

Competition Guidelines



IPB University
— Bogor Indonesia —



GREENHACK CHALLENGE

BIODIVERSITY & ECO-TOURISM APP HACKATHON



Kampus
Merdeka
INDONESIA JAYA

Department of Forest Resources Conservation and Ecotourism
Independent Campus Competition Program
2023

supported by:  **esri**

Description

Competition name : *GREENHACK CHALLENGE– Biodiversity & Ecotourism App Hackathon*

Time schedule : 21 Agustus – 3 November 2023

Theme : *"Hack the Biodiversity: Elevating Indonesia Ecotourism through Technology"*

Theme description : Indonesia, which is rich in biodiversity, is an important pillar in global nature conservation efforts. However, to ensure the continuity of this unique ecosystem, innovative technology-based steps are needed. The use of advanced technology in the management of natural resources can produce multiple positive impacts. Appropriate technological support can help identify natural patterns, monitor environmental changes in real-time, and forecast potential environmental risks. Through the integration of technology in conservation and ecotourism practices, Indonesia can experience a boom in a sustainable economic sector. The use of drones, smart sensors, advanced data analysis and online monitoring platforms are some examples of technologies that can drive the growth of ecotourism. Thus, smart and technology-based management will boost the attractiveness of Indonesia's natural tourism, while ensuring that this precious heritage is preserved for future generations.

Sub-Themes:

1. Plant conservation
2. Wildlife management
3. Nature recreation and ecotourism
4. Conservation Area Management
5. Environmental services

What to build : Applications based on Geographic Information Systems (GIS) with ESRI technology.

Competition participants can develop spatial-based applications using ESRI technology (ArcGIS Online, ArcGIS QuickCapture, ArcGIS Survey123, etc.).

General Terms

Who can Participate

1. Undergraduate student registered in university
2. Individual or group (max 8 members)
3. Actively use Esri (ArcGIS Online, ArcGIS Desktop, ArcGIS Pro, dll)
4. Register on: <https://greenhack-challenge-2023.devpost.com/>

Terms of Work

1. The ideas, concepts and prototypes submitted are the participants' original work
2. All forms of fraud or criminal acts such as plagiarism, copyright infringement and the like will cancel the participant's participation and winnings (disqualification).
3. Ideas and concepts are outlined in the form of digital posters with the conditions stated in the Poster Terms points
4. Ideas and concepts are also outlined in the form of StoryMaps
5. Entrants must clearly state the Esri technology used to build the app on the digital poster and StoryMaps
6. Ideas, concepts and prototypes are entirely the rights of participants. The committee is not responsible for claims from any party after the participants have joined this competition
7. Each participant is only allowed to submit 1 work

Terms of Poster

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Illustration of placement of logos and participant names on poster



A: Participant's university logo

B: IPB University logo. Logo can be downloaded from <https://greenhack-challenge-2023.devpost.com/>

C: *GreenHack Challenge* logo. Logo can be downloaded from <https://greenhack-challenge-2023.devpost.com/>

Terms of StoryMaps

1. The committee does not provide StoryMaps or ArcGIS Online account facilities for participants. Participants can use accounts from their respective campuses
2. Participants must present their work using StoryMaps during judging
3. The publicly accessible StoryMaps link is submitted along with the poster

Submission

1. Participant should have an account in devpost.com
2. Participant should register on <https://greenhack-challenge-2023.devpost.com/>
3. Submission only through devpost.com
4. Submission will be closed on October 27th 2023

Judging and Winner Selection

1. There will be 6 best works that will enter the judging stage
2. Online judging via Zoom
3. Assessment is carried out by a team of judges who have been appointed by the committee
4. The jury team comes from universities, National Parks, and ESRI
5. Presentation using StoryMaps
6. Presentation with a duration of 10 minutes + 5 minutes of question and answer with the judges
7. Judging criteria:

Criteria	Weight
Creativity and Innovation	30%

Real world relevancy	15%
Application of Esri technology	30%
Technological merit	25%

Prize

Winners and contest participants will receive an electronic certificate and prize money coaching with details:

1st Winner: Rp 8,000,000 (\$520)

2nd Winner: Rp 7,000,000 (\$455)

3rd Winner: Rp 6,000,000 (\$390)

1st contender: Rp 4,000,000 (\$260)

2nd contender: Rp 3,000,000 (\$195)

3rd contender: Rp 2,000,000 (\$130)

Timeline

Stage	Time schedule
Competition publication	August 21 2023
Registration open	October 13 2023
Hacking start date	August 21 2023
Submission end date	October 13 2023 (12 p.m. UTC+7)
Selection of best 6	October 28 – 31 2023
Announcement of best 6	November 1 2023
Judging	November 2 2023
Winners announcement	November 3 2023

*tentative, access to <https://greenhack-challenge-2023.devpost.com/> for updated schedule

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