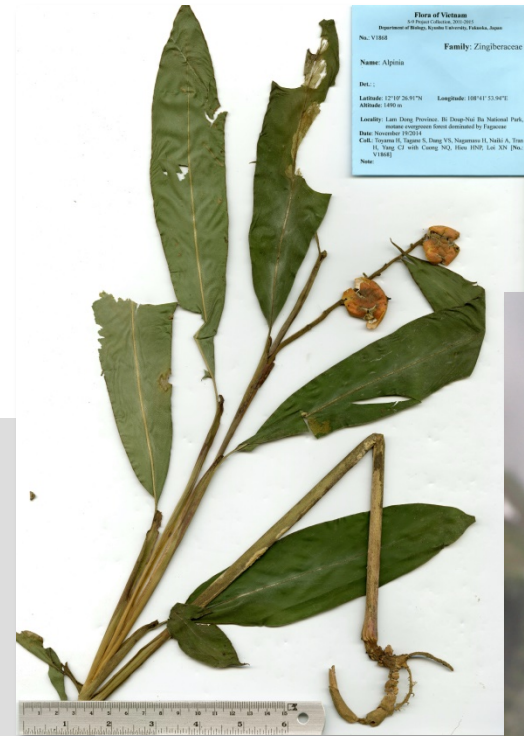


# Development of the graphical user-friendly database on plant diversity of Monsoon Asia

## “floraZia”



Yuichi Kano  
Yayoi Takeuchi

# Until now, Kano has made online database freshwater organisms of the Monsoon Asia: ffish.asia

ffish.asia カテゴリ 地図 その他 キーワード・地理配列 観察記録

キーワード検索 地理配列検索 [Basic]

部分一致 詳細検索 地図表示 On Off

53279 件 [1~30件目を表示]  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 Next >> [1776]

PID	データを隠す	# 種属データセット	標本・確認 ID	N 個体数	コメント等	その他情報	関連ファイル	種
54270	public	[+connect]	イシドジョウ QS1095-W01	≥1 [edit]	[+add]	標本・観察のタイプ: 99エタノール組織切片 (全体) 在来性: 在来	[+connect] [disconnect] public [disconnect] public	Japanese
54269	public	[+connect]	イシドジョウ QUYK-1099	10 [edit]	[+add]	標本・観察のタイプ: 99エタノール組織切片 (全体) 在来性: 在来	[+connect] [disconnect] public [disconnect] public	Japanese

詳細検索

ffish.asia カテゴリ 地図 その他 ファイル

ダウンロード (105,148)

ファイルタイプ Image / jpg

ライセンス CC BY-NC-SA 4.0

ID 3f772b05-f9c3-4877-f0e1-02e606c07451

種名・種ID Trichopsis pumila IPREDI-P01745

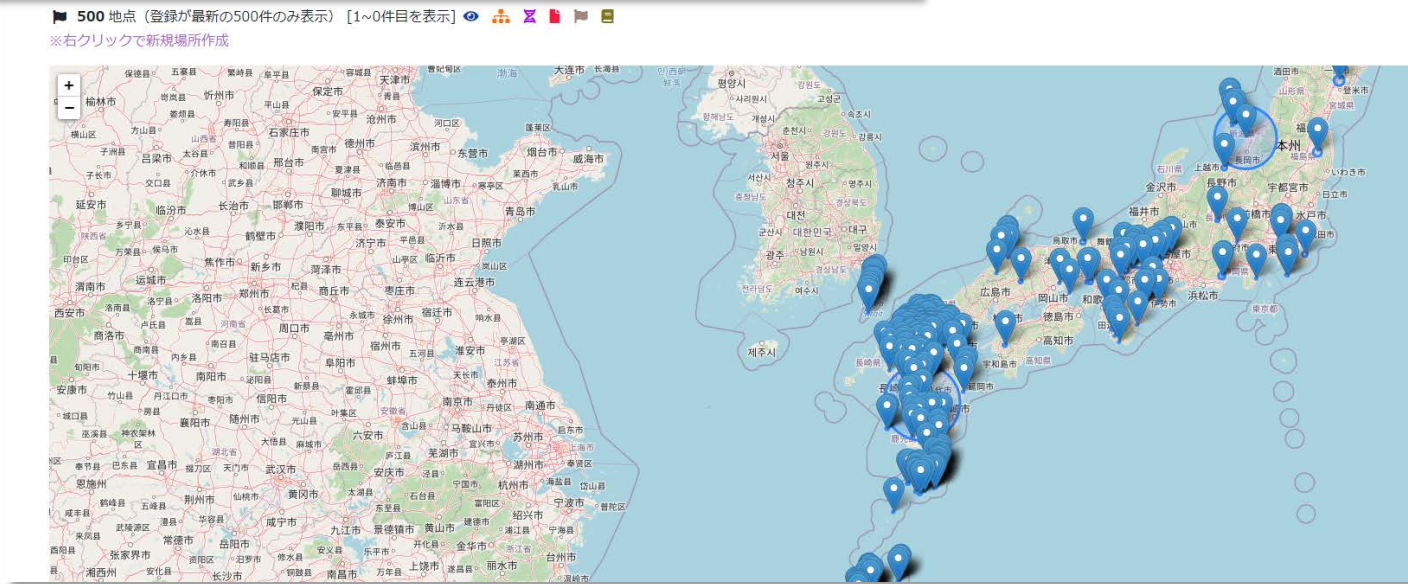
種目 Trichopsis pumila

Ca bả trê là dwarf croaking gourami, pygmy gourami rùa udaka (Maud) (魚) (Trichopsis pumila) (They kroem tun sai)

