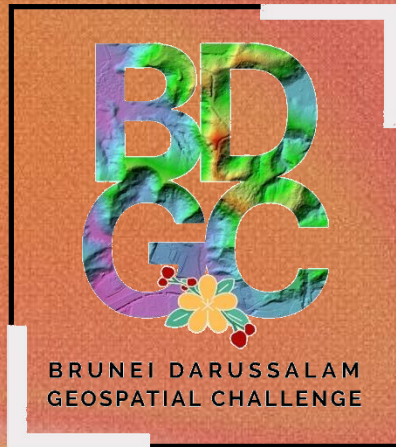


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
السلام عليكم ورحمة الله وبركاته



BRUNEI DARUSSALAM GEOSPATIAL CHALLENGE 2026

BRIEFING

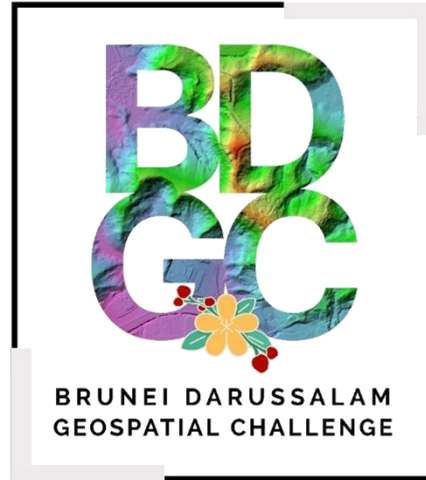
Saturday, 15 August 2026
9.00 am

1. Background of BDGC
2. Challenge Statement OF BDGC 2026
3. Competition Format and Key Dates
4. Registration and Submissions
5. Judging Criteria
6. Q&A Session





BACKGROUND OF BDGC



The **Brunei Darussalam Geospatial Challenge 2026 (BDGC 2026)** is a competition aimed at youths of Brunei Darussalam from the **Institutes of Higher Learning** to showcase the use of **geospatial technology and information** to support the nation in **achieving the Sustainable Development Goals (SDGs)**.

Organised by:



In conjunction with:



Objectives of BDGC 2026:

- Increase geospatial awareness and literacy
- Promote the use of geospatial technology in relevance to the Sustainable Development Goals (SDGs).
- Identify **two teams** to represent Brunei Darussalam at the ASEAN Geospatial Challenge (AGC) 2027.

ASEAN Geospatial Challenge

The ASEAN Geospatial Challenge: Geospatial Youth Edition brings youth in the ASEAN region together to use **geospatial technology and information** to support nations in **achieving their Sustainable Development Goals (SDGs)**. Targeted at students from Institutes of Higher Learning (IHLs) in the ASEAN region, the challenge aims to:



Cultivate good relationships and collaborations among the youth in ASEAN



Elevate geospatial competencies and facilitate knowledge sharing



Raise interest in the geospatial field

Competing projects at the ASEAN level will be awarded based on the following prize categories.



Distinction

• \$500 cash or voucher



Excellence

• \$300 cash or voucher



Merit

• \$200 cash or voucher

- ❖ Spearheaded by the Singapore Land Authority.
- ❖ Each ASEAN country to be represented by maximum two (2) teams.
- ❖ Each team must consist a minimum of TWO, to a maximum of FOUR participants.
- ❖ AGC 27 is open to all students who are enrolled on a full-time basis at an Institute of Higher Learning (Tertiary Institution or its equivalent) only.
- ❖ Each team is required to work on only **ONE challenge statement** and submit **presentation slides and 2 minutes video clip**.
- ❖ The submitted project should evidently showcase **the use of geospatial technology and information to support nations in achieving their Sustainable Development Goals (SDGs)**.

