



CAMBODIA

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GBIF

Global Biodiversity
Information Facility

What motivation?

- The prolonged civil war brought the country to zero
- Cambodia is known as a nation with rich natural resources that contribute to the wellbeing of its population and the country's economy
- The government reforms on the protected area (18% to 41% of the total country area)
- The Fourth Industrial Revolution or Industry 4.0, conceptualizes rapid change to technology, industries, and societal patterns and processes in the 21st century due to increasing interconnectivity and smart automation



What motivation? (cont.)

- Cambodia ratified as a party of CBD in 1995
- Cambodia CHM is in hand; however limited accesses
- The Centre for Biodiversity Conservation is created at the Royal University of Phnom Penh
- Government and institutions are ready with clear mandates



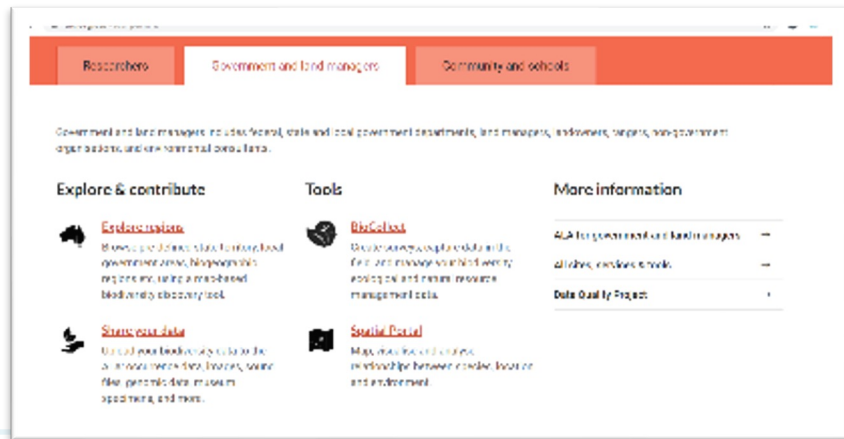
What do we get or expect from GBIF?

- Cambodia joint GBIF in 2022 as Associated Partner
- The information or biodiversity data from Cambodia can be published globally with enough or promised security
- Credit to/ give more opportunities to Cambodian students or researchers to conduct more research
- The government will have own central biodiversity hub
- Capacity building, data mobilization and fund raising



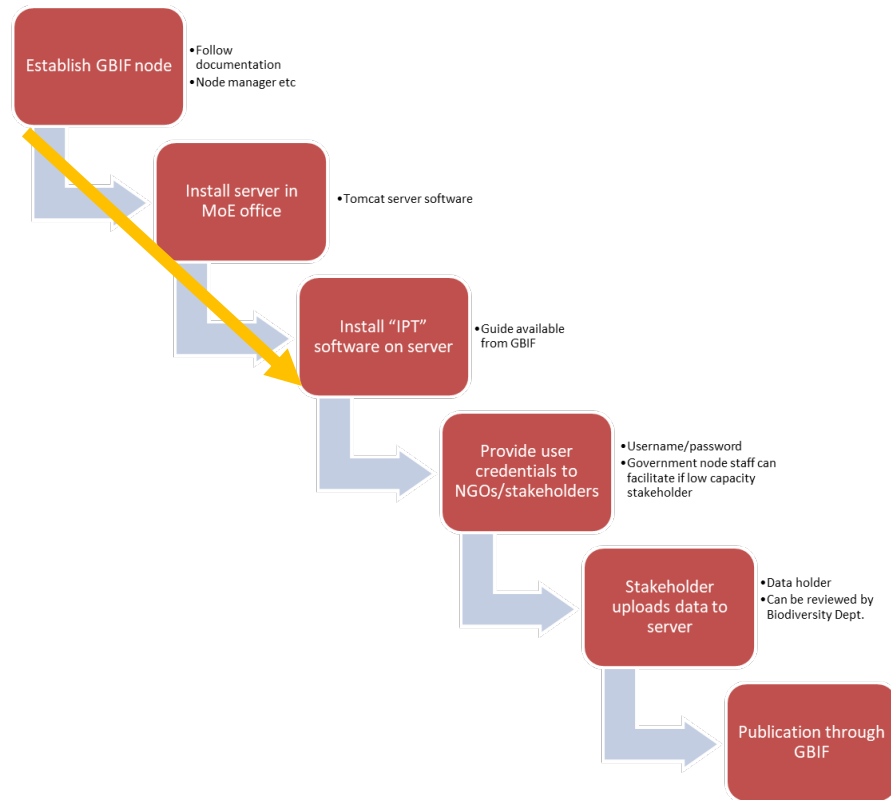
Node roles

- Studied different web-bases
- Simplify the Darwin's core term to local language
- Build own interface
- Develop our data storage/cloud
- Conducted series consultation and data mobilization
- Fund raising