種目・年月 IPREDI-P01745 カンボジア 2007/12

同一種々の魚ファイル

En Y. Kano 0.48sec 2.5M





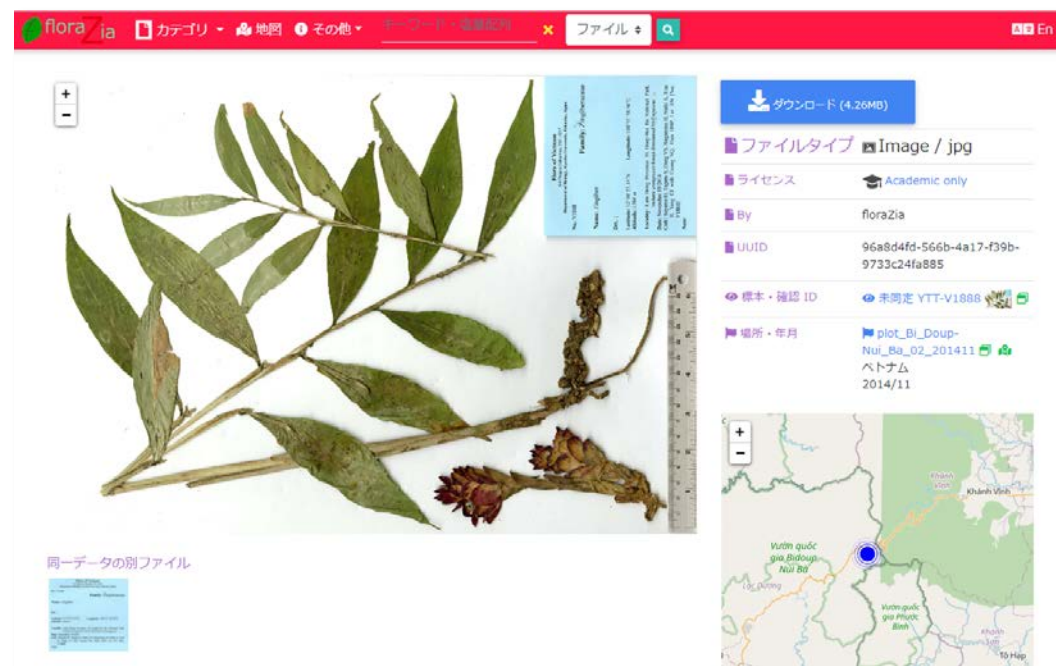
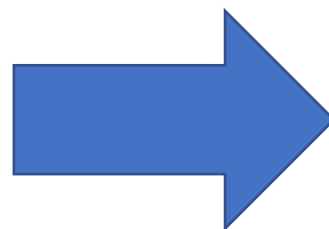
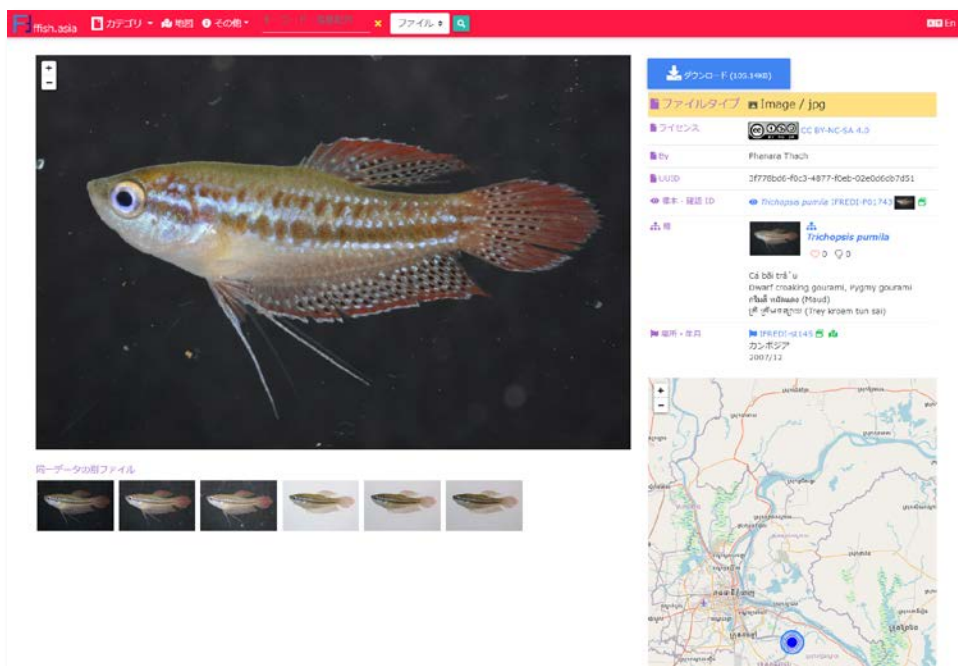