PAST CHALLENGES (AGC)



**BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE 2026**

AGC24	4 Countries 49 Teams 7 Winners
Award	Team
Distinction	GajahITB from Bandung Institute of Technology (Indonesia)
	Jograph-Vi from University at Buffalo – Singapore Institute of Management (Singapore)
Excellence	Tech saAVy from National University of Singapore (Singapore)
	STEDIA from Kasem Bundit University (Philippines)
	Sindora Explorers from University of the Philippines Los Baños (Philippines)
Merit	Elboyz from University of the Philippines Los Baños (Philippines)
	SeaBOT from Sriwijaya University (Indonesia)

AGC25	5 Countries 35 Teams 9 Winners
Award	Team
Distinction	Spatial Impact from National University of Singapore (Singapore)
	Bilan (UI) from Universitas Indonesia (Indonesia)
	GeoTrailblazers from Universiti Teknologi Brunei (Brunei Darussalam)
Excellence	FTI from Universiti Islam Sultan Sharif Ali (Brunei Darussalam)
	GISadoMix from University of the Philippines Diliman (Philippines)
Merit	PhoenixReign from Uttaradit Rajabhat University (Thailand)
	GoodLuck from Institute Teknoogi Bandung (Indonesia)
	Astrax Nova from Uttaradit Rajabhat University (Thailand)
	Active Atlas from University at Buffalo – Singapore Institute of Management (Singapore)

AGC26	5 Countries 34 Teams 11 Winners
Award	Team
Distinction	AlnsightGeo from Universitas Gadjah Mada (Indonesia)
	EMPATH from University of Santo Tomas (Philippines)
Excellence	Tim YuGIS from University of the Philippines Los Banos (Philippines)
	GISadoMix from University of the Philippines Diliman (Philippines)
	UrbanFlow from National University of Singapore (Singapore)
	The Awseek from Universitas Pertamina (Indonesia)
Merit	UB Powerpuff Girls from University at Buffalo – Singapore Institute of Management (Singapore)
	HEATMAPx from Universiti Teknologi Malaysia (Malaysia)
	The Survivors from Kasetsart University Sriracha Campus (Thailand)
	Five Hundred from Universiti Teknologi Malaysia (Malaysia)
	Route Space from Kasetsart University Sriracha Campus (Thailand)

TEAMS PARTICIPATING IN BDGC 24



BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE 2026



Team GeoTraiblazers
Universiti Teknologi Brunei (UTB)



GeoGems
Institut Pendidikan Teknikal Brunei
(IBTE)



VisioSpectra
Universiti Brunei Darussalam (UBD)



Caffeinated Cats
Universiti Teknologi Brunei (UTB)



Team FTI
Universiti Islam Sultan Sharif Ali (UNISSA)

Brunei Darussalam Representatives at the AGC 25

Distinction awards received their awards at the Geo Connect Asia 2025.



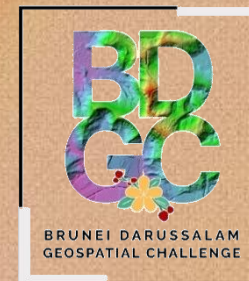
Distinction

Team GeoTraiblazers
Universiti Teknologi Brunei (UTB)



Excellence

Team FTI
Universiti Islam Sultan Sharif Ali (UNISSA)



CHALLENGE STATEMENT OF BDGC 2026

CHALLENGE STATEMENT



BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE 2026

The project has to show the use of **geospatial technology and information** to support **Brunei Darussalam** in achieving their **Sustainable Development Goals (SDGs)**