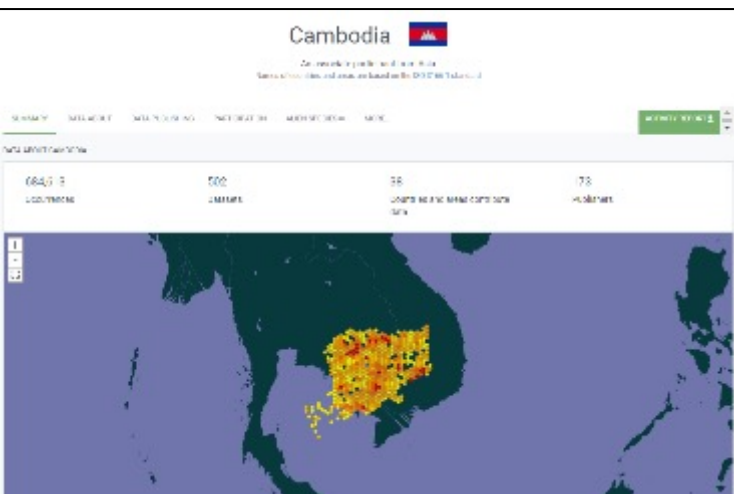
Node roles (cont.)

- <http://chm-ncsd.moe.gov.kh/>
- <https://bioims.web.app/>



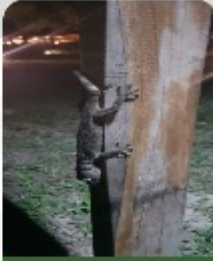
Node roles (cont.)

Observation	Event	Specimen	Occurrence	Collection	Sampling
ObservationID	EventID	SpecimenID	OccurrenceID	CollectionID	SamplingID
ObservedOn	EventDate	SpecimenDate	OccurrenceDate	CollectionDate	SamplingDate
ObservedAt	EventLocation	SpecimenLocation	OccurrenceLocation	CollectionLocation	SamplingLocation
ObservedBy	EventCollector	SpecimenCollector	OccurrenceCollector	CollectionCollector	SamplingCollector
ObservedThrough	EventMedium	SpecimenMedium	OccurrenceMedium	CollectionMedium	SamplingMedium
ObservedVia	EventMethod	SpecimenMethod	OccurrenceMethod	CollectionMethod	SamplingMethod
ObservedWith	EventTool	SpecimenTool	OccurrenceTool	CollectionTool	SamplingTool
ObservedBy	EventCollector	SpecimenCollector	OccurrenceCollector	CollectionCollector	SamplingCollector
ObservedBy	EventCollector	SpecimenCollector	OccurrenceCollector	CollectionCollector	SamplingCollector
ObservedBy	EventCollector	SpecimenCollector	OccurrenceCollector	CollectionCollector	SamplingCollector



specimens

About GBIF Cambodia

ScientificName	Country	Date Identified	Coordinates	Dataset
Gekko gekko (Linnaeus, 1758)		2022-01-04	10°33'N, 103°16'E	Inaturalist research-grade observations
Iganoia equata Friesak		2022-01-20	13°15'N, 102°56'E	Inaturalist research-grade observations
Pseudis fawcetta L.		2022-01-20	13°15'N, 102°56'E	Inaturalist research-grade observations
Melospiza fasciata (Raffles, 1821)		2022-01-14	10°27'N, 104°16'E	Inaturalist research-grade observations
Nomascus gabrielae (Thomas, 1908)		2022-01-22	12°13'N, 107°11'E	Inaturalist research-grade observations
Dalys hyacinthae (Linnaeus, 1758)		2022-01-23	10°38'N, 104°52'E	Inaturalist research-grade observations

Challenges and priority actions for your node

Challenges

1. .Data scater
2. .Limited human resouces
3. .Funding
4. .Data property right
5. .Time

Actions

1. . More effort on consultation
2. . Capacity building and external support
3. . Allocate from other projects
4. . Administrative process
5. . MoE commitment

Engagement with regional initiatives

- We work with ACB
- Attend the 2022 Virtual Data Mobilization Workshop
- Looking for support from regional experts (e.g Chihjen Ko, Mélianie Raymond...)



Priority needs at the regional level

- Specimens digitalization
- Capacity building on data cleaning and publishing
- In-person guidance on data publishing

