

Our Team

Data Scientist



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Insights at a Glance

An Entry for Bangsamoro Data Challenge



OPEN BANGSAMORO
Open Data for the Transition
from the ARMM to the BARMM



Outline

▶ Problem Statement

▶ Proposal

▶ Datasets Used

Problem Statement



Currently, there's **no organized means** for **Decision Makers** to inspect **relevant information** regarding the **development challenges of BARMM**.

Data are in **different formats**, which makes it **difficult** to **extract insights**.

Outline

▶ Problem Statement

▶ **Proposal**

▶ Datasets Used

Proposal

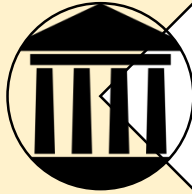


Our proposal is a collection of **dashboards** that aim to **provide exploratory and analytical capabilities** as well as a **geospatial reference** for **Decision Makers** to gain **insights** regarding specific **development challenges**.

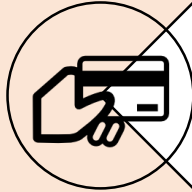
Dashboards



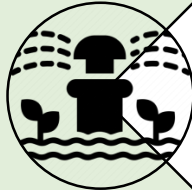
Social



Governance



Economic



Environmental

Outline

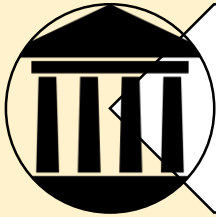
- ▶ Problem Statement
- ▶ Proposal
- ▶ **Datasets Used**

Datasets Used



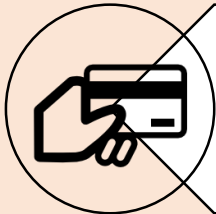
Social

- Gainful workers 15 years old and over and their major occupation by sex
- SchoolsARMMDEPED2017
- Population 2010, 2015 ARMM and BCT



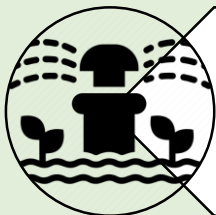
Governance

- SGLG Awarded Municipalities
- https://www.dilg.gov.ph/PDF_File/reports_resources/dilg-reports-resources-2018125_ddbe4d4754.pdf
- https://www.dilg.gov.ph/PDF_File/reports_resources/dilg-reports-resources-2018101_0cf6f6f1dc.pdf



Economic

- Bangsamoro Provincial Boundaries ao 20190206
- Number of DTI Registered Firms per Municipality, 2013
- Location of Banks, 2018
- Location of Operational ARMM RBOI Registered Firms from 1992 to 2018



Environmental

- Bangsamoro Provincial Boundaries ao 20190206
- 5 – New Maps > 08 – Hazards > Flood > Images
- 5 – New Maps > 08 – Hazards > Landslides > Images



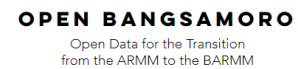
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Demonstration