COMPETITION FORMAT AND KEY DATES OF BDGC 2026

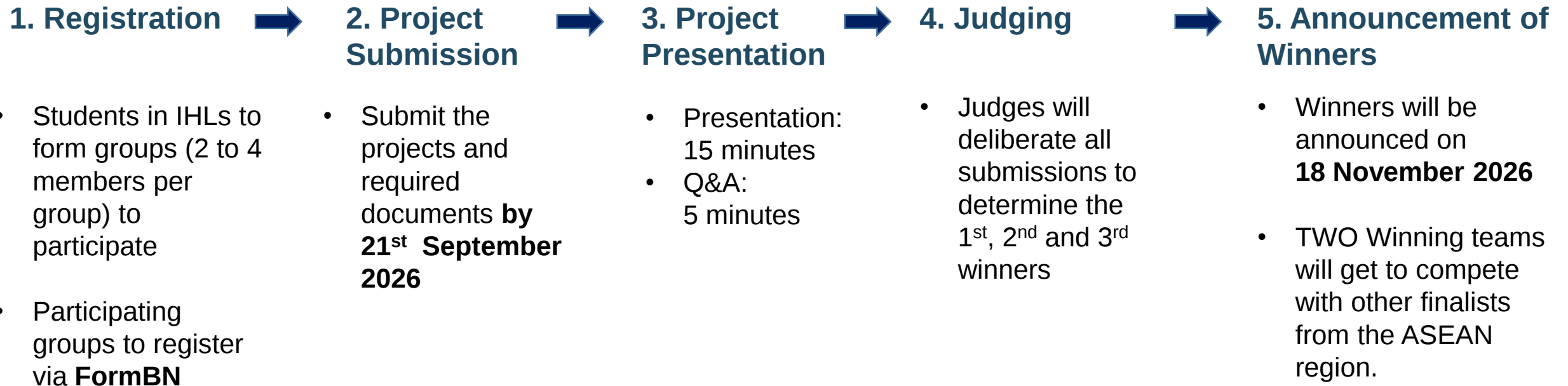


The submitted project should **evidently showcase the use of geospatial technology and information** to support nations in achieving their Sustainable Development Goals (SDGs).

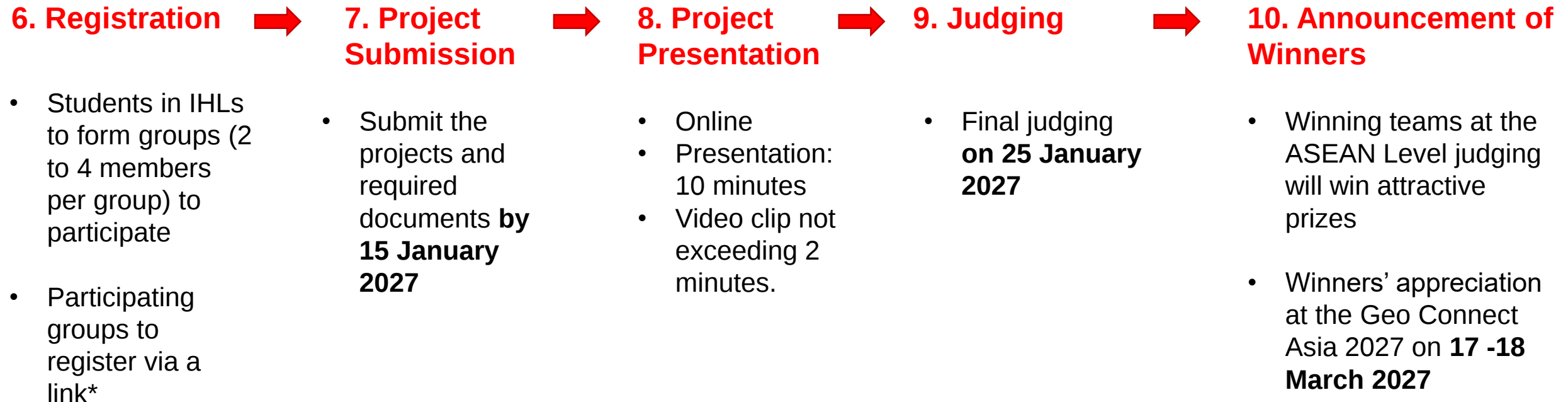
Teams are required to:

- submit **ONE** Project Write Up;
- submit **ONE** Poster Submission; and
- present their project to a panel of judges.

Brunei Darussalam (National Level)



ASEAN Level ASEAN Geospatial Challenge



IMPORTANT DATES



BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE 2026

Brunei Darussalam (National Level)



ASEAN Level

ASEAN Geospatial Challenge

Registration Date	22 June – 13 August 2026
Participants' Briefing	15 August 2026
Project Deadline & Submission	21 September 2026
Project Presentation	20 - 21 October 2026
National Prize Presentation	18 November 2026

Project Deadline / Submission	15 January 2027
ASEAN Level Final Judging	25 January 2027
Winners' Appreciation at Geo Connect Asia 2027	17-18 March 2027 (in Singapore)



REGISTRATION AND SUBMISSIONS

Eligibility:

- No entry fee is required to enter the Challenge
- Open to all students who are enrolled on **a full-time basis at an Institute of Higher Learning in Brunei Darussalam** only.
- The participants must remain enrolled as full-time students **until the end of May 2027**.
- Each Participating Team must **consist a minimum of two (2), to a maximum of four (4) participants**.
- Each Participant is only eligible to register for one Participating Team.





