

Compiling a Multi-language Gazetteer of Occurrence Distribution in Asia

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Node Manager of GBIF CAS

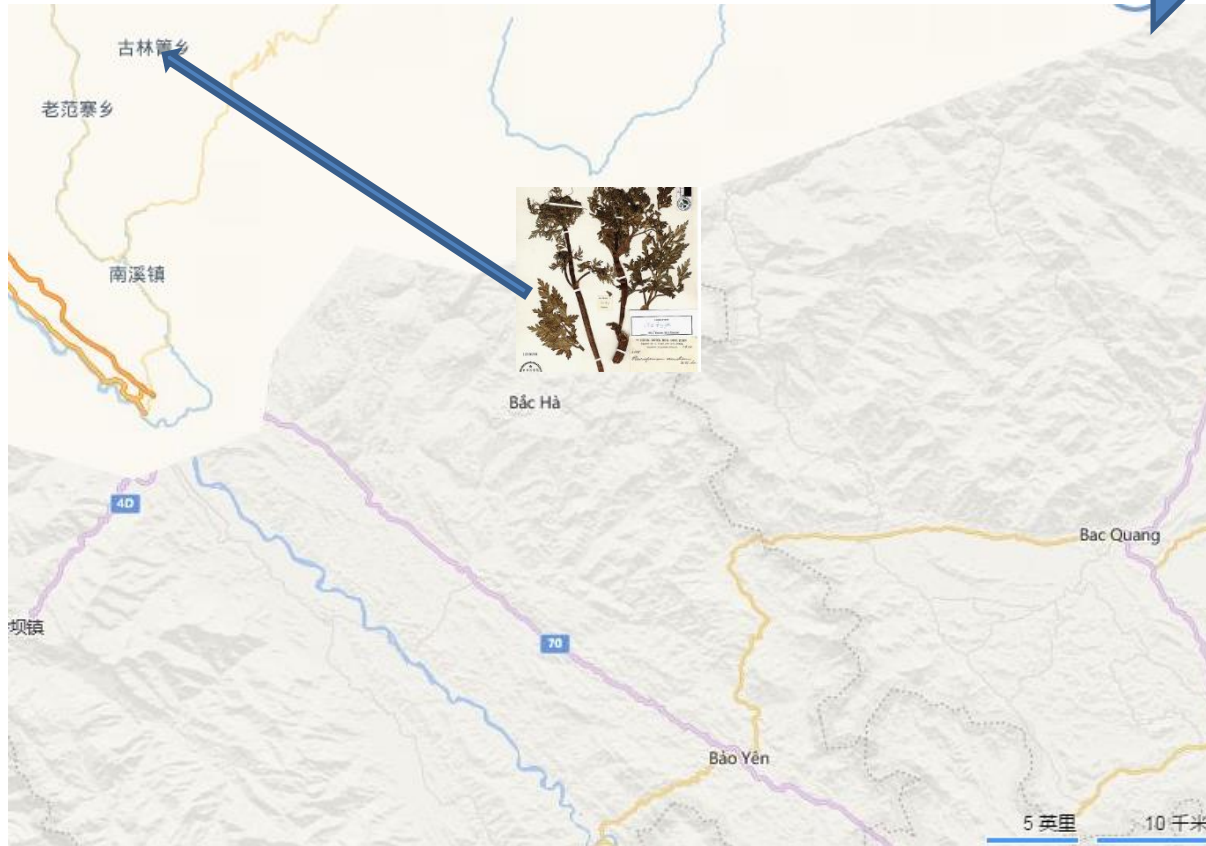
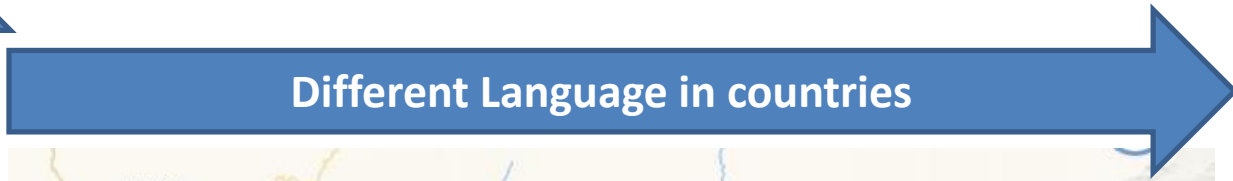
Outline