Yayoi



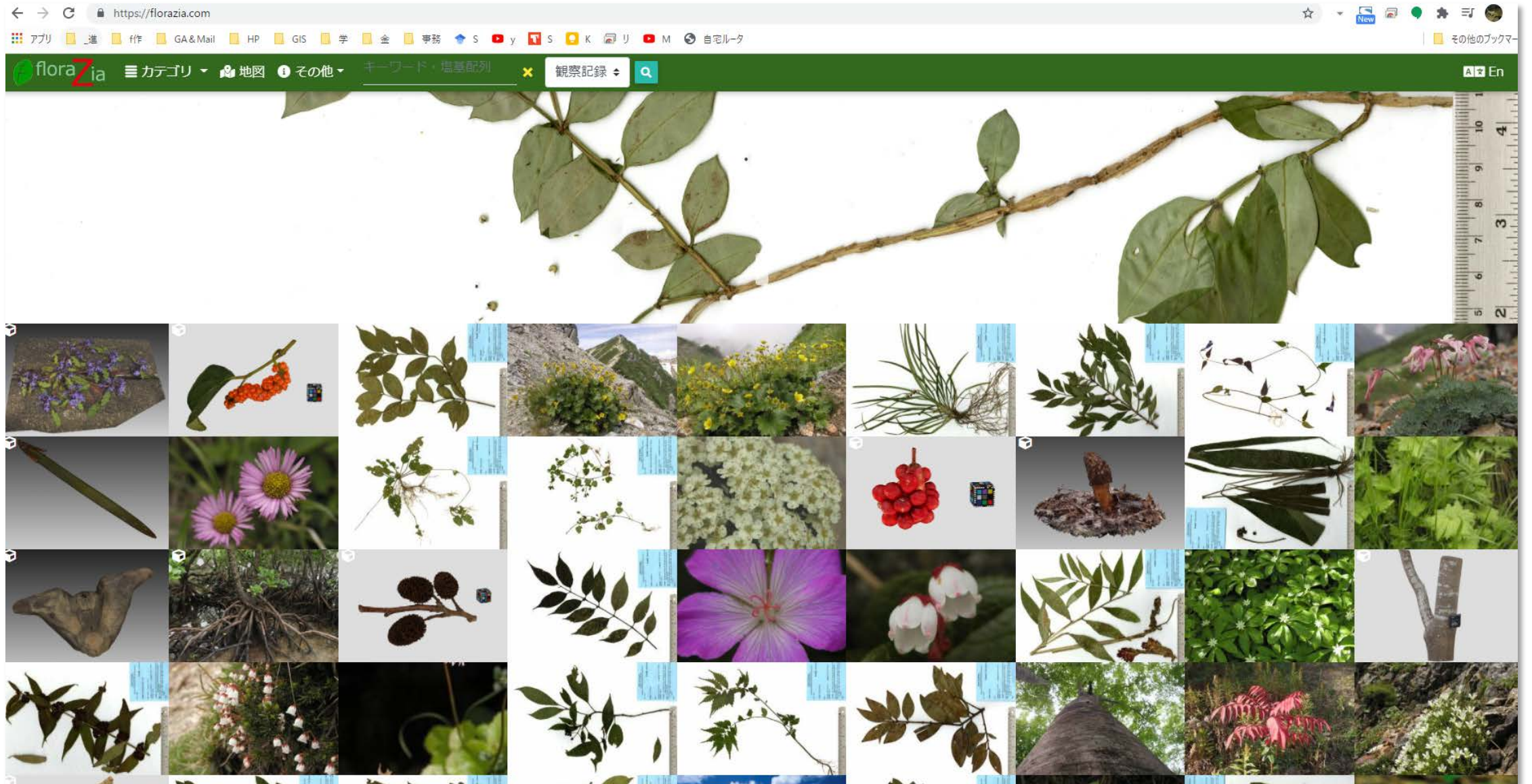
Kano

# Can we apply for the system of “ffish.asia” to the plants?



## Yes, we can!

# “floraZia.com”

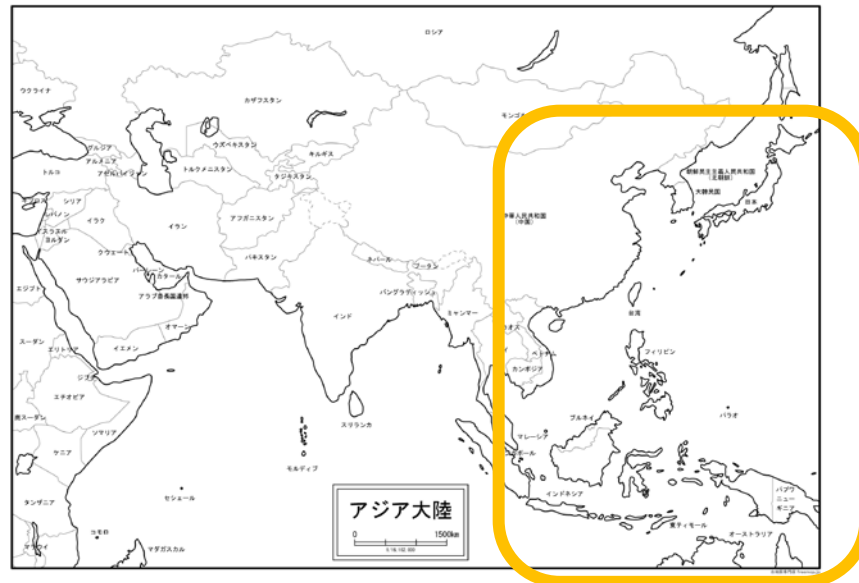


# The origin of the name "floraZia" (why not "floraSia")

To make it "endemism" on internet: easy to search

(e.g. famous website "disqus" not "discuss")

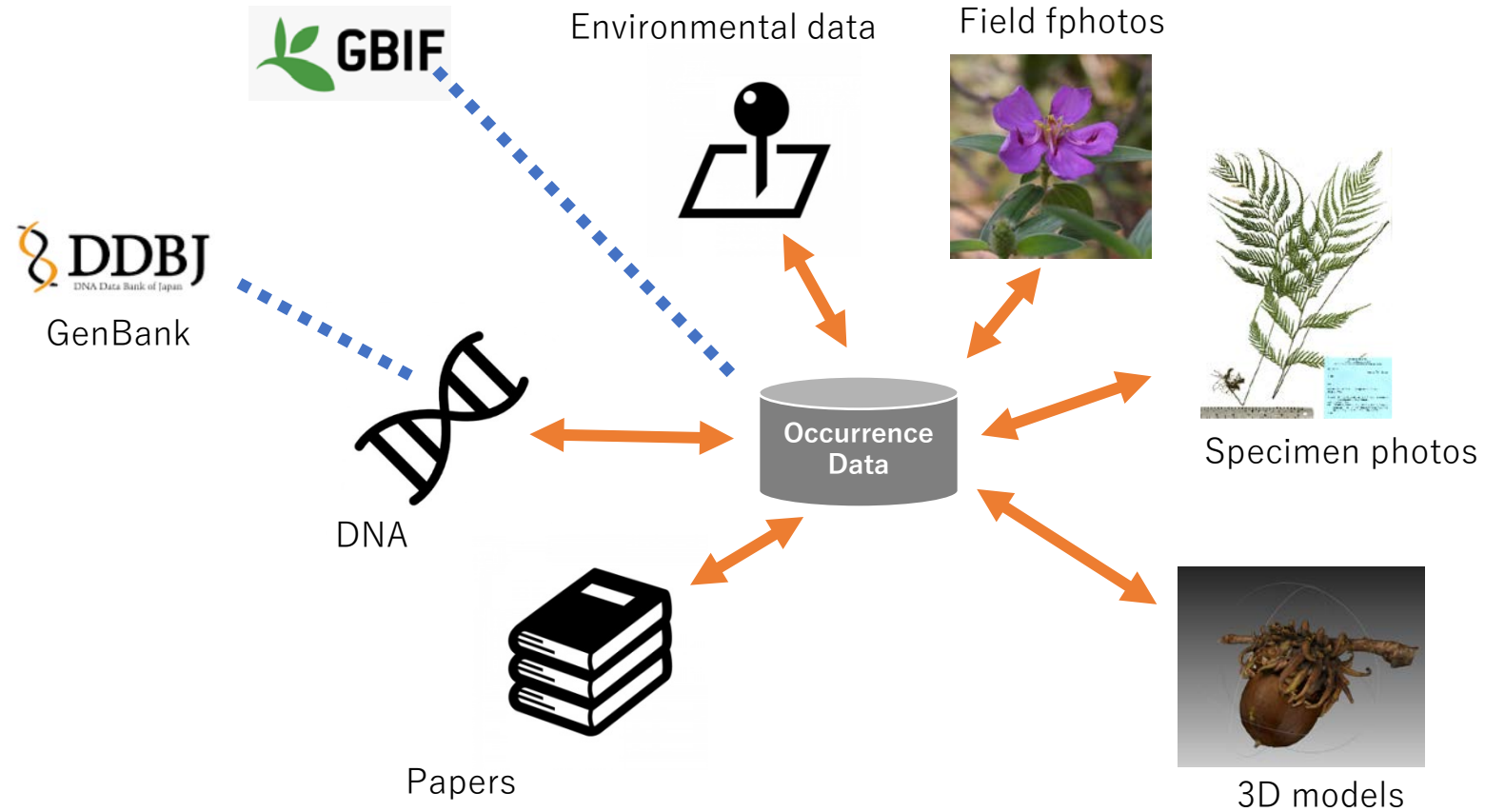
Our research locations are eastern side of Asia, i.e. "Azia"



A B C ..... Z



# The structured system of floraZia
















Almost same as "ffish.asia"

**The contents of “floraZia”**

# Ordinary search on occurrence/taxa/DNA/media/locality/literature data by keywords

Search “Syzygium” DNA data

The screenshot shows the floraZia search interface. The search bar contains "Syzygium" and the category is set to "DNA". The search results are displayed in a table with 8 hits. The table columns are: DNA information, Specimen/occurrence ID, Species, Associated file(s), Locality/Year/Month, and Associated source. The results list Syzygium oblatum, Syzygium zeylanicum, and Syzygium syzygioides with their respective GenBank IDs, specimen IDs, and collection locations in Cambodia.

