwavering commitment of Quezon City to data-driven governance and community empowerment.

IRISE UP is a shining example for the rest of the country that transformative adaptation to climate change begins in the community. We need to empower our people and bring forth resilient innovations.

Mayor Joy Belmonte
Quezon City

Logos: SM PRIME, D&G, and a triangular logo.



Won the best Climate Resilience Project by DENR Klima Awards 2023

Awarded by Department of Environment and Natural Resources (DENR)

Won the best Local Government Governance program of 2023

Awarded by "Galing Pook Awards" which is the most prestigious award given by the Philippines National Government and Private Sector group.

A “digital” “impactful” and “inclusive” approach

Cities and Municipalities are now adopting a data driven / digital approach with a “hero perspective” where they bring positive impact to their Barangays, Residents and Businesses

Municipalities

Coastal & Rural Municipalities

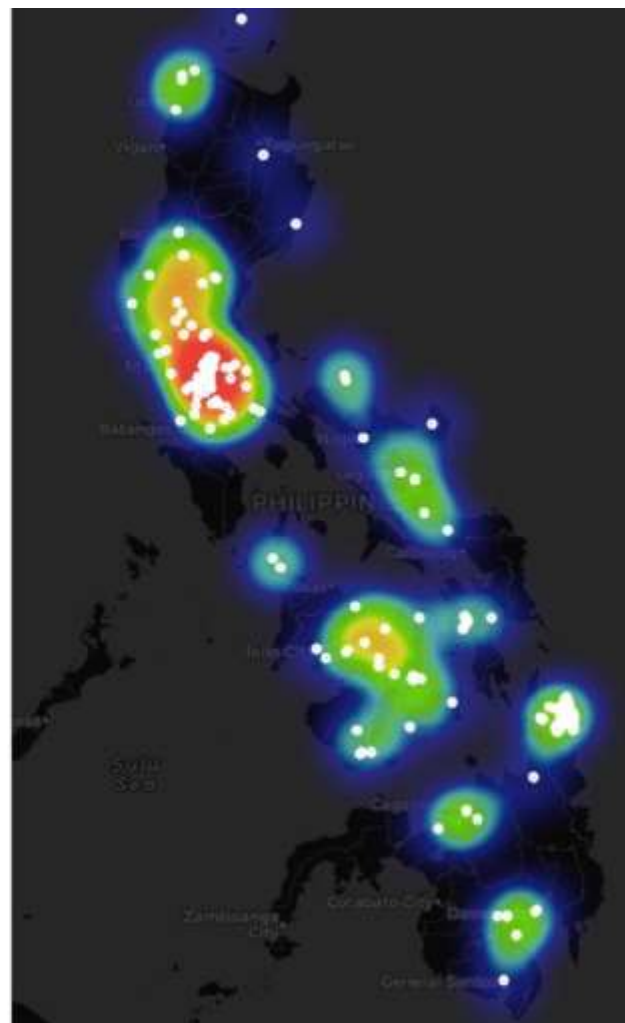


Cities

Highly Urbanized Cities



Galing Pook 2023 Winner
Best LGU Governance
IRISUP powered by IloIlo



The Reality in the Philippines

The challenges brought by Climate Change depends on where you are in the world.



A digital approach requires access and understanding of data

see a few examples of structured and unstructured data



UNSTRUCTURED DOCUMENTS
Tropical Cyclone Reports



STRUCTURED DATA
Nationwide Lightning & Thunderstorm Network



STRUCTURED DATA
Thousands of Rain Radar from Satellite Dishes



UNSTRUCTURED DOCUMENTS
Thousands of Risk Maps and Documents from LGUs



STRUCTURED & UNSTRUCTURED DATA
Weather & Climate Models



STRUCTURED & UNSTRUCTURED DATA
Thousands of Local Sensor Networks from National Govt, LGUs, & Private



STRUCTURED DATA
Thousands of API endpoints

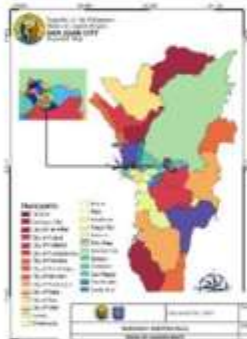


STRUCTURED & UNSTRUCTURED DATA & UNSTRUCTURED DOCUMENTS
Data from National Agencies

Technology can now digitize local risk data

see a few examples of local government's barangay risk assessments data that requires digitization

	Document No. 0001	Revision
BARANGAY ADDITION HILLS		Effective Date
BOOK OF HAZARD MAPS		Date




Map 1

Addition Hills is composed of 14 barangays. The map shows the boundaries of these barangays.