1. Register your team

- Each team must nominate a **student representative** to represent the team for purposes of communication with the Organiser on all matters relating to BDGC 2026.
- Upload
 - Team Photo
 - Copy of IC
- **Registration ends on 06 August 2026**
- <https://go.gov.bn/bdgc2026>

A screenshot of a web browser displaying the registration form for the Brunei Darussalam Geospatial Challenge 2026. The browser tab is titled 'BDGC 2026 - form.bn'. The address bar shows the URL 'form.gov.bn/en/bdgc-2026-6a25dbbb25c9'. The page header includes the 'FormBN' logo and options for 'Light' theme, 'English' language, and 'Save as draft'. The main heading is 'BDGC 2026' with a subtitle '7 Fields • 1.54 Minutes'. Below this is a banner image with the challenge logo and title. The text 'Brunei Darussalam Geospatial Challenge 2026 - Registration Form' is displayed, followed by the registration date '22 June 2026 - 20 July 2026' and contact information 'info@survey.gov.bn'. The form section is titled 'SECTION 1: EDUCATIONAL INSTITUTION DETAILS' and contains a dropdown menu for 'Name of Educational Institution' with the placeholder text 'Please select...'.

BDGC 2026 - form.bn

form.gov.bn/en/bdgc-2026-6a25dbbb25c9

FormBN

Light English Save as draft

BDGC 2026

7 Fields • 1.54 Minutes

**BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE
2026**

Brunei Darussalam Geospatial Challenge 2026 - Registration Form

Registration Date: 22 June 2026 - 20 July 2026
For any enquiry, please email info@survey.gov.bn (Subject: BDGC 2026).

SECTION 1: EDUCATIONAL INSTITUTION DETAILS

Name of Educational Institution *

Please select...



2. Project Submission Form

Checklist

- ✓ Name of education Institutions & team name
- ✓ Team Photo
- ✓ Project Title
- ✓ Project Write up (Project submission template)
- ✓ Declaration Forms on Student Identity
- ✓ Declaration Form on the Originality of Work
- ✓ Poster Design
- ✓ Terms & Conditions

Project Submission ends on 21 September 2026.

Link: https://go.gov.bn/bdgc_submission

The screenshot shows a web browser window displaying the 'PROJECT SUBMISSION' form on the FormBN platform. The browser address bar shows the URL `form.gov.bn/en/project-submission-cb358099bb38`. The page header includes the FormBN logo, a 'Light' theme toggle, and an 'English' language toggle. The main heading is 'PROJECT SUBMISSION' with a subtext '9 Fields • 1.98 Minutes'. Below this is a large banner for the 'BRUNEI DARUSSALAM GEOSPATIAL CHALLENGE 2026'. The form content includes the title 'Brunei Darussalam Geospatial Challenge 2026 - Project Submission Form', the registration date '22 June 2026 - 20 July 2026', and an enquiry email `info@survey.gov.bn`. The form is divided into sections, with 'SECTION 1' containing a dropdown menu for 'Name of Educational Institution' and a text input field for 'Team Name'.

Firefighting: Emergency Response The Caffeinated Cats from UTB



1 Introduction

Our project, *"Firefighting: Emergency Response,"* focuses on enhancing Brunei's Fire and Rescue Department by integrating a real-time digital platform with Geographic Information System (GIS) technology to modernize emergency response systems, with BFRD as the primary users of the system.

2 Challenge Statement

The Brunei Fire & Rescue Department faces delays due to outdated paper-based systems, limiting its ability to respond effectively to emergencies.

Our challenge is to provide an innovative, data-driven solution that improves operational efficiency and supports sustainable emergency responses.

3 Alignment with SDGs

Our project directly supports SDGs:

- **Economic Growth (Goal 8)** - Minimizes fire damage and boosts economic stability
- **Innovation & Infrastructure (Goal 9)** - Strengthens firefighting infrastructure with advanced tools
- **Climate Action (Goal 13)** - Improves response to climate-related fire risks
- **Global Partnerships (Goal 17)** - Fosters collaboration for sustainable development



4 Application of Geospatial Technology

By using GIS technology, we can track fire hydrants, monitor emergency vehicles, and improve resource allocation. This real-time data ensures faster response times and better situational awareness during emergencies.



