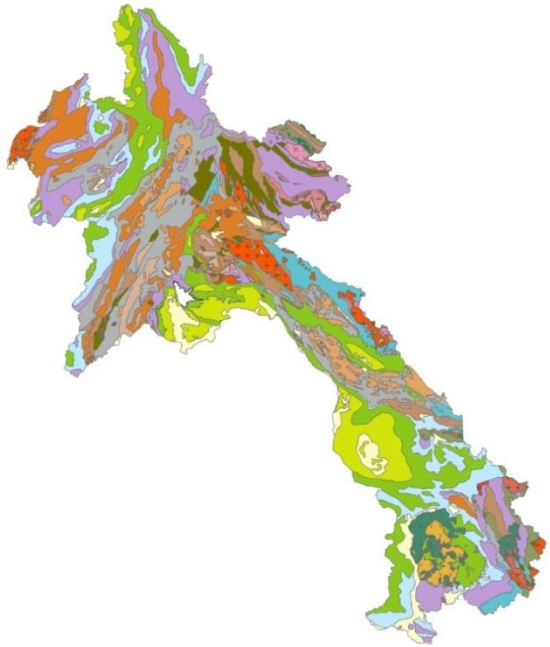
Cross-border Collaboration on Geology and Mineral Resources of Cambodia-Lao PDR-Myanmar-Thailand-Vietnam

(CLMTV)



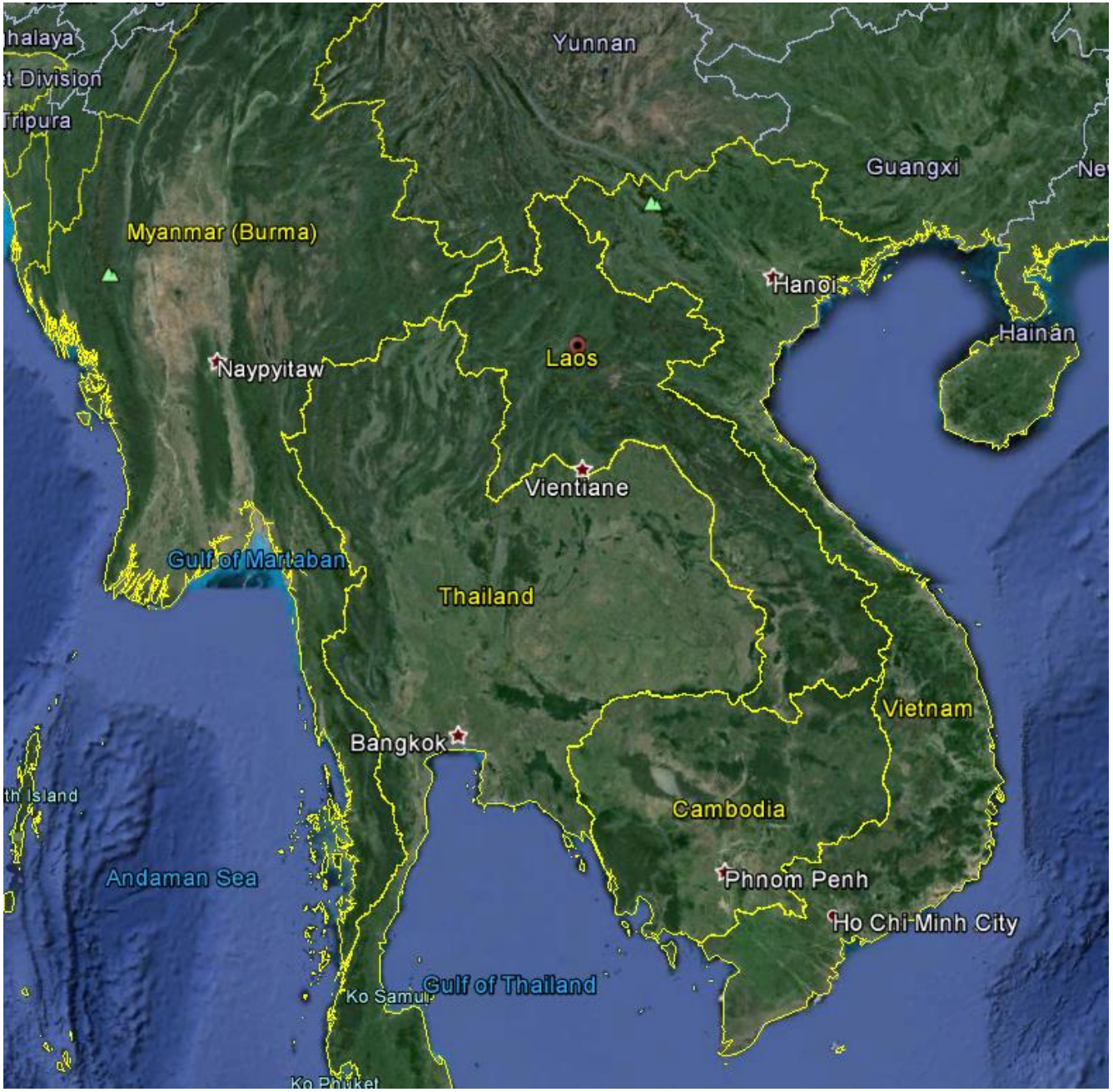
By: Mr. Kuangnuvong TELPVONGSA (DGM).
Knv9222@yahoo.com

Chiangrai, Thailand
Date 20 – 24 / 5 / 2016

Bordered:

5 Countries CLMTV