- Background
- Progress
- Future work

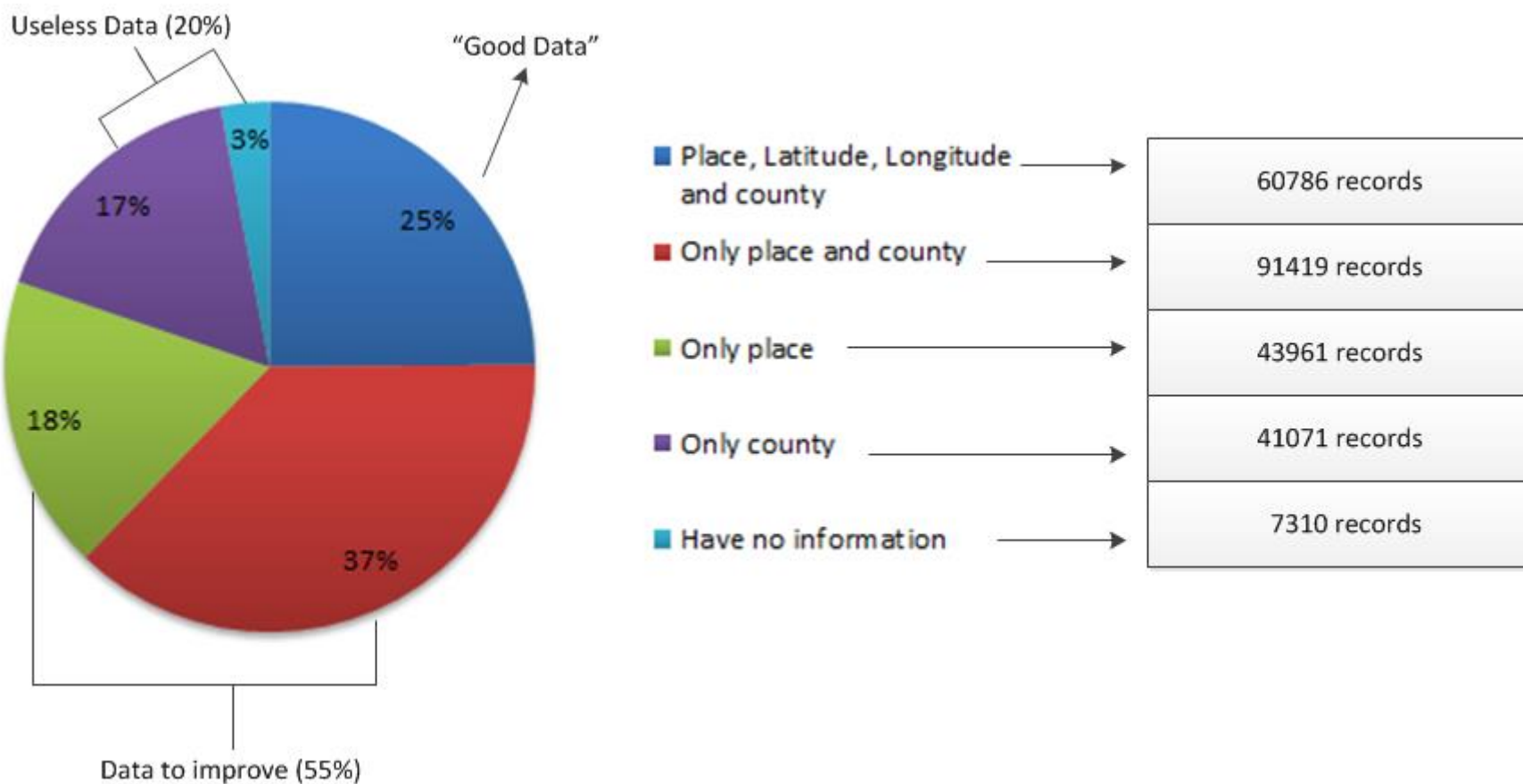


Background



Background: Specieslink

- SpeciesLink Data from Amazon State in Brazil



locality	specimenCount	years
Chapa	134	1936, 1924, 1927, 1928, 1929, 1930
Tonkin.	131	1892, 1885, 1887, 1886, 1908, 1910
Tonkin	100	1888, 1886, 1885, 1887, 1992, 1800
NW slopes of Moc Linh mountain system, near	76	1995
Quang Ba District, Bat Dai Son; in primary	69	2000
Vietnam, Thanh Hoa Prov., Ben En National Park	66	2006