Main Menu



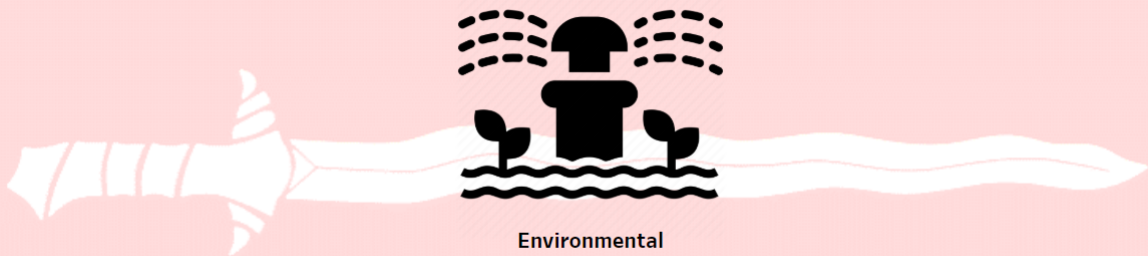
Social



Governance



Economic



Environmental



Social



School Type

- ☐ Private
- ☐ Public
- ☐ SUC

School Category

- ☐ Elementary
- ☐ High School
- ☐ MD
- ☐ SUC

2,643

Number of Schools

2,505

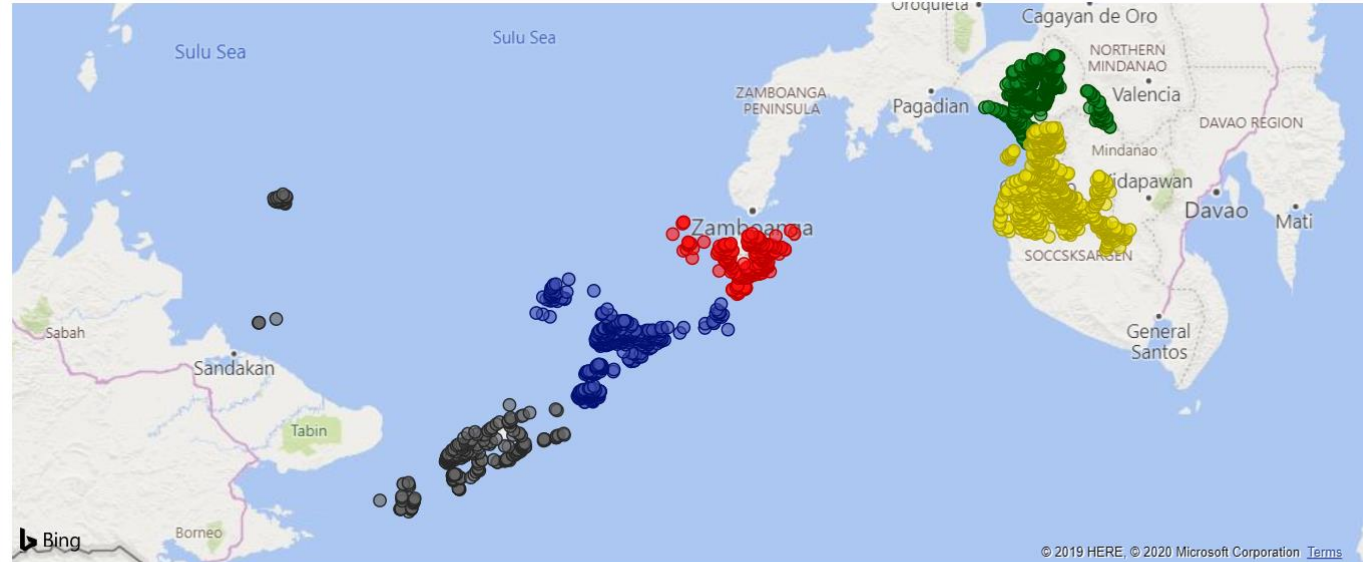
No. of Mapped Schools

1,570

Number of Barangays

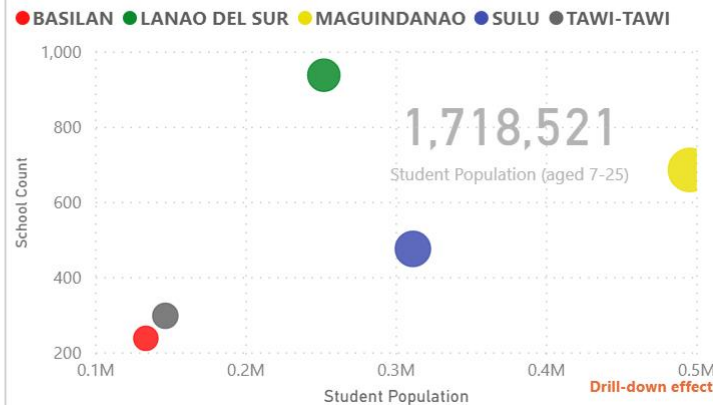
118

No. of Municipalities



- Location Hierarchy Filter: All
- ☒ BASILAN
 - ☒ Akbar
 - ☐ Caddayan
 - ☐ Linongan
 - ☐ Lower Bato-bato
 - ☐ Mangalut
 - ☐ Semut
 - ☐ Upper Bato-Bato
 - ☒ Al-Barka
 - ☒ CITY OF LAMITAN
 - ☒ Hadji Mohammad
 - ☒ Hadji Muhtamad
 - ☒ Lamitan City

School Count and Student Population Correlation



Student Population by Gender



Elementary Teachers Population (aged 15 and above)