	DNA information	Specimen/occurrence ID	Species	Associated file(s)	Locality/Year/Month	Associated source
<a href="#">More</a>	<a href="#">AB924759 (matK) [1]</a> GenBank:AB924759	<a href="#">Syzygium oblatum YT-T-C91</a>	 <a href="#">Syzygium oblatum</a> ❤️ 0 🗨️ 0	 	<a href="#">plot_RG01_KampongThom</a> Cambodia 2010/1	
<a href="#">More</a>	<a href="#">AB924747 (matK) [1]</a> GenBank:AB924747	<a href="#">Syzygium zeylanicum YTT-C78</a>	 <a href="#">Syzygium zeylanicum</a> ❤️ 0 🗨️ 0	 	<a href="#">plot_RG01_KampongThom</a> Cambodia 2010/1	
<a href="#">More</a>	<a href="#">AB924734 (matK) [1]</a> GenBank:AB924734	<a href="#">Syzygium syzygioides YTT-C64</a>	 <a href="#">Syzygium syzygioides</a> ❤️ 0 🗨️ 0		<a href="#">plot_KT21-24_KampongThom</a> Cambodia 2010/1 - 2010/1	
<a href="#">More</a>	<a href="#">AB924710 (matK) [1]</a> GenBank:AB924710	<a href="#">Syzygium syzygioides YTT-C38</a>	 <a href="#">Syzygium syzygioides</a> ❤️ 0 🗨️ 0		<a href="#">plot_KT21-24_KampongThom</a> Cambodia 2010/1 - 2010/1	
<a href="#">More</a>	<a href="#">AB925370 (rbcl) [1]</a>	<a href="#">Syzygium oblatum YT-T-C91</a>	 <a href="#">Syzygium oblatum</a> ❤️ 0 🗨️ 0	 	<a href="#">plot_RG01_KampongThom</a> Cambodia	



# Blast search on occurrence/taxa/DNA/media/locality/literature data by DNA seq

Search “GATGCCTCTTCT……” occurrence data

floraZia Category MAP OTHERS Syzygium DNA









Keywords Search Homology search [Blast]

GATGCCTCTTCTTGCATTATTACGTTTCTTTCCACGAGTATTGGAATAGTCTTATTACTCCAAGAACATATTACCCTTTTTTCAAAGGTAATCCAAGATTATTCT

Over90% Execute BLAST

6 hit .fasta [Showing data associated with 100 haplotypes (identity more than %)]

Show 100 entries Filter:

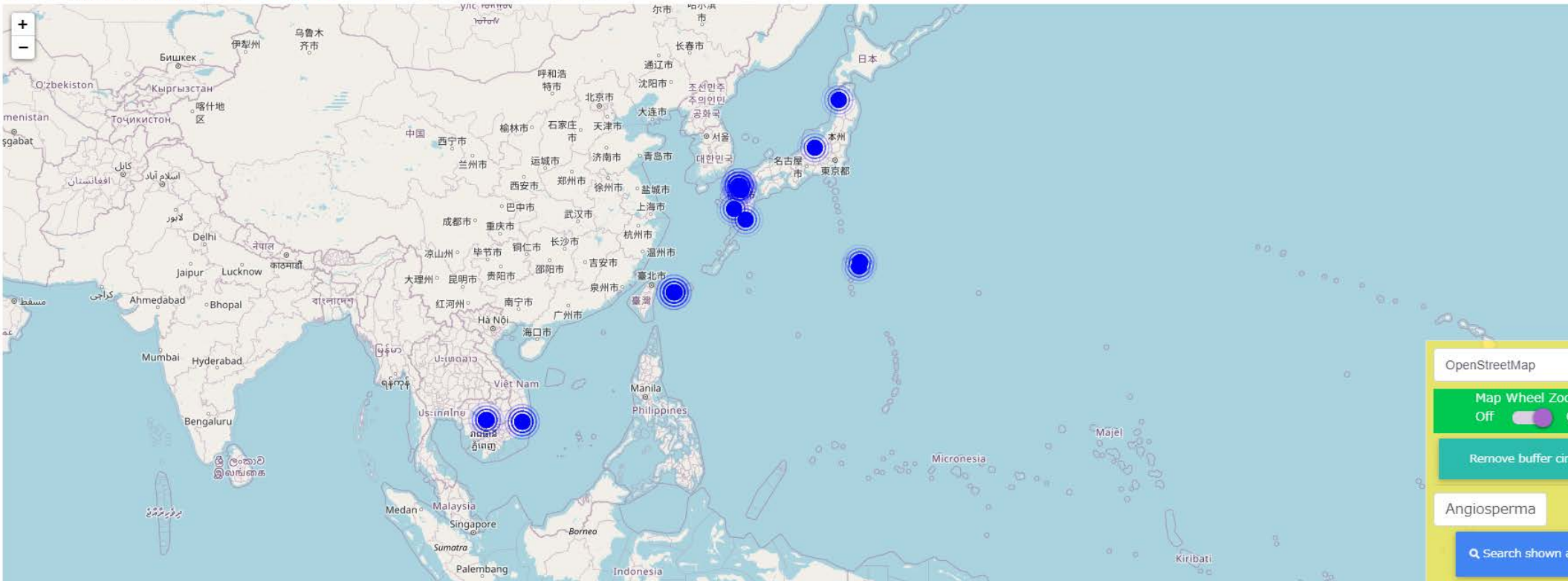
Identity	DNA information	Specimen/occurrence ID	Species	Associated file(s)	Locality/Year/Month	Associated source
More 100.0	AB924759 (matK) [1] GenBank:AB924759	Syzygium oblatum YT T-C91	 Syzygium oblatum ❤️ 0 🗨️ 0		plot_RG01_KampongThom Cambodia 2010/1	
More 100.0	AB924747 (matK) [1] GenBank:AB924747	Syzygium zeylanicum YTT-C78	 Syzygium zeylanicum ❤️ 0 🗨️ 0		plot_RG01_KampongThom Cambodia 2010/1	
More 100.0	AB924734 (matK) [1] GenBank:AB924734	Syzygium syzygioides YTT-C64	 Syzygium syzygioides ❤️ 0 🗨️ 0		plot_KT21-24_KampongThom Cambodia 2010/1 - 2010/1	
More 100.0	AB924710 (matK) [1]	Syzygium syzygioides	 Syzygium syzygioides ❤️ 0 🗨️ 0		plot_KT21-24_KampongThom Cambodia	

# Search on map by keywords

Keywords Search Homology search [Blast]

Search locality  
Angiospermae Partial match More

22 locations [Showing 1~0] Unsatisfactory search result?