5 Innovation

Our project integrates advanced GIS tools like real-time tracking, automated dispatch, and interactive mapping. These tools ensure that the Fire & Rescue Department can respond quickly and efficiently, making this a unique, high-tech solution for Brunei.

6 Sustainability

The system is sustainable as it reduces operational costs, improves resource management, and minimizes environmental impact through reduced fuel consumption.

A phased implementation ensures a smooth transition, minimizing disruption and ensuring long-term benefits.

7 Conclusion

Our solution will transform emergency responses in Brunei, making the country safer and more resilient. With faster response times, better data management, and improved resource allocation, we aim to save lives and create sustainable, efficient emergency systems.



This initiative integrates real-time digital platform with GIS technology to modernize emergency response system by improving response times, better data management and improved resource allocation.



Maximising Agricultural Efficiency through
Remote Sensing Applications



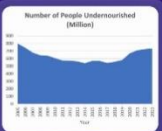
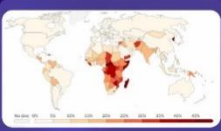
Introduction



VisioSpectra is committed in solving real-world issues; specifically, problems related to World Hunger. SDG 2 is the chosen theme out of the 17 Sustainable Development Goals established by the United Nations. The official motto is: "End hunger, achieve food security and improved nutrition & promote sustainable agriculture".

We offer solutions to mitigate these issues by integrating technologies to maximize crop yield. Numerous research has suggested that there are two possible processes that may solve global hunger which are increasing the levels of food supply & production and constantly reassessing the equilibrium of food distribution across the world (Hasegawa et al., 2019). If these processes are disregarded, it could bring negative consequences. According to (Hashim et al., 2023) increasing the supply of rice is more effective to combat world hunger.

VisioSpectra focuses on maximizing crop yield in terms of rice production, further showcasing our ultimate desire in supporting the SDG 2 in resolving the growing issue of world hunger.



Unfortunately, the world is heading towards a downfall in food production with reports stating to a major rise in hunger level to an alarming rate (WFP, 2005) & (FAO, 2022). The map above shows the distribution of undernourishment across the globe (Ourworldindata, 2021). Investments in new technologies should be accelerated in the agriculture sector as it could be one of the main drivers in reducing world hunger. By maximizing the efficiency of crop management, not only will it increase the crop production, but it also promotes sustainability in the long run. Therefore, global food security requires multiple approaches; one of which is the usage of GIS & Remote Sensing tools in agriculture management.

VISIOSPECTRA



Ak Mohd Nur Arif Malek Ridhwan Bin Pg Samual Razai Malek Faesal
22B8027

Ak Mohd Hanif Nafli bin Pg Rosell
23B0144

Universiti Brunei Darussalam

Data Collection Methodology



The satellites used to derive the NDVI and NDRE data consist of Landsat 8 OLI & Sentinel-2. The bands applied for NDVI are band 5 (NIR) and 4 (Red) while for NDRE only band 6 (Red-edge) and 8 (NIR) are applied. Data obtained for the project is made possible using these passive sensors where the vegetation reflects the sunlight back to the satellite. Each pixel will possess unique values according to the reflectivity detected. Hence, depending on what data is desired, the light spectrum chosen will need to be appropriate.

Satellite	Resolution (m)
Landsat 8 OLI	30
Sentinel-2	10, 20

Bands	Spectrum Range (nm)
Near-Infrared	800 – 2500
Red	600 – 700
Red-Edge	670 – 760



This project has undergone a data collection session in an agricultural site located in Kg Lakuin, Tembungong. The drone has been flown using a pre-programmed flight path. This ensures the possibility of the procedure being reproduced at another time in the case of inconsistent lighting or weather conditions.



In detail, the drone (DJI Air 2S) has been flown at a certain height, suitable with the desired capturing block size and resolution. The camera is then angled 90° downwards to face the target object. The white balance have also been done on-site to ensure consistency in colour management. The result of this procedure is the creation of a 3-band (red, green & blue channels) raster image, which has been saved in the form of geo-tagged jpeg and dng files.