117,763

Teachers Per Brgy

75

Teachers Per School

54

Students Per Teacher

● BARMM Avg ● National Avg

15

30



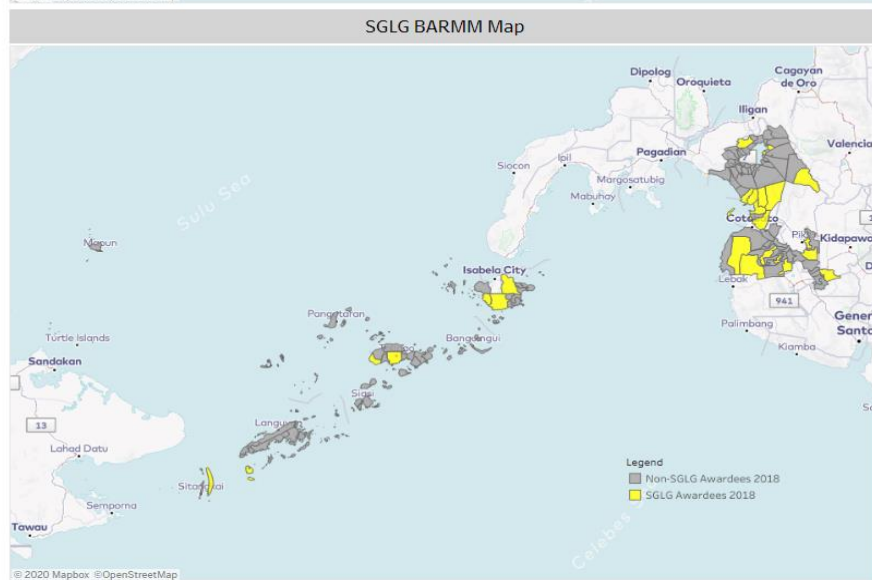
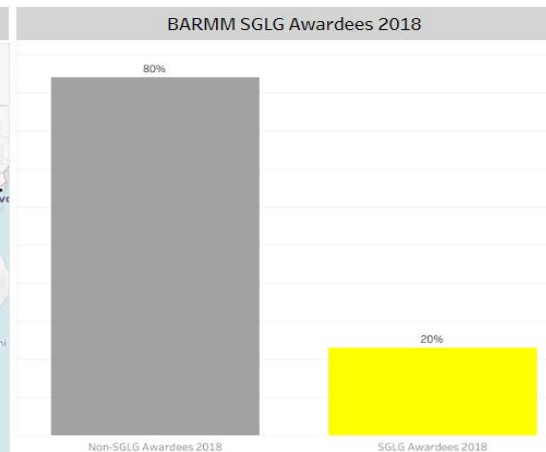
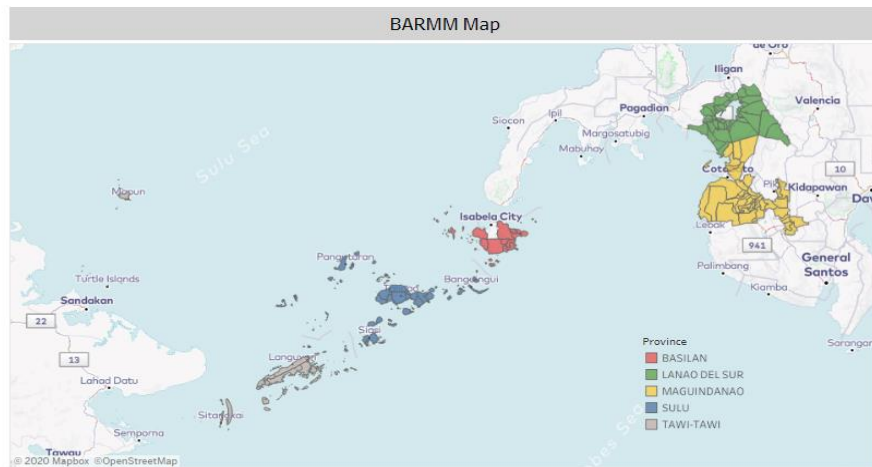
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Governance



Breakdown of 2018 SGLG Awardees

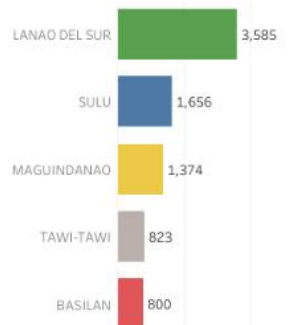
Background color represents the growth compared to 2017

Region	Provinces	Municipalities	Cities	Total
NCR	0	0	5	5
CAR	0	7	0	7
I	3	44	4	51
II	2	17	3	22
III	4	34	5	43
IV-A	2	16	6	24
IV-B	0	3	1	4
V	1	4	3	8
VI	3	14	4	21
VII	0	3	0	3
VIII	0	5	2	7
IX	0	10	1	11
X	0	9	1	10
XI	0	4	1	5
XII	1	7	1	9
XIII	0	9	1	10
ARMM	1	21	1	23
Total	17	207	39	263