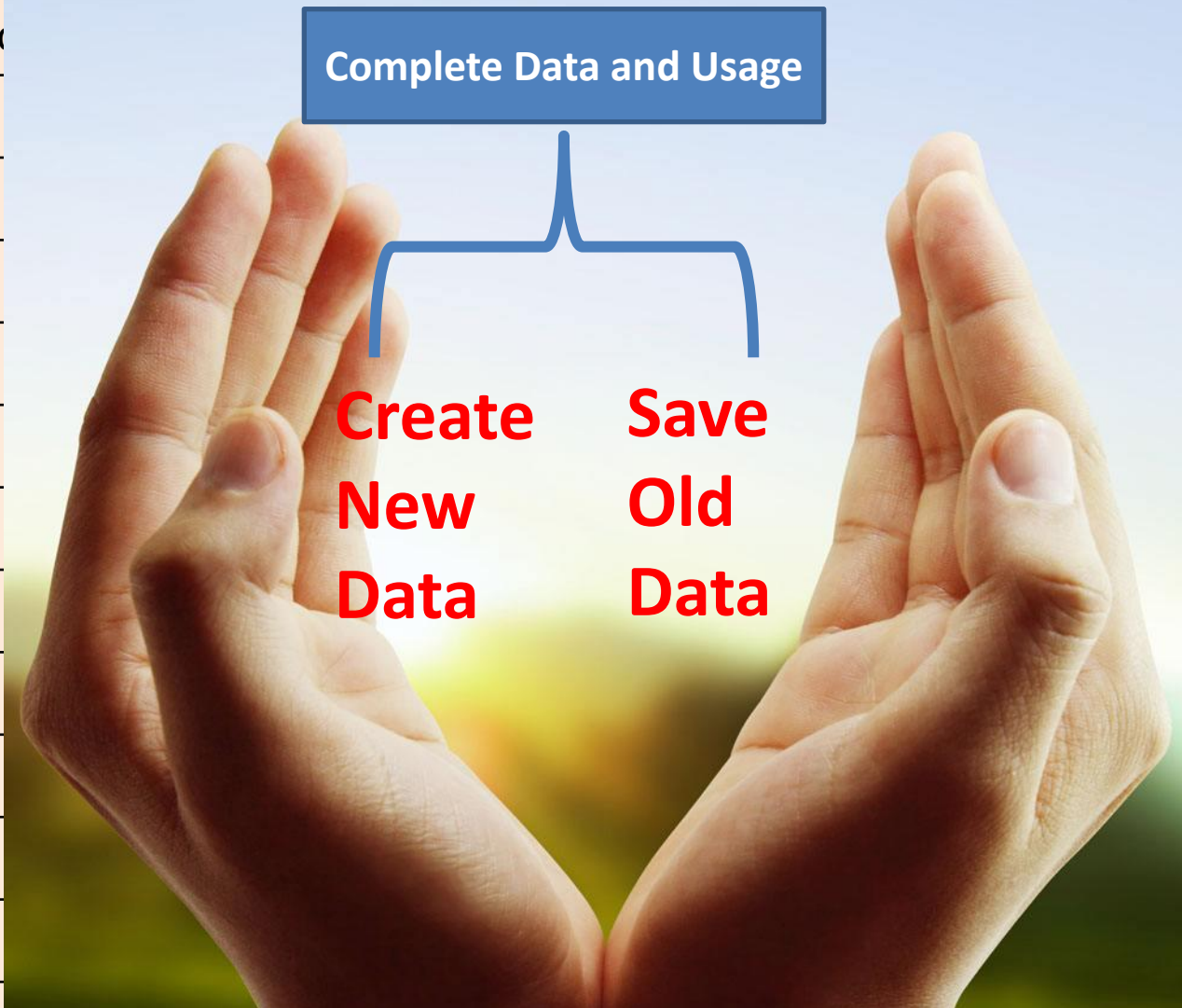
Vietnam

countrycode	locality	decimallatitude	decimallongitude
VN	N du Tonkin, Laos-entre	22.36	103.72
VN	Tonkin: Pho-Lu [=Thi Tra	22.31667	104.18333
VN	Tonkin. Province Sang Sa	22.03	102.67
VN	Dist. Dak Gley, about	22.0	105.0
VN	Tonkin: Chapa, 1600 m. r	22.0	105.0
VN	Tonkin; Province Sang Sa	21.83	106.73

locality	countrycode	locality	decimallatitude	decimallongitude
VN		Tonkin. Massif du Tam Do	21.43333	105.7
VN		Indo-China; Kau Nga Shar	21.33	107.4
VN		Tonkin - Tonkin	21.32472	105.81111
VN		Tonkin - Vallée de Bantoc	21.32472	105.81111
VN		Tonkin - Dong-Dang, dans	21.32472	105.81111
VN		Tonkin - Forêts du mont-	21.32472	105.81111
VN		Tonkin - Bois de Co-Pha	21.32472	105.81111
VN		Tonkin - Tu-Phap	21.32472	105.81111
VN		Tonkin - Tu-Phap, dans l	21.32472	105.81111
VN		Tonkin - Forets du Mont-	21.32472	105.81111
VN		Tonkin - Village de Tch	21.32472	105.81111
VN		Tonkin - Village des éch	21.32472	105.81111
VN		Tonkin	21.32472	105.81111

Examples
 Specimens
 without
 coordinate data
 in GBIF (Plant)

Sandakan and vicinity	96	1920, 1921
Malacca.	91	1865, 1867, 1868, 1840, 1890, 1891

	All records (Plantae)		Records Without Coordinates				
Countries	Unic		 <p>Create New Data Save Old Data</p>				
Brunei						59.3%	
Indonesia						77.5%	
Cambodia						80.0%	
Laos						59.6%	
Myanmar						82.0%	
Malaysia						37.7%	
Philippines						75.1%	
Singapore						77.0%	
Thailand						31.1%	
East Timor						12.1%	
Vietnam						67.8%	