Barangay	Area (sq. m)	Population
Barangay 1	100,000	10,000
Barangay 2	120,000	12,000
Barangay 3	150,000	15,000
Barangay 4	180,000	18,000
Barangay 5	200,000	20,000
Barangay 6	220,000	22,000
Barangay 7	250,000	25,000
Barangay 8	280,000	28,000
Barangay 9	300,000	30,000
Barangay 10	320,000	32,000
Barangay 11	350,000	35,000
Barangay 12	380,000	38,000
Barangay 13	400,000	40,000
Barangay 14	420,000	42,000



Map 2

	Document No. 0001	Revision
BARANGAY ADDITION HILLS		Effective Date
BOOK OF HAZARD MAPS		Date

INTRODUCTION

Barangay	Area (sq. m)	Population
Barangay 1	100,000	10,000
Barangay 2	120,000	12,000
Barangay 3	150,000	15,000
Barangay 4	180,000	18,000
Barangay 5	200,000	20,000
Barangay 6	220,000	22,000
Barangay 7	250,000	25,000
Barangay 8	280,000	28,000
Barangay 9	300,000	30,000
Barangay 10	320,000	32,000
Barangay 11	350,000	35,000
Barangay 12	380,000	38,000
Barangay 13	400,000	40,000
Barangay 14	420,000	42,000

Barangay	Area (sq. m)	Population
Barangay 1	100,000	10,000
Barangay 2	120,000	12,000
Barangay 3	150,000	15,000
Barangay 4	180,000	18,000
Barangay 5	200,000	20,000
Barangay 6	220,000	22,000
Barangay 7	250,000	25,000
Barangay 8	280,000	28,000
Barangay 9	300,000	30,000
Barangay 10	320,000	32,000
Barangay 11	350,000	35,000
Barangay 12	380,000	38,000
Barangay 13	400,000	40,000
Barangay 14	420,000	42,000

INTRODUCTION

Barangay	Area (sq. m)	Population
Barangay 1	100,000	10,000
Barangay 2	120,000	12,000
Barangay 3	150,000	15,000
Barangay 4	180,000	18,000
Barangay 5	200,000	20,000
Barangay 6	220,000	22,000
Barangay 7	250,000	25,000
Barangay 8	280,000	28,000
Barangay 9	300,000	30,000
Barangay 10	320,000	32,000
Barangay 11	350,000	35,000
Barangay 12	380,000	38,000
Barangay 13	400,000	40,000
Barangay 14	420,000	42,000



Map 3

	Document No. 0001	Revision
BARANGAY ADDITION HILLS		Effective Date
BOOK OF HAZARD MAPS		Date




Map 4

Map 4: Population Density Map of Addition Hills. The map shows population density across the barangays.

	Document No. 0001	Revision
BARANGAY ADDITION HILLS		Effective Date
BOOK OF HAZARD MAPS		Date



	Document No. 0001	Revision
BARANGAY ADDITION HILLS		Effective Date
BOOK OF HAZARD MAPS		Date

Barangay	Pop. 2015	Pop. 2020	Pop. Density	Population Increase
Addition Hills	3719	3732	3430.45	301.45
Barangay 1	3719	3732	2147.26	230.51
Barangay 2	3719	3732	2755.5	280.96
Barangay 3	3719	3732	4011.51	331.49
Barangay 4	3719	3732	5418.29	580.63
Barangay 5	3719	3732	690.37	301.94
Barangay 6	3719	3732	848.48	451.51
Barangay 7	3719	3732	1006.59	501.94
Barangay 8	3719	3732	1164.7	551.94
Barangay 9	3719	3732	1322.81	601.94
Barangay 10	3719	3732	1480.92	651.94
Barangay 11	3719	3732	1639.03	701.94
Barangay 12	3719	3732	1797.14	751.94
Barangay 13	3719	3732	1955.25	801.94
Barangay 14	3719	3732	2113.36	851.94