LEAF COLOUR CHARTS



The image shows a Leaf Colour Chart (Sari et al., 2013) which are used by farmers to measure the crop colour and correlate it to crop health or its nutritional needs through a known reference scale. However, the process of measuring data for each crop may take lots of time, in addition to the possibility of data being inaccurate due to lighting inconsistency or human error.

Data Processing Results



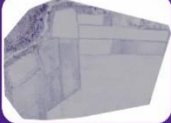
$$NDVI = \frac{NIR - Red}{NIR + Red}$$

The current known methods of agricultural analysis often involve satellite data. However, they more often require the availability of infrared, near infrared and red edge data to work, especially NDVI (Tucker, 1979) and NDRE (Barnes et al., 2000) as shown in the formula above.

NDVI refers to Normalized Difference Vegetation Index. It is used to detect changes in Near-Infrared reflectivity in understanding vegetation density and assessing changes in plant health. NDRE or also known as Normalized Difference Red Edge Index is a method to measure the amount of chlorophyll in the plants. This can help to indicate the current stage or development of the vegetation. Both NDVI and NDRE calculation requires NIR as an input. However, the resolution obtained is low, resulting in a pixelated raster image; this also depends on the satellite being chosen.



$$NDRE = \frac{NIR - RE}{NIR + RE}$$



$$GII = \frac{Green Channel}{Red Channel + Blue Channel}$$

Our GII method, does not require infrared or red-edge spectrums as an input. Only red, green and blue channels are required for the calculation.

This method aims to replace the traditional Leaf Colour Charts (LCC) in analysing crop health and nutritional needs. The significant advantage of GII is the continuous scale and the ability to capture higher resolution, to the point where almost every individual crop can be seen and analysed.

Extended Development

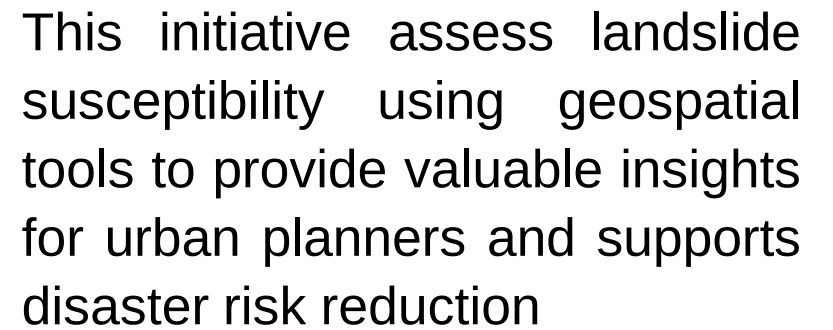


The all in one box is our proposed solution that houses a combination of environmental and agricultural sensors including DHT11, NPK Sensors, Soil Moisture sensor and pH Sensor. The main purpose of this prototype is to be able to understand the soil composition and its environment. Eventually, if this prototype is placed all around Brunei, it is also possible to map out a model of Bruneian soil profile.

Conclusion

To conclude, world hunger issues will continue to grow due to insufficient production and ineffective distribution of food. By utilising our proposed GII method and All-in-One Box, farmers will be able to analyse their crop without using expensive equipment. The farmers can understand the data to significantly increase crop yield without overusing or wasting fertiliser and resources which otherwise may be expensive or unavailable.

**BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE 2026**



CARBON MANAGEMENT CONSULTANT (AI - ENABLED)

INTRODUCTION

The AI-enabled carbon management system combines geospatial technology and artificial intelligence to address climate change by optimizing carbon monitoring and reduction efforts. The approach, which focuses on Brunei, uses real-time data analysis to target important emission sources such as oil and gas, transportation, and deforestation. It uses Geographic Information Systems (GIS), remote sensing, and AI-driven predicts to produce specific suggestions, which improves carbon reduction decision-making. The system is adaptable to varied areas and industries, scalable in both large and small operations, and delivers measurable long-term success, such as lower emissions and cost savings. Its creative, proactive approach makes it globally relevant, in line with the UN's Sustainable Development Goals (SDGs), particularly SDG 13 on Climate Action, which ensures sustainability through continual learning from current information.