Total		438,997	1,316,708	313,891	71.5%	822,911	62.5%

Motivation

- Some challenges for Biodiversity Informatics second (Gil, 2011).
 - Deal with large volumes of information;
 - handle geographic information.
- Data from biodiversity repositories usually have a large number of records with inaccurate geographical information (Yesson, 2007)

PROPOSAL OVERVIEW		To be completed by the applicant	Office use only
Project title	Compiling a multi-language Gazetteer of Occurrence Distribution in Asia		
BIFA proposal identifier <small>Provided in GBIF confirmation email</small>	BIFA2_09		
Total funding requested (in Euros) <small>Remember that BIFA capacity enhancement grant applications may request a maximum of €10,000 from BIFA funds.</small>	€10,000		
Total co-funding offered (in Euros)	€10,000		
Project period <small>Remember that projects may be implemented over a <u>maximum</u> of 12 months, starting 1 April 2017 at the earliest and ending no later than 31 March 2018.</small>	Start date (dd/mm/yy)	End date (dd/mm/yy)	
	1 April 2017	31 March 2018	
PROJECT LEAD <small>Applications must be submitted by the project lead that will coordinate the project activities on behalf of the project collaborators and that is a legal entity located in an eligible country.</small>			
Zheping Xu			
Contact person	Email	Full international phone number	
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Name of institution	Institute of Botany, Chinese Academy of Sciences		
Country of institution	China		