- Barangay
- Population
- Area
- Population Density
- Population Increase

	Document No. 0001	Revision
BARANGAY ADDITION HILLS		Effective Date
BOOK OF HAZARD MAPS		Date

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

INTRODUCTION

DATA

IT INFRASTRUCTURE

APPLICATIONS & INSIGHTS

USERS

DATA PROCESSING

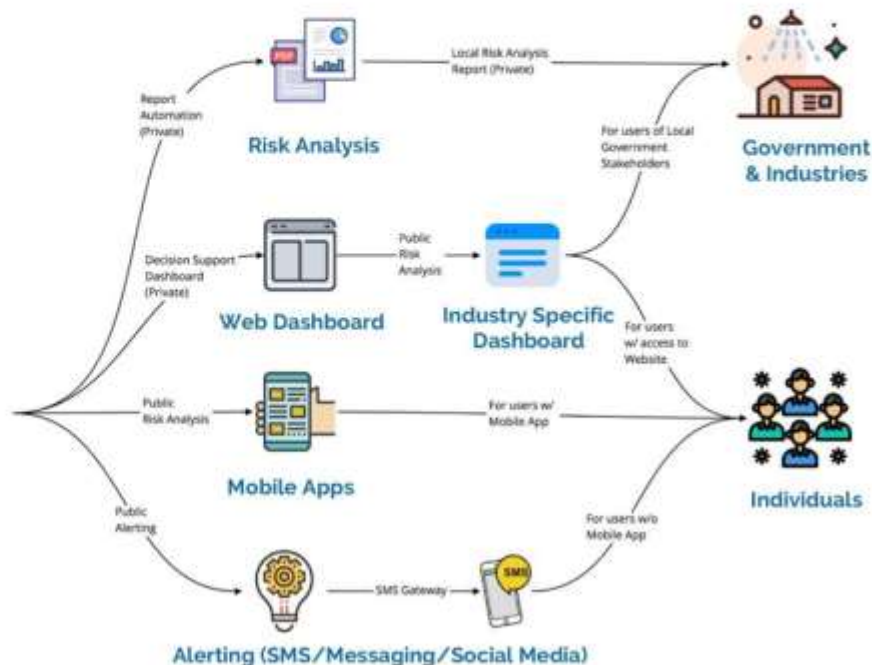
It requires big effort in making data more inclusive and useful



Ingestion of Important Local Data



Integrated Platform



Important Data

Improving risk communications

Cities and Municipalities create digital programs in order to improve risk communications to make information more understandable in the real world

Local Government



The screenshot shows the SIARGAO website with the following content:

- Header: "Intelligent, Resilient and Integrated Systems for the Urban Population"
- Logo: "climate-resilient SIARGAO" with a blue and green circular icon.
- Main Title: "LOCALIZED CLIMATE RISK ANALYSIS AND EARLY WARNING SYSTEM"
- Section 1: "Threat Resilience Map" with a sub-heading "Threat Resilience Map (TRM) provides a comprehensive overview of threats to water resources of Baguio area."
- Section 2: "Local Risk Analysis" with a sub-heading "Local Risk Analysis (LRA) provides a comprehensive overview of local risks to water resources of Baguio area."
- Image: A laptop and tablet displaying data visualizations.

Other Industries



The screenshot shows the DRR2.0 Climate Action Center website with the following content:

- Header: "CitySavings DRR2.0 CLIMATE ACTION CENTER"
- Main Title: "DISASTER RISK REDUCTION"
- Logo: "KlimaHQ" with a small image of a building.
- Logos: "CitySavings", "abotita", and "angos" are displayed below the main title.
- Image: A stylized graphic of a sun or signal waves.



RESULTS

Live Demo

Cities & Municipalities

- **Urban City**
- **Coastal Barangay**
- **Coastal Province**
- **State University**

Nationwide

- **AI for Liveable Cities**



[Web App](#)

[User Guide](#)

[Blog](#)

[Contact](#)

[Download App](#)

Intelligent, Resilient and Integrated Systems for the Urban Population

Empowering the Quezon City community with innovative tools and applications to elevate local disaster risk reduction efforts and nurture climate change awareness.