# Blast search on map by DNA seq

Keywords Search **Homology search [Blast]**

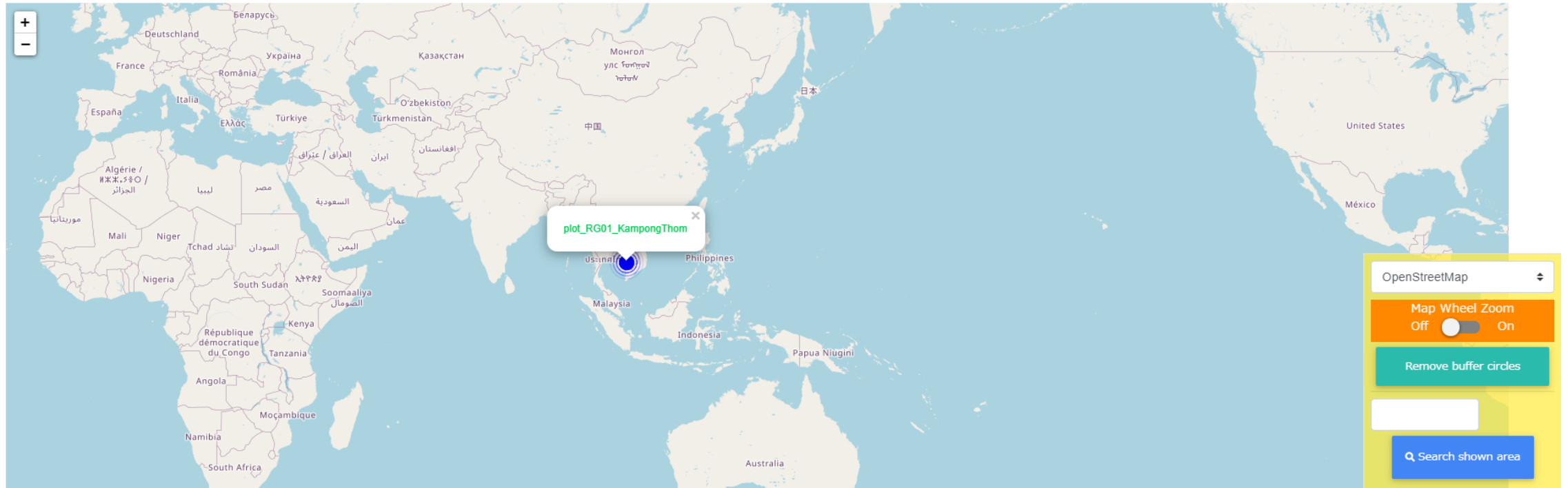
```
GACGCCTCTCCTTGCATTATTACGATTCTTTTCCACGAATATTGGAATTGGAATACTCTTATTGATAGAAAGAAACCCAGTTTGGATTTTCACCAAAAAGAAATCAAAAATTATTCTTCTTGTGTATATAATTCTCATGTATGTGAATACGAATCCATTTTCTCTTCTCCGTAAGGAATCTTCTCATTGCGATCAACATCTTTGGAGTCTTCTTGAACGGATATATTTCTATGAAAAAAGAACGTCTTGTAGAAGTCTTTGCTAAGGATTTTCAAGCCAGTCTATGGTTGTTCAAAGATCCTTTCATACATTATGTTAGGTATCAAGGAAAATCCATTCTGGTTTCAAATGGGACGCCTCTTTGATGAATAAATGGAATCTTACCTTGTCAATTTTGGCAATGTCATTTGGTATTTGGTTTCAACCCGGAAGGGTCTATATAACCAATTACCCAATCTCCCTTAACTTTATGGGGCTATCTGTCAAGTGTGGACTAAACCATTCAATGGTACGGAGTCAAATGCTAGAAAAATCATTTCTAATCAATAATGCTATTAAGAAATTTGATACCTTGTCCACTTATCCCTCATTGGATCATTGGCTAAAGCGAAATTTGTAACCTATTAGGACATCCCATTAGTAAGCCGATTTGGACTGATTTGGCAGATTCTGATATATTGACCGATTTTGCATATATGCAAAAACCTTTCTCATTATTATAGCGGATCTTCAAAAAAAGAGTTTGTATCGAATAAAGTATATA
```

Execute BLAST

Over90%

No map filtering by BLAST search

1 locations [Showing data associated with 100 haplotypes (identity more than %)]





# Summarizing paper data visually









**Associated source** 田金秀一郎・山崎海都 (2020) リュウキュウマユミを下飯島に記録する. Nature of Kagoshima 47:155-156

**Original URL** <http://journal.kagoshima-nature.org/047-031>

**Language** Japanese


**Comment(s)** Journal title in Japanese: かごしまネイチャー

**Specimen/occurrence ID**





- [Euonymus lutchuensis](#) KAG 151252 
- [Distylium racemosum](#) Isunoki\_Tagane(2020) 
- [Quercus glauca](#) Arakashi\_Tagane(2020) 
- [Quercus acuta](#) Akagashi\_Tagane(2020) 
- [Machilus thunbergii](#) Tabu\_Tagane(2020) 
- [Ficus erecta](#) Inubiwa\_Tagane(2020) 
- [Symplocos glauca](#) Mimizubai\_Tagane(2020) 
- [Cleyera japonica](#) Sakaki\_Tagane(2020) 