Team Members: Do Van Truong(Vietnam); Dedy Darnaedi(Indonesia); Yong Kien Thai(Malaysia); Bo Liu , Hongfeng Wang, Maofang Luo(China)

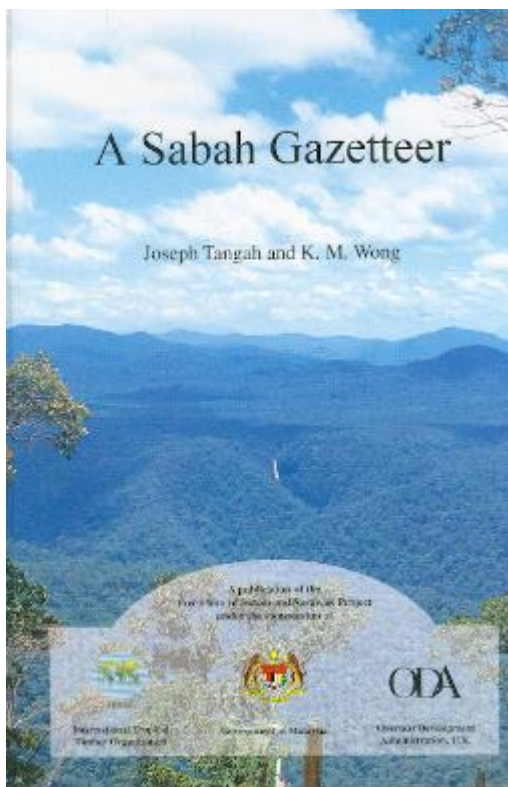
Progress

Global Gazetteer

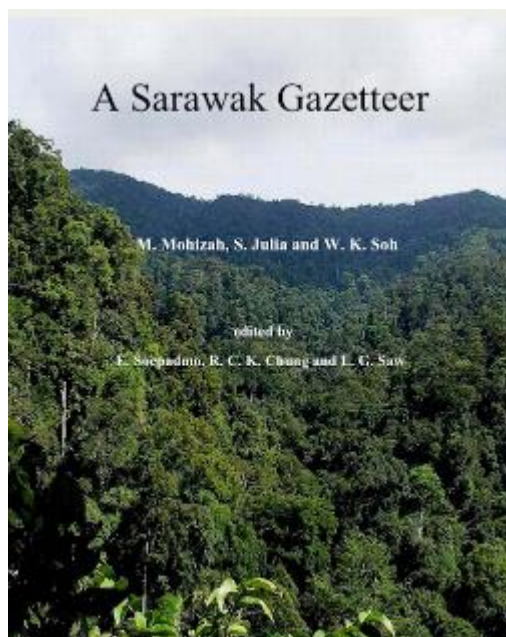
- Geonames.org
- Global Gazetteer Version 2.3
- Getty Thesaurus of Geographic Names
- Pelagios