[Download App](#)

[Go to Web App](#)



Urban City

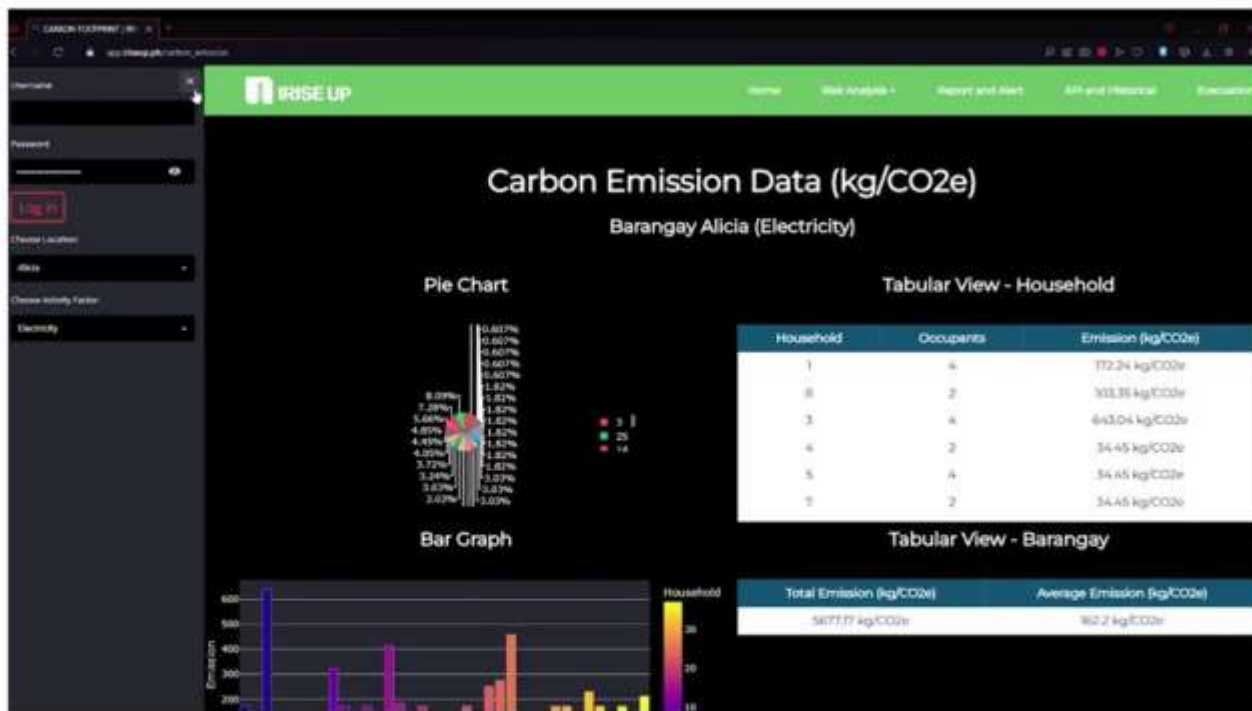
Create Account

You are one step closer to using RISEUP

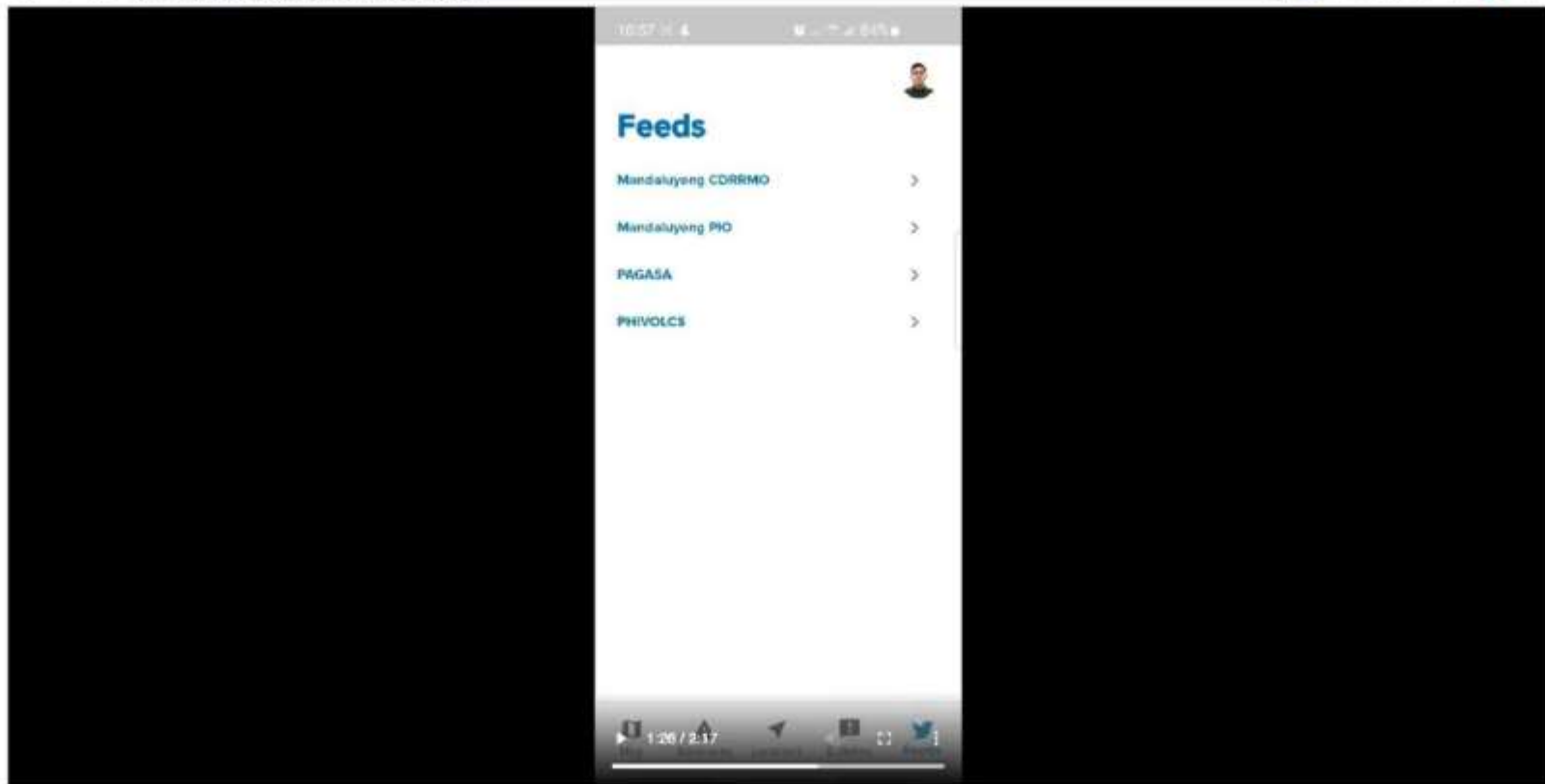


or sign up with email


REGISTER



Urban City



Urban City



DASHBOARD

Select Page

Single Station

Select Location

Calaguan Island - Baringay Banaoboc

Select View Type

Multiple Parameters

Day

0 - Observed and Forecast

Single Station Dashboard



Current Observation as of Sep 25 06:00 PM



Temperature	Heat Index	Rain	Wind Speed	Wind Gust	Rain Prob.
29 Deg C	34 Deg C	0.0 mm	13 kph	18 kph	0 %

Parameter	Call to Action
Heat Index	Trusmi pagbabalik sa araw, magbigay ng umiiral na maraming tubig.
Rain	Tuloy muli ang mga aktibidad.
Wind Speed	Tuloy muli ang mga aktibidad.
Rain Probability	Mababala ang baramba ng pag-ulat. Tuloy muli ang mga aktibidad.

Tide Information

Date & Time (PH T)	Tide Type	Value
Sep 25, 2023 06:00 PM	Low Tide (M)	-0.24 M
Sep 25, 2023 06:00 PM	High Tide (M)	0.11 M

Weather Graphs



Coastal Barangay



Taking the Lead Towards

An integrated climate risk and emergency response center

State University

We have launched our AI-Powered Safety App in the Philippines

#EarlyWarningsForAll #DisasterPreparedness



Curbeet

Komunidad Global Pte Ltd

Contains ads · In-app purchases

100+

Downloads



Rated for 3+

Install



Share



Add to wishlist



This app is available for your device



You can share this with your family. [Learn more about Family Library](#)



We have launched our
AI-Powered Safety App
in the Philippines

[#EarlyWarningsForAll](#)

[#DisasterPreparedness](#)

Curbeet AI

Thank You



komunidad