Economic

Development Challenges - Economic

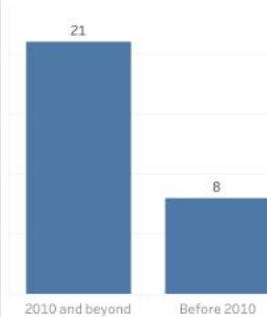
DTI Registered Firms



Total Number of Banks

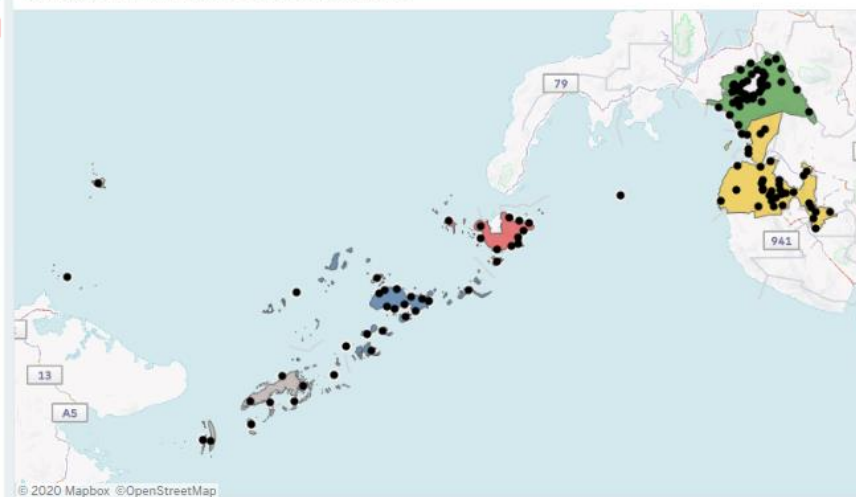


RBOI Time Periods

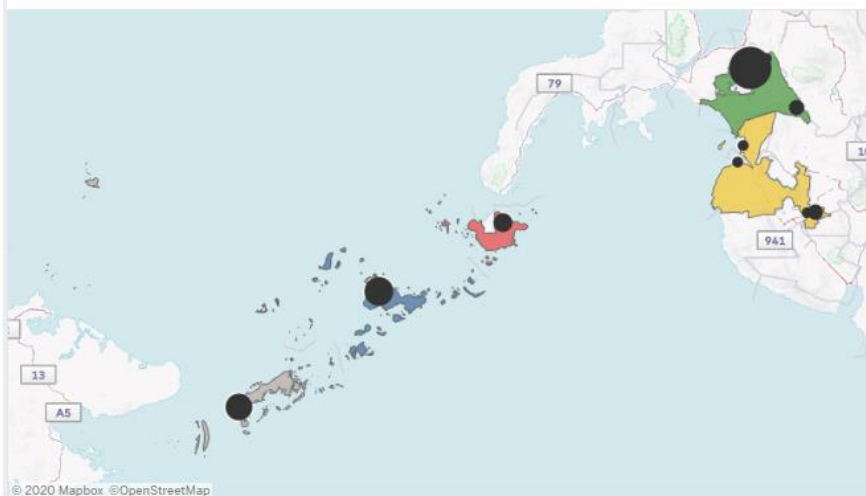


■ BASILAN
 ■ MAGUINDANAO
 ■ TAWI-TAWI
 ■ LANAO DEL SUR
 ■ SULU

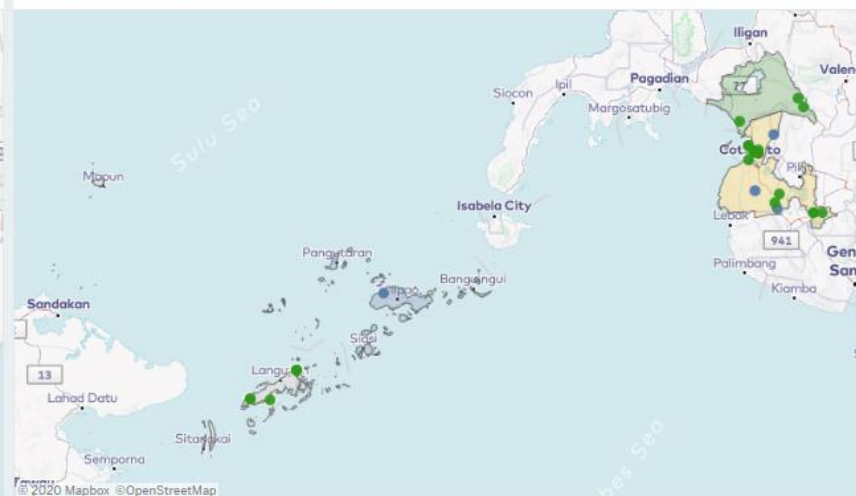
DTI Registered Firms Location and Count, 2018