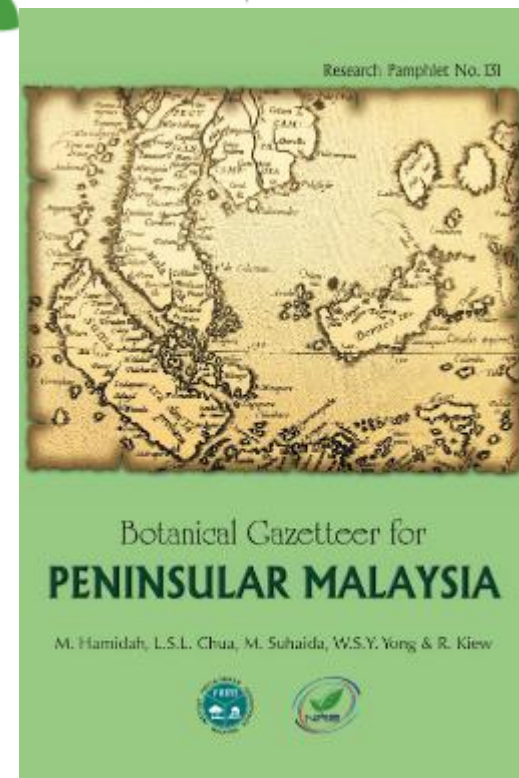
Country: Malaysia



Tangah J. & Wong K.M. (1995). A Sabah Gazetteer. Sabah Forestry Department, Forest Research Institute Malaysia (FRIM) Malaysia. pp. 125.



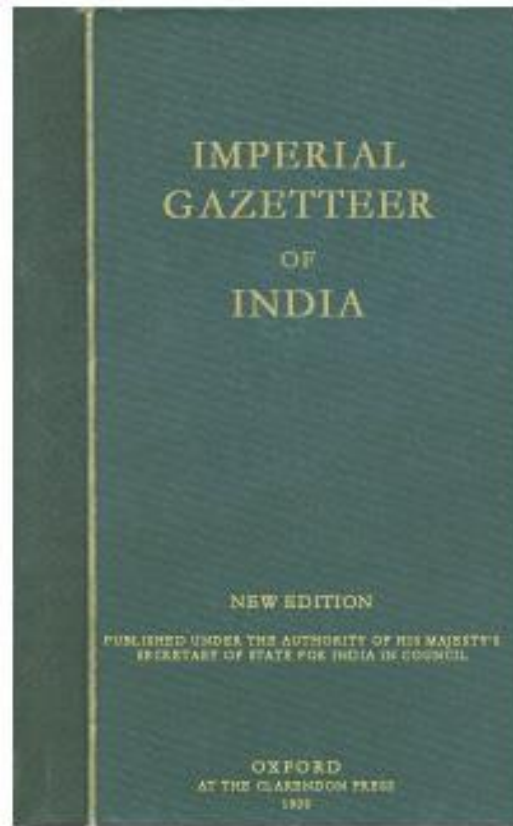
Mohizah M., Sang J. & Soh W.K. (2006). A Sarawak Gazetteer. Sarawak Forestry Department, Forest Research Institute Malaysia (FRIM), Malaysia. pp. 197.



Hamidah M., Chua L.S.L., Suhaida M., Yong W.S.Y. & Kiew R. (2011). Botanical gazetteer for Peninsular Malaysia, Issue/No. 131. Forest Research Institute Malaysia (FRIM), Malaysia. pp. 129.

GAZETTEER	COORDINATES	DISTRICT	STATE
Serting Ulu FR	2°53' N, 102°18' E	Jempol	Negeri Sembilan
Serting Ulu RF	2°55' N, 102°15' E	Jempol	Negeri Sembilan
Serting VJR, Cpt. 24	2°52' N, 102°14' E	Kuala Pilah	Negeri Sembilan
Serudom, G.	3°48' N, 103°00' E	Kuantan	Pahang

Country: India



Country: Singapore

S/No.	Original Locality Name	Standardised Locality Name	Remark(s)
320.	N. of Pierce Reservoir Catchment area	Central Catchment Nature Reserve, Peirce	Probably spelling error (Peirce)
321.	Near Peirce Reservoir	Central Catchment Nature Reserve, Peirce	
322.	North of Pierce Reservoir	Central Catchment Nature Reserve, Peirce	Probably spelling error (Peirce)
323.	Pierce Reservoir lake side	Central Catchment Nature Reserve, Peirce	Probably spelling error (Peirce)
324.	Pierce Reservoir open space	Central Catchment Nature Reserve, Peirce	Probably spelling error (Peirce)
325.	Sector 29, C23 R26	Central Catchment Nature Reserve, Peirce	Refer to Wong et al. (1994)
326.	Sector 29/37	Central Catchment Nature Reserve, Peirce	Refer to Wong et al. (1994)