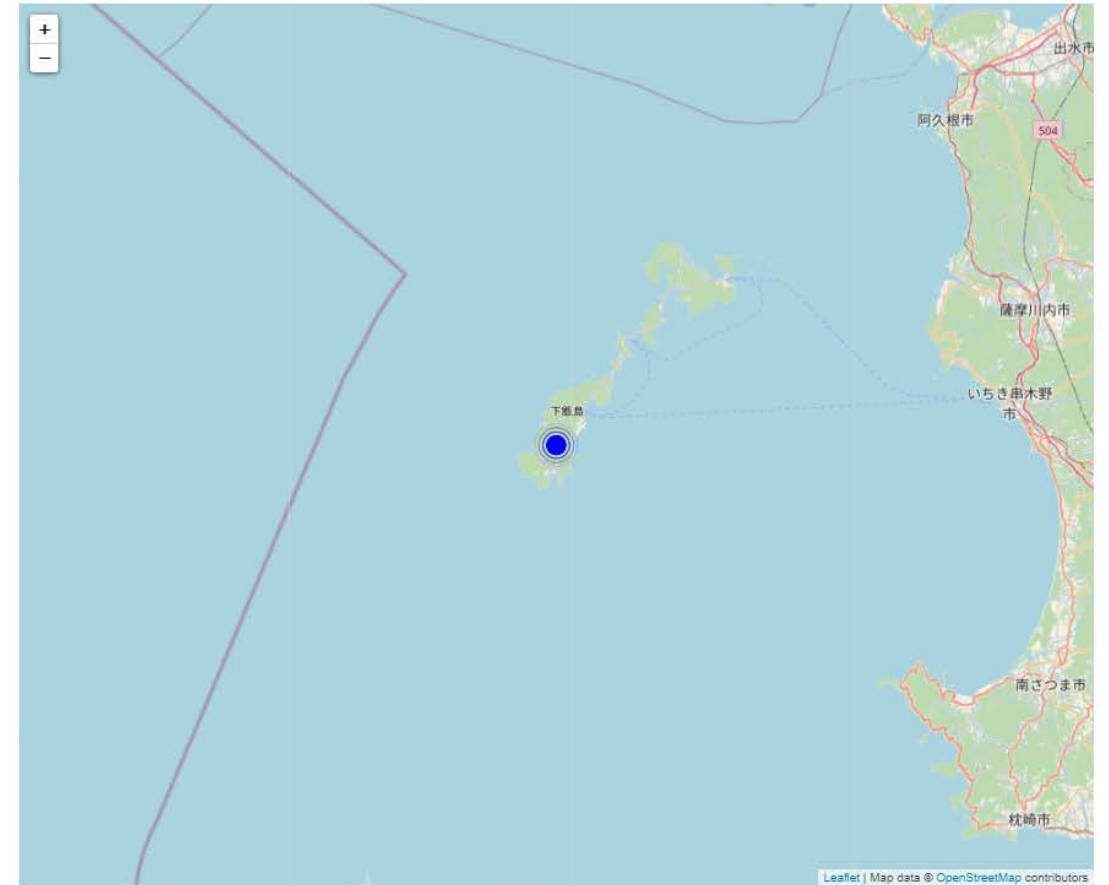
[More](#)

**Associated file(s)**



**Species**

-  [Euonymus lutchuensis](#)  
♥ 0
-  [Distylium racemosum](#)  
♥ 0
-  [Quercus glauca](#)  
♥ 0
-  [Quercus acuta](#)  
♥ 0



Circle center does not necessarily imply the sampling point



# Retrieve dataset by a unique URL

<https://florazia.com/KitaAlps2002July>

The screenshot shows a web browser with the URL <https://florazia.com/KitaAlps2002July> in the address bar. The website interface includes a search bar with the text 'data', navigation tabs for 'Keywords Search' and 'Homology search [Blast]', and a search filter set to 'Partial match'. A 'Map Filter' toggle is visible on the right, currently set to 'Off'. Below the search bar, it indicates '46 hit'.

	Specimen/occurrence ID	Associated file(s)	Property	Species	DNA information	Locality/Year/Month	Associated source
<a href="#">More</a>	<a href="#">Abies mariesii</a> PL-OYK001-W46 [KitaAlps2002July]		Specimen/observation type: Observation Native or Alien: Native	<a href="#">Abies mariesii</a> ❤️ 0 🗨️ 0		<a href="#">PL-OYK001_KitaAlps2002</a> Japan 2002/7 - 2002/7 	
<a href="#">More</a>	<a href="#">Cornus canadensis</a> PL-OYK001-W45 [KitaAlps2002July]		Specimen/observation type: Observation Native or Alien: Native Growth stage: Flower	<a href="#">Cornus canadensis</a> ❤️ 0 🗨️ 0		<a href="#">PL-OYK001_KitaAlps2002</a> Japan 2002/7 - 2002/7 	
<a href="#">More</a>	<a href="#">Streptopus amplexifolius</a> PL-OYK001-W44 [KitaAlps2002July]		Specimen/observation type: Observation Native or Alien: Native Growth stage: Flower	<a href="#">Streptopus amplexifolius</a> ❤️ 0 🗨️ 0		<a href="#">PL-OYK001_KitaAlps2002</a> Japan 2002/7 - 2002/7 	
						<a href="#">PL-OYK001_KitaAlps2002</a> Japan 2002/7 - 2002/7 	

# Discussion with any users

floraZia カテゴリ 地図 その他 キーワード: 帰属配列 観察記録 En

標本・確認 ID Shirakami2000-06-W01 (@floraZia)

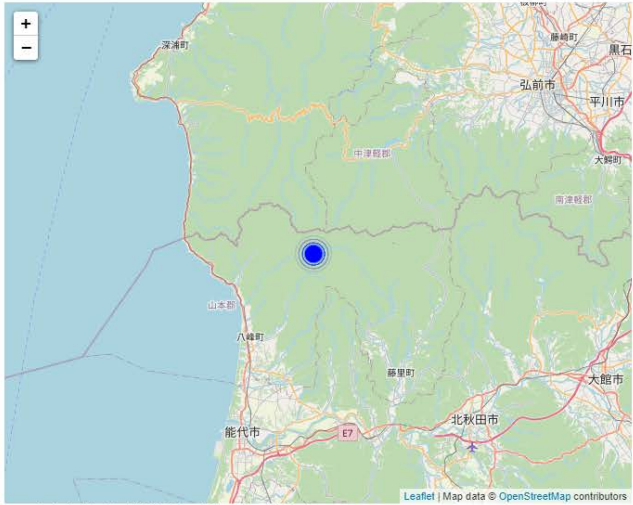
種 ?ニリンソウ *Anemone flaccida*  
0 0

N 個体数・株数 ≥1

その他情報 標本・観察のタイプ: 目視  
在来性: 在来  
成長段階: 花

関連ファイル

場所・年月 Shirakami2000-06  
日本  
2000/6 - 2000/6



円の中心や範囲内が観察地・採集地とは限りません

OpenStreetMap 地図ホイールズーム Off On

2 Comments floraZia.com Disqus' Privacy Policy Login

Recommend Tweet Share Sort by Best

Join the discussion...

LOG IN WITH OR SIGN UP WITH DISQUS ?

