The classification of Cosao: a Lolo-Burmese language of China and Laos

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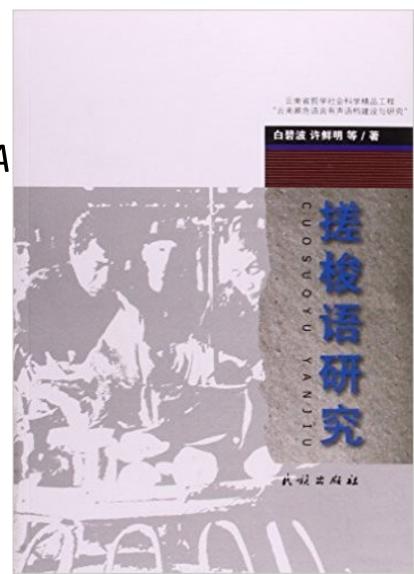
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Introduction

- Cosao is a Tibeto-Burman language (Southern Loloish branch) spoken in both Laos and China.
- Recently discovered and documented by Prof.
 Bai Bibo of the Yuxi Ethnic Research Institute in Yuxi, China
- Population: 550
- Autonym (self-designation): tsho55 so55

A study of Cosao (2015)

- Only published data and information on Cosao
- Bai Bibo [白碧波]. 2015. *A study of Cosao* [搓梭语研究]. Beijing: Ethnic Publishing House [民族出版社]. ISBN 9787105138913



Classifying Cosao

- Bai is unsure of Cosao's exact classification, and notes that it is not particularly close to Hani or Yi varieties in China.
- I entered Bai's Cosao data into my extensive Southern Loloish database, which revealed that Cosao belongs to the Sila cluster, and is especially close to Khir.
- Please note that while I have done fieldwork on several Southern Loloish languages myself, I have not done fieldwork on Cosao.

China

- There are 149 ethnic Cosao people living in the village of Man'gang 曼冈, Mengban Village 勐伴村, Mengban Town 勐伴镇, Mengla County, Yunnan Province, China (Bai 2015).
- Only Cosao village in China
- Referred to by other ethnic groups as the Paijiao people (排角人)

Location of Mengla County, China









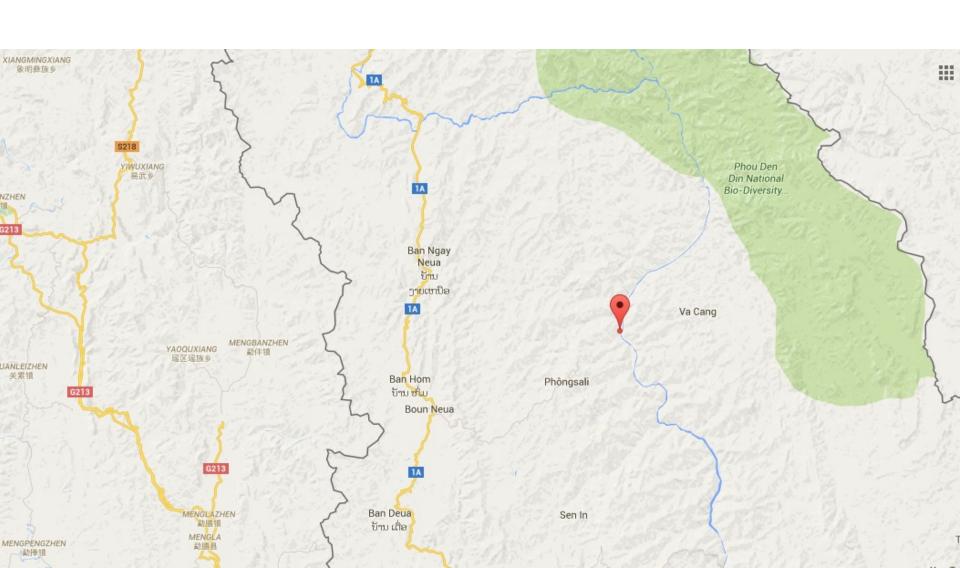




Laos

- In northern Laos, there are 400 ethnic Cosao people in 2 villages in Phongsaly Province, namely (unfortunately, with no Lao names given):
- Ban Nanli 板南里 (21°45′15″N 102°11′21″E)
- Ban Shalue 板沙略 in Boun Tay District 乌德县 (Bai 2015:2-3)
- Ban Nanli is the older village of the two, since Cosao residents of Ban Shalue report that their ancestors had migrated from Ban Nanli. The two villages are located about 20 kilometers apart from each other.