APPLICATION OF GEOSPATIAL TECHNOLOGY

- Harnessing the Power of Geospatial Technology
- Addressing Carbon Challenges with Precision
- Technological Complexity
- Global Applicability



CREATIVITY AND INNOVATION

- Innovative Use of AI and Geospatial Data
- Originality and Distinctiveness
- Enhancing Carbon Management

CONCLUSION

The AI-enabled carbon management consultant provides a forward thinking, geospatially driven solution to one of the most pressing global challenges of our time. For Brunei and other nations, this system not only offers a path to achieving national carbon reduction goals but also contributes to the broader international fight against climate change. Through its innovative use of AI and geospatial technology, the project represents a significant leap forward in how countries can monitor, manage, and ultimately mitigate carbon emissions for a more sustainable future.



SDG GOALS

SUSTAINABILITY AND APPLICABILITY

- Financial and Logistical Feasibility
- Long-term Sustainability
- Measuring Long-term Success
 - Reduction in Carbon Emissions
 - Energy Efficiency Improvements
 - Compliance with Climate Targets
 - Cost Savings for Businesses
 - Cross-Sector Applicability
- Wider Applicability

REFERENCES

- GIS Resources: GIS Mapping Software, Location Intelligence & Spatial Analytics
- UNEP: United Nations Environment Programme

GEOGEMS Nurul Nadhrah Binti Jafary (Student Representative)
Amirah Nadirah Binti Suni (Team Member)

Institution: IBTE Sultan Bolkiah Campus IBTE

This initiative addresses climate change by optimizing carbon monitoring and reduction efforts through the use of AI-enabled carbon management system and GEOAI.




Kabunku

Driving Agricultural Innovation and Investment with Geospatial Technology.

1 Challenge Statement & Relevance

According to the 2023 Brunei Darussalam Agriculture & Agrifood statistics, about 9,525.84 hectares of gazetted land have been designated for agricultural development and offered to farmers by the government. However, despite this support, local farmers and agricultural SMEs still face significant challenges and constraints in successfully developing and making full use of this land. These challenges include limited access to modern agricultural technologies and infrastructure (SDG 9), lack of efficient market access and value chains (SDG 8), and insufficient capacity-building initiatives to promote sustainable farming practices (SDG 11), which ultimately hinders sustainable economic growth, innovation, and community resilience in Brunei's agricultural sector.



Challenge #1
High Startup Costs & Long Turnover
Many SMEs in Brunei's agriculture sector struggle with high startup costs and long turnover times, exacerbated by natural risks such as weather and pests (Wong, A, 2022).



Challenge #2
Promoting Agriculture Industry to Younger Generation
Despite initiatives like AgroBiz to train locals, Brunei continues to face a high youth unemployment rate of 28.9%, with many young people favoring government jobs (Khan, A. U., 2020). Agriculture is often viewed by the youth as merely "labor work," making it an unattractive option for either employment or business opportunities.



Challenge #3
Connecting SMEs to Investors
SMEs often struggle to secure investment, limiting growth (MDOB, 2012). Often SMEs find it difficult to secure grants or funds to help startup the business.

3 Application of Geospatial Technology

Satellite Imagery
Using GIS to analyze soil quality, water access, topography, and climate conditions to identify the best farming locations.

Real-Time Monitoring
Drones & Remote Sensing track weather, soil health, and crop growth.

Weather & Climate Data Integration
Real-time forecasts help farmers plan for storms or droughts, adjusting irrigation and protecting crops from harsh conditions.

Precision Agriculture
Geospatial data helps farmers apply resources like water and fertilizers.

Investor Decision-Making
Investors access geospatial maps showing farm logistics, soil fertility, and infrastructure proximity, reducing risks and increasing confidence in funding.



2 Solution

Kabunku offers a modern solution to reshape perceptions of agriculture among youth by replacing traditional farming with innovative, tech-driven methods, with geospatial technology as its main use. Inspired by games like FarmVille, this app engages user especially students through a virtual farming simulation that allows them to invest in real-world projects. The primary focus on geospatial technology enables users to analyze soil quality, monitor crop health, and optimize land use, enhancing decision-making and resource management in farming. This interactive platform not only teaches valuable skills but also dispels the stigma that agriculture is merely "labor work," making it an attractive career and business opportunity.

4 Creativity & Innovation

Gamification in Farming

- Transforming traditional farming to modern farming by using gamification in promoting a fresh light on agriculture

Real-Time Marketplace

- The platform features a farm-to-table marketplace that connects farmers directly with consumers, simplifying the supply chain.
- Fosters quicker revenue generation for farmers while creating job opportunities in logistics and delivery services.