D f t G Name

**Yuichi Kano** Mod · 2 months ago  
これってニリンソウですかね?  
^ | > · Reply · Share

**Shuichiro Tagane** → Yuichi Kano · 2 months ago  
自信ないですがニリンソウでいいのではないですか  
^ | > · Reply · Share

Subscribe Add Disqus to your site Do Not Sell My Data DISQUS




# Easy to explore the photos

Browser tabs: 【至急】学術変革領域 (A) 科研修, (b) 研究遂行能力及研究環, Carpinus viminea, アジア 自地図 プリ- Google 検索, 新しいタブ

Address bar: <https://florazja.com/?page=file&pid=147>

Navigation: 戻る, 進む, 検索, 履歴, 設定, 拡張機能, 印刷, 共有

florazja Category MAP OTHERS file



**Flora of Vietnam**  
S-9 Project Collection, 2011-2015  
Department of Biology, Kyushu University, Fukuoka, Japan  
No.: V1829

**Family: Betulaceae**

**Name:** *Carpinus viminea* Wall. ex Lindl.

**Det.:** Tagane S., November 19/2014

**Latitude:** 12° 0' 26.017" N    **Longitude:** 108° 41' 53.94" E

**Altitude:** 1400 m

**Locality:** Lam Dong Province, Bi Doung-Nui Ba National Park, montane evergreen forest dominated by Fagaceae

**Date:** November 19/2014

**Coll.:** Tagane S., Tagane S., Dang S.S., Nguyenman H., Nishi A., Yano H., Yang G.J., Nishi Guang, S.Q., Hara H.N.P., Lot. XX (Det. V1829)

**Note:**

**Download (3.52MB)**

**File type:** Image / jpg

**License:** Academic only

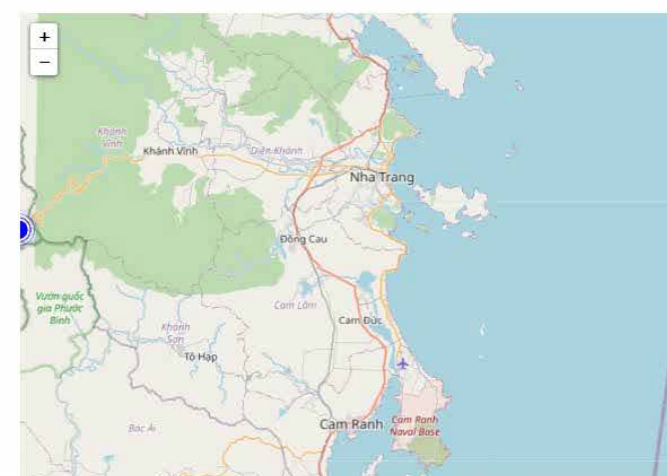
**By:** Shuichiro Tagane

**UUID:** 63bcc291-016f-4d5a-acfe-b3a92c8ed506

**Specimen/occurrence ID:** [Carpinus viminea YTT-V1829](#)

**Species:** [Carpinus viminea](#)  
Himalayan Hornbeam

**Locality/Year/Month:** [plot\\_Bi\\_Doung-Nui\\_Ba\\_01\\_201411](#)  
Vietnam  
2014/11



Associated files of identical specimen

Windows taskbar: 16:22 2021/05/14


# 3D model

Browser tabs: 【至急】学術革新領域 (A) 科研課, (b) 研究遂行能力及び研究環, キランソウ | Ajuga decumbens, アジア 自地図 フリー - Google 検索, 新しいタブ

Address bar: <https://florazia.com/?page=file&pid=595>

Navigation: 戻る, 進む, リロード, 検索

floraZia navigation: Category, MAP, OTHERS, file



[Download \(97.11MB\)](#)


**File type** 3D model / gltf

**License** Academic only

**By** floraZia


**UUID** 7faae1d-0bdd-4752-ed5d-e79a7917902b


**Specimen/occurrence ID** [Ajuga decumbens QS1083-W01](#)

**Species**  **Ajuga decumbens** 0 likes, 0 comments


**Comment(s)** URL: <https://sketchfab.com/3d-models/cb1fe9f4...>

**Locality/Year/Month** [QS1083\\_Nijo](#)

Japan 



Associated files of identical specimen



Windows taskbar: 16:07 2021/05/14



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- Share — copy and redistribute the material in any medium or format
  - Adapt — remix, transform, and build upon the material for any purpose, even commercially.

CC BY 4.0



Download (395.87KB)

File type: Image / .jpg

License: CC BY 4.0

By: floraZia

UUID: b273f609-ea22-43b1-fc26-d83f735105c7

Specimen/occurrence ID: [Lilium medeoloides PL-OYK001-W25](#)

Species: [Lilium medeoloides](#)

Comment(s): URL: <https://twitter.com/AsiaFfish/status/134...>

Property: Part/object: Flower

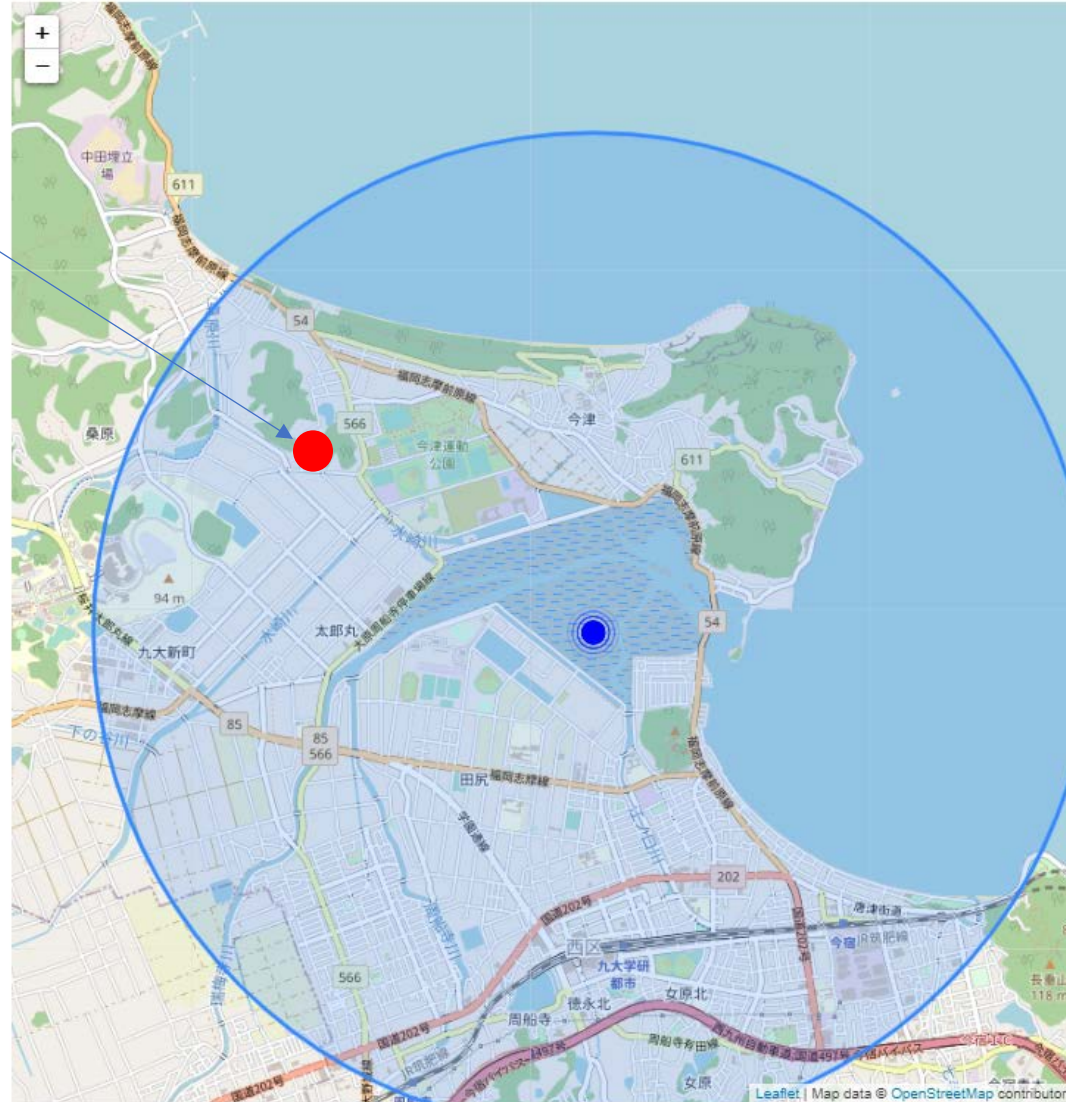
Locality/Year/Month: [PL-OYK001\\_KitaAlps2002](#)  
Japan  
2002/7 - 2002/7