Location of Ban Nanli

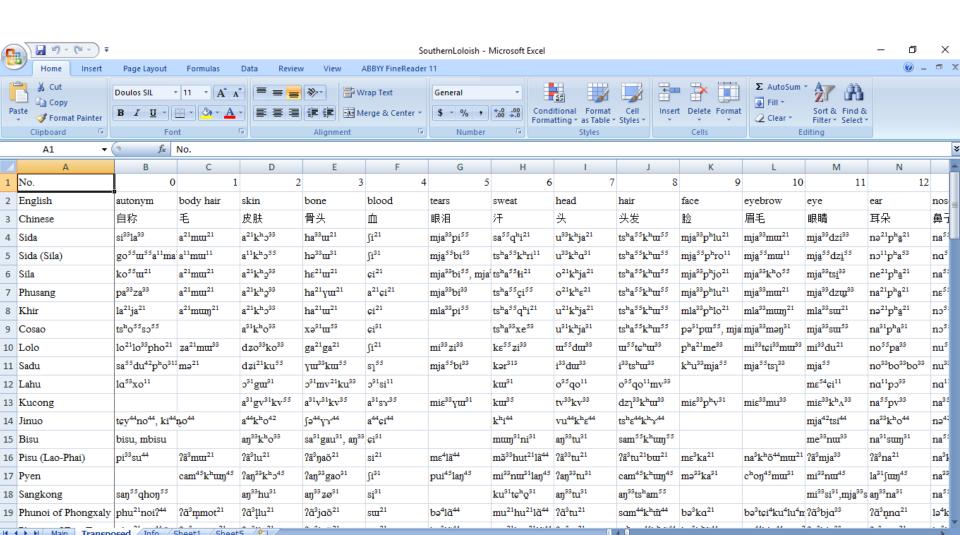


Data preparation

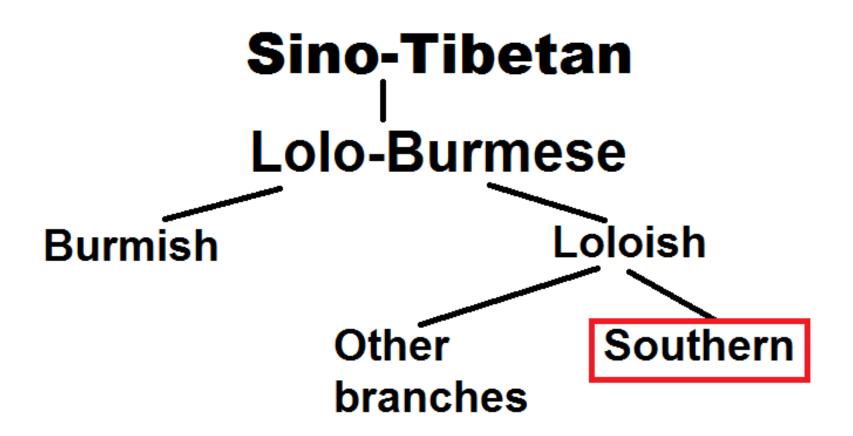
- This study was done as part of my large-scale Southern Loloish classification and basic vocabulary comparison project.
- Over 60 languages / sources, most of which are not on STEDT
 - (http://stedt.berkeley.edu/~stedt-cgi/rootcanal.pl).
- Over 300 lexical entries for each language

Southern Loloish lexical database

• Please feel free to contact me for the database.