Bank Location and Count, 2018



RBOI Registered Firms Location and Count, 2018



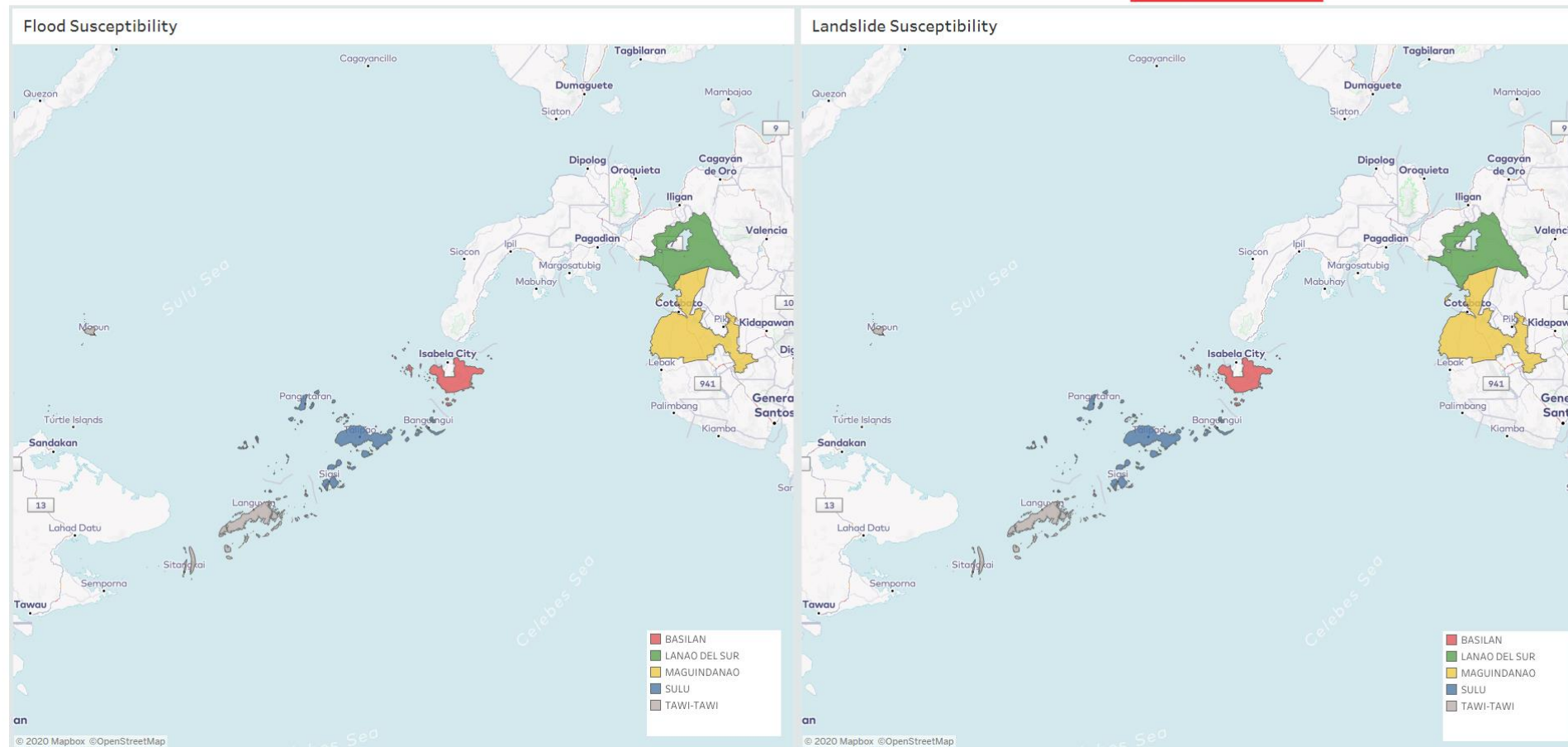
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Development Challenges - Environmental Hazards



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Thank you for listening!

END