A grid of six small thumbnail images showing various landscape views from the collection site, including mountains, a sunset, and a forest.



# Fuzz the locality details for rare/endangered species

Actual data



Circle center does not necessarily imply the sampling point

# Search by local names

キーワード検索 塩基配列検索 [Blast]

標本・観察記録 検索

探し

部分一致



詳細検索

地図絞込



Off



On

1件 思うように検索できない場合

	標本・確認 ID	関連ファイル	その他情報	種	DNA情報	場所・年月	文献
詳細	<a href="#">Shorea obtusa YTT-C 37</a> 		在来性: 在来 標本・観察の タイプ: 乾燥 標本	 <a href="#">Shorea obtusa</a> ♡ 0 💬 0 Taengwood Balau ຈິກ (chik) ประจัต (pra-chat) ประจักษ์ (pra-choek) เต็ง (teng) แ่ง (ngae) ຈີກ (chik) ផ្លែក (phchök)	<a href="#">AB925320 (rbcl) [1]</a>  <a href="#">AB924709 (matK) [1]</a> 	<a href="#">plot_KT21-24_KampongThom</a>  カンボジア 2010/1 - 2010/1	
	標本・確認 ID	関連ファイル	その他情報	種	DNA情報	場所・年月	文献

And more functions.....



# Plan for 2021

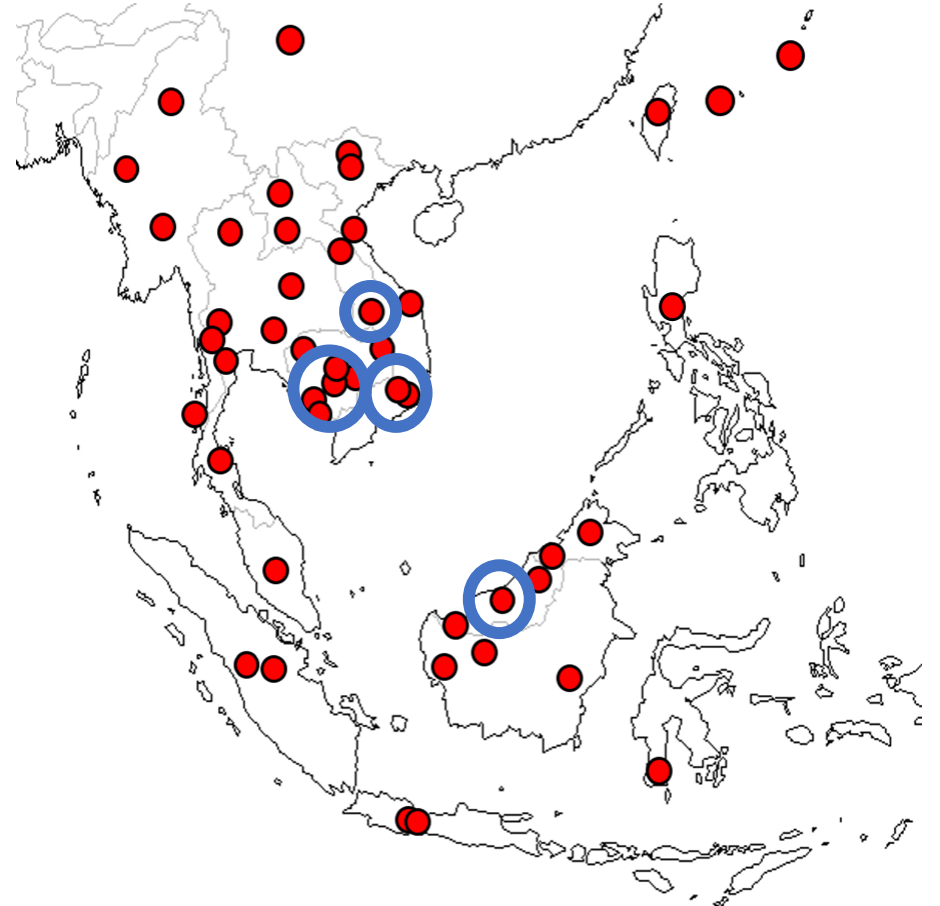
System development of “floraZia” has almost been completed.

Species identification, sequencing > Data input > Data curation > Data papers > Open!

In 2021, we are targeting the areas, “Cambodia”, “Vietnam”, “Laos” and a part of “Sarawak” (Ulu Anap)

## Challenges/Issues

- How to treat rare/endangered species
- Data policy
- Accessibility, usability
- Data papers
- Language
- Collaboration with counterparts



# Implementation in capacity building activities

- **Capacity building programs**  
Japan: Monitoring 1000 site  
Asia: ESABII
- **Publishing picture books**  
(Or online apps)
- **Training courses on Data collection, Data curation, Data paper**

A picture guide of forest trees  
in Cambodia I  
~ Kampong Chhnang ~

រូបភាពឈើសំបុត្រាឃ្លា អំពីឈើព្រៃនៅកម្ពុជា



Center for Asian Conservation Ecology, Kyushu University,  
6-10-1 Hakozaki, Fukuoka. 812-8581, Japan.

June 25, 2012

Anacardiaceae *Buchanania reticulata* Hance  
Kmer name: ដើមលើងដើមស្លឹកធំ [Laingchey Sleuk Thom], ដើមផ្លែត្បូរលំបាក [Morak Baraing]



Distribution: Cambodia, Laos, Thailand, Vietnam.  
Observation: **Tree** grown up to 10m tall; occasionally found in deciduous plots of  
Kampong Chhnang.  
Specimen No. 144, 167, 189

**We hope to collaborate with you for “floraZia” through APBON.**

**Please contact to me or Yayoi if you are interested.**

Thank you for listening