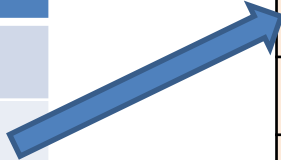


S/No.	Standard Locality Name	Synonym(s)	Longitude	Latitude
62.	CCNR, MacRitchie	Impounding Reservoir; MacRitchie Reservoir; Thomson Reservoir	103.82468	1.34640
63.	CCNR, Peirce		103.82058 103.79614	1.37522 1.37475
64.	CCNR, Upper Peirce		103.79604	1.37485
65.	CCNR, Upper Seletar	Seletar Reservoir; Upper Seletar Reservoir	103.79819	1.39400

Future work

METADATA Standards

<u>Field Name</u>	<u>Field Name</u>
Place name	ID
StandardID	Standard Name
Language	Language
PubYear	alternatenames
Remarks	Country
	State/Province
	County
	FeatureType
	Latitude
	Longitude
	Remarks




LOD(Link of Data) and Semantic

PELAGIOS API Home Datasets Places

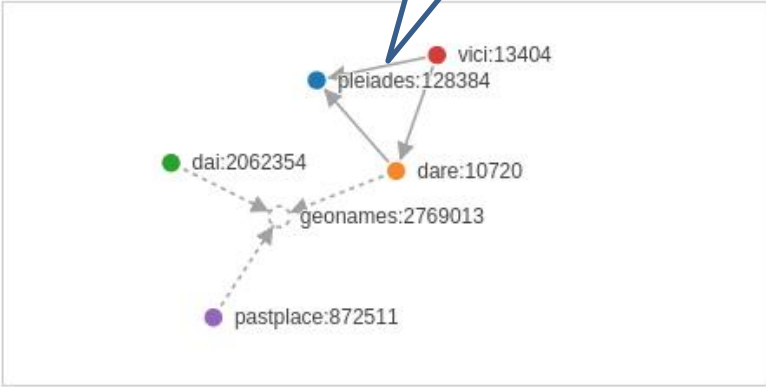
pleiades:128384

Col. Carnuntum

Col. Carnuntum, Col. Septimia Aurelia Antoniniana, Petronell AUS
An ancient place, cited: BATlas 13 B4 Col. Carnuntum
📍 LAT 48.1134 LON 16.868
<http://pleiades.stoa.org/places/128384>



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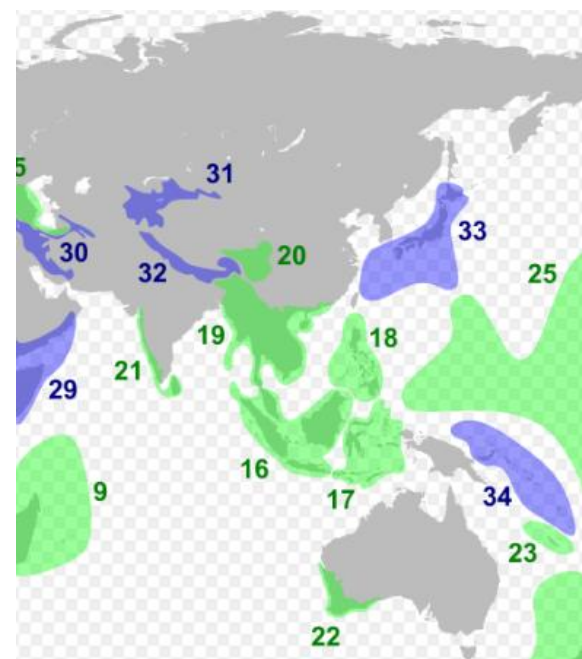
geogbif: 1234

Col. Carnuntum in Other Gazetteers

[dare:10720](#) [vici:13404](#) [dai:2062354](#) [pastplace:872511](#)

More products.....

- Dictionary , Gazetteer
- **National Historic Landmarks Program**
- Download file and API



Question??

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