Entrepreneurship

- Kabunku empowers young people by providing entrepreneurial opportunities in the agricultural sector
- Showcasing diverse farming prospects and supporting skill development, the platform encourages youth to explore careers in farming.





5 SDG Goals

Kabunku's gamified investment model fosters economic growth and job creation (SDG 8) by engaging small investors and creating employment opportunities, while its real-time marketplace enhances sustainable cities and communities (SDG 11) by connecting farmers directly with consumers, and its use of precision agriculture and geospatial technology drives industry innovation and infrastructure improvements (SDG 9), illustrating a cohesive approach to sustainable development in Brunei.





Team Members:





Siti Nurhidayah bin Bratin Amirulrahman bin Agas Nor Akhira Ulfah bin Salim

References:

Khan, A.U. (2020, March 30). Brunei's reliance on oil and gas. The ASEAN Post. <https://www.aseanpost.com/en/node/brunei-reliance-on-oil-and-gas>

MDOB. (2012). Maximising the indirect benefits of foreign direct investments for local SMEs and entrepreneurs. APIC. <https://mddb.apic.org/documents/2012/3/MEWG/MEWG12-000002-000002>

Wong, A. (2022, August 24). Inside the AgroBiz project that trained bruneian youth to farm. Biz Brunei. <https://www.bizbrunei.com/2022/08/inside-the-agrobiz-project-that-trained-bruneian-youth-to-farm/>

This initiative combines the use of satellite imagery, real-time monitoring, weather and climate data to drive agricultural innovation and investment.

REGISTRATION



BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE 2026

PROJECT PRESENTATION

29th & 30th October 2024
Brunei Innovation Lab



PROJECT PRESENTATION

29th & 30th October 2024
Brunei Innovation Lab





JUDGING CRITERIA

The Panel of Judges will consist of geospatial professionals and industry experts from outside the higher education sector to ensure fairness of assessment.

20%

Challenge Statement & Relevance (Max 600 words)

How well does the challenge statement support the SDGs? Is it valid?
How well has the team demonstrated the relevance/ importance of their challenge statement (by situating it in the wider literature context)?
Are the target outcomes of the project stated clearly?

40%

Application of Geospatial Technology (Max 1000 words)

How has the proposed solution addressed the challenge statement?
How effectively has geospatial technology been used in the proposed solution?
What is the complexity of the geospatial techniques utilised?

20%

Creativity & Innovation (Max 600 words)

How innovative/ original is the proposed solution's use of geospatial technology?
How does the proposed solution differ from methods/ techniques currently employed in the geospatial domain?

20%

Sustainability & Applicability (Max 600 words)

How feasible is the implementation of the proposed solution?
How sustainable is the proposed solution (eg. financially, logistically)?
Are there metrics proposed to measure its long-term success?
Is the proposed solution applicable in other fields/ domains?



**BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE 2026**

Q&A Session

You can also email us your questions by emailing
info@survey.gov.bn.

Subject: BDGC 2026



**BRUNEI DARUSSALAM
GEOSPATIAL CHALLENGE
2026**

The Brunei Darussalam Geospatial Challenge (BDGC) 2026 is a competition aimed at youths of Brunei Darussalam from the Institutes of Higher Learning to showcase the use of geospatial technology and information to support the nation in achieving the Sustainable Development Goals (SDGs).

Two winning teams will represent Brunei Darussalam to compete at the ASEAN Geospatial Challenge (AGC) 2026.

IN CONJUNCTION WITH
**ASEAN
Geospatial
Challenge**

REGISTRATION CLOSES ON
**20 JULY 2026
06 AUGUST 2026
13 AUGUST 2026** **EXTENDED**

FOR MORE INFORMATION, PLEASE SCAN THESE QR CODES

Survey Department Website
Registration Form

* Open to full-time students from institutes of higher learning * Create a geospatial application to achieve Brunei Darussalam's SDGs * Registration is free

For any enquiries, please email info@survey.gov.bn Subject: BDGC 2026

www.survey.gov.bn Survey Department of Brunei Darussalam UkurBrunei Surveydept.bn