Position of Southern Loloish

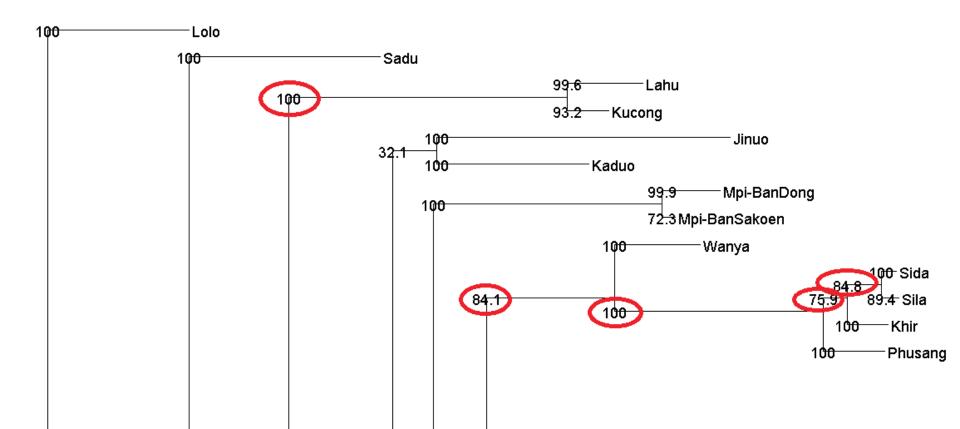


Computational phylogenetics

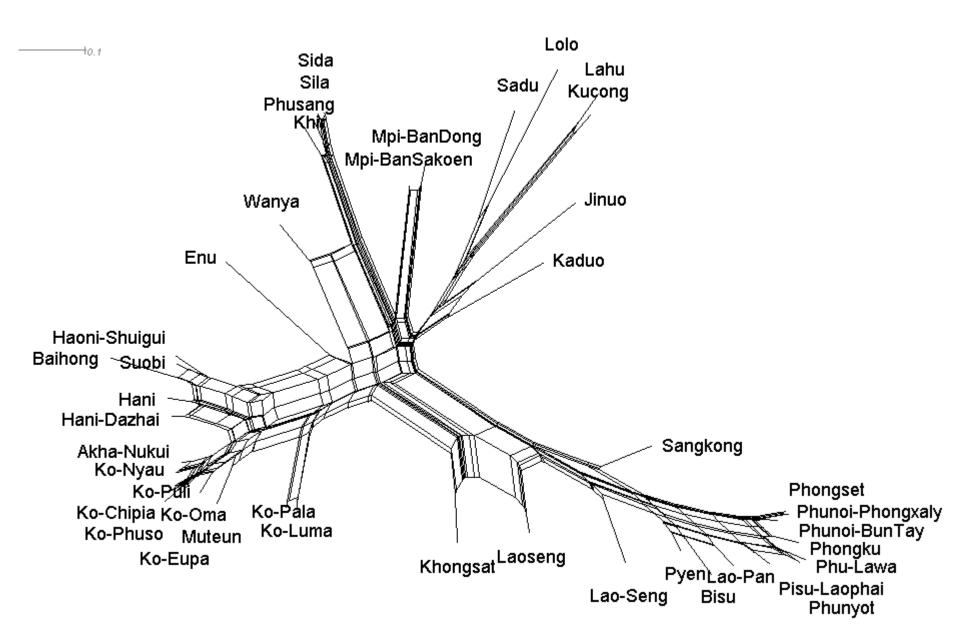
- SplitsTree 4.0 used to computationally generate phylogenetic networks and trees.
- NJ (Neighbor-joining) algorithm used for trees.
- NeighborNet used for networks (star diagrams).
- Mostly based on lexical isoglosses.
- 43 taxa (Cosao is not included; its position would be nearly identical as that of Khir)
- About 100 words selected

Sila cluster tree

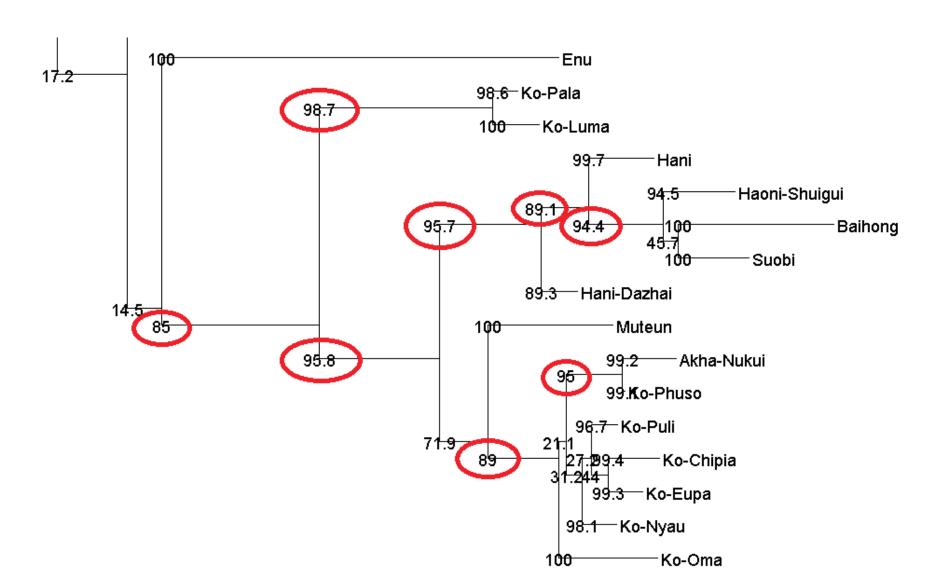
- Sila/Sida, Khir, Cosao, and Phusang form a subgroup.
- Wanya is an outlier



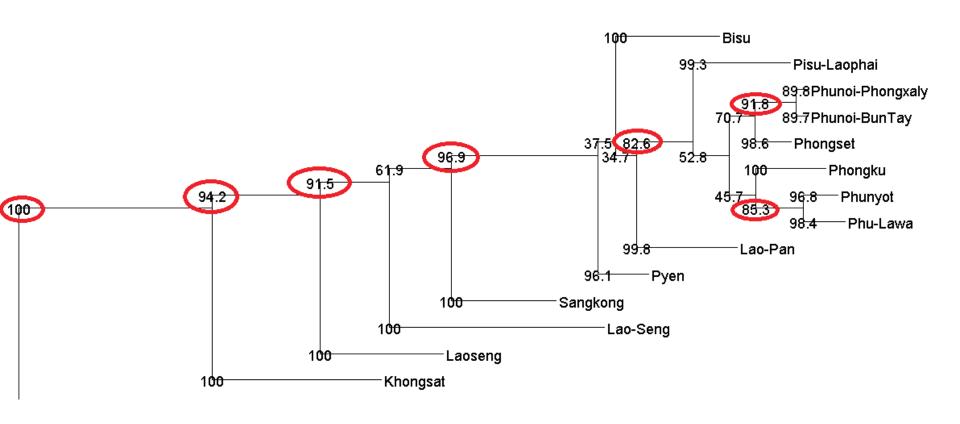
Southern Loloish network



Akha cluster tree



Bisoid cluster tree



Related languages of Laos

- Phusang [pa33 za33]:: Phusangkao village, Samphan District, Phongsaly Province; Kato (2008)
- **Khir** [la21 ja21]: Kang village, Nyot U District, Phongsaly Province; Kato (2008)
- Sida (Sila) [go55 w55 a11 ma11]: Chaohoi village, Nyot U District; Phongsai village, Bun Neua District, Phongsaly Province; Kingsada (1999)
- **Sida** [si33 la33]: Longthang village, Nyot U District; Sida village, Luang Namtha District, Luang Namtha province; Shintani (2001)
- **Sila** [ko55 w21]: Namsing village, Nyot U District, Phongsaly Province; Kato (2008)
- Wanyä (Muchi) [wa11 nə11]: Ipoeching village, Bun Tay District; Phongsaly Province; Shintani (2001)

The Sila are also found in Vietnam

- Sila is also spoken in:
- Seo Hay, Can Hồ Commune, Lai Châu Province,
 Vietnam
- Xì Theo Chai, Can Hồ Commune, Lai Châu Province,
 Vietnam
- Nậm Sín, Mường Nhé Commune, Điện Biên Province,
 Vietnam
- 7 Sila families had emigrated from Mường U and Mường Lá of Phongsaly Province, Laos 175 years ago. They initially arrived at a location called Mường Tùng, and relocated several times before arriving at their present locations.

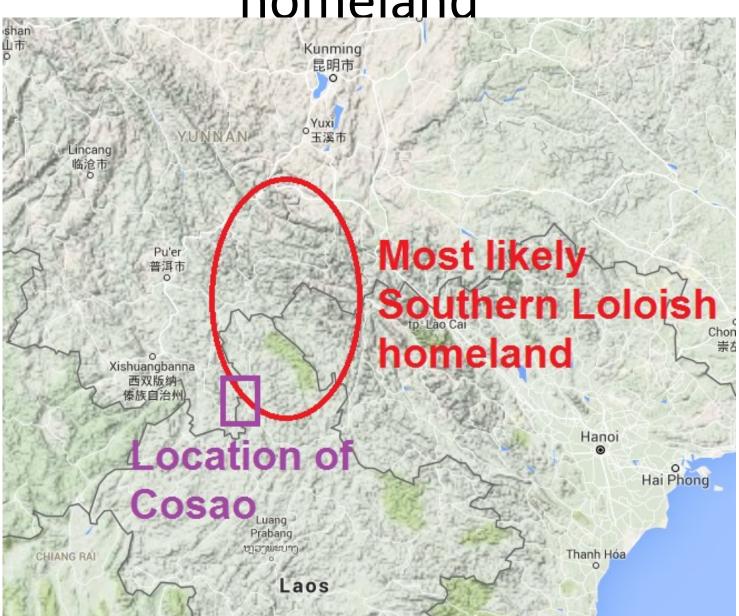
Proposed homeland (Sila cluster)

- Phongsaly Province, Laos has the most diversity.
- Some Sila migrated to Vietnam.
- Cosao split off from Proto-Khir-Cosao and migrated over to what is now the Chinese border.

Proposed homeland of Southern Loloish

- Most Southern Loloish diversity in: Mojiang County, China; Jiangcheng County, China; Jinping County, China; Phongsaly Province, Laos
- Dozens of varieties named but still not properly documented by linguists yet, especially in China.
- Many varieties in Laos documented by 300word lists by Kingsada (1999), Shintani (2001), and Kato (2008)

Cosao vs. Southern Loloish homeland



Cosao and Khir

- Khir preserves some initial labial-lateral clusters (e.g., eye, horse, bee) that are rarely found in Lolo-Burmese, and crucial for Proto-Lolo-Burmese reconstruction.
- 1. Khir Cl-: Cosao Cj-
- 2. Khir -ŋ: Cosao -m
- In both cases, Khir is more conservative and closer to Proto-Lolo-Burmese.
- Many Lolo-Burmese languages do not have (1) and (2).

Cosao and Khir

- Deaffrication: ts-, dz- > s-
- Vowel correspondences

Cosao and Khir, but not Sila, etc.

Gloss	Cosao	Khir	Phusang	Hani
head	u ³¹ khja ³¹	u ²¹ k ^h ja ²¹	$o^{21}k^h\epsilon^{21}$	$u^{21}tu^{21}$
eye	mja ³³ sw ⁵³	mla ³³ sw ²¹	mja ³³ dz <u>u</u>	ma ³³ n <u>w</u> ³³
to run	tshu ⁵³	tsho ²¹	se ³³	khi ³³
sky	nε ³¹ k ^h u ⁵³	nε ²¹ kho ²¹	o ²¹ th <u>a</u> ²¹	\tilde{o}^{21}
star	əŋ³¹ki⁵⁵	աŋ²¹ki ⁵⁵	u ²¹ ki ⁵⁵	a ²¹ kw ⁵⁵

Gloss	Cosao	Khir	Phusang	Hani
rain	i ³¹ tha ⁵³	wŋ²¹tha²¹	mo ⁵⁵	o ²¹ je ⁵⁵
stone	lo ³³ phau ³³	lo ³³ phou ³³	la ³³ phu ³³	$xa^{21}lu^{33}$
house	tso ⁵⁵	tso ⁵⁵	ja ²¹ tɕ ^h y ⁵⁵	la ²¹ xo ⁵⁵
horse	mjom ⁵³	mluŋ ²¹	mju ²¹	a^{21} mo 21
flower	a ³¹ ze ³³	a ²¹ zε ³³	a ²¹ v <u>y</u> ³³	$a^{55}j\underline{e}^{33}$

Gloss	Cosao	Khir	Phusang	Hani
tea	la ³¹ a ³³	la ²¹ a ³³	a ²¹ p ^h ε ⁵⁵	$l\underline{a}^{21}k^{h}e^{55}$
song	i ⁵⁵ la ³³	i ⁵⁵ la ³³	a ²¹ khy ²¹	ts ^h ã ⁵⁵
drunk	pjo ⁵³	blo ²¹	pō ₃₃	he ²¹
old (age)	mom ³¹	muŋ ²¹	za ²¹ mu ²¹	mo^{21}
month	lə ³³	bə ³³ lə ³³	bɔ ³³ lɔ ³³	ba ³³ ła ³³

Further research

- More documentation of lexicons of Southern Loloish languages in Laos beyond the basic 300-word list by Shintani, et. al.
- In Vietnam: More lexical documentation beyond the few hundred words recorded and preliminarily transcribed by Jerold Edmondson.
- In China: Many dozens of undocumented Loloish language varieties without word lists.

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References

- Bai Bibo [白碧波]. 2015. A study of Cosao [搓梭语研究]. Beijing: Ethnic Publishing House [民族出版社]. ISBN 9787105138913
- Bai Bibo [白碧波]. 2015b. Documentation of endangered Cosao "green codes" in Yunnan, China. Presentation given at the 4th International Conference on Language Documentation and Conservation (ICLDC), Honolulu, Hawaii.
- Bradley, David. 1979. Proto-Loloish. London: Curzon Press.
- Bradley, David. 1997. "Tibeto-Burman languages and classification". In Tibeto-Burman languages of the Himalayas, Papers in South East Asian linguistics. Canberra: Pacific Linguistics.
- Kato, Takashi. 2008. Linguistic Survey of Tibeto-Burman languages in Lao P.D.R. Tokyo: Institute for the Study of Languages and Cultures of Asia and Africa (ILCAA).

References

- Kingsadā, Thongphet, and Tadahiko Shintani. 1999. Basic Vocabularies of the Languages Spoken in Phongxaly, Lao P.D.R. Tokyo: Institute for the Study of Languages and Cultures of Asia and Africa (ILCAA).
- Lama, Ziwo Qiu-Fuyuan. 2012. Subgrouping of Nisoic (Yi) Languages. Ph.D. dissertation, University of Texas at Arlington.
- Matisoff, James. 2003. Handbook of Proto-Tibeto-Burman: System and Philosophy of Sino-Tibetan Reconstruction. University of California publications in linguistics, v. 135. Berkeley: University of California Press. ISBN 978-0-520-09843-5.
- Shintani, Tadahiko, Ryuichi Kosaka, and Takashi Kato. 2001. Linguistic Survey of Phongxaly, Lao P.D.R. Tokyo: Institute for the Study of Languages and Cultures of Asia and Africa (ILCAA).
- Yunnan Province Geography Gazetteer Committee [云南省地方志编纂委员会]. 1998. Yunnan Province Gazetteer, volume 59: ethnic minority languages and orthographies gazetteer [云南省志卷 59: 少数民族语言文字志]. Kunming: Yunnan People's Press [云南人民出版社].

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Comments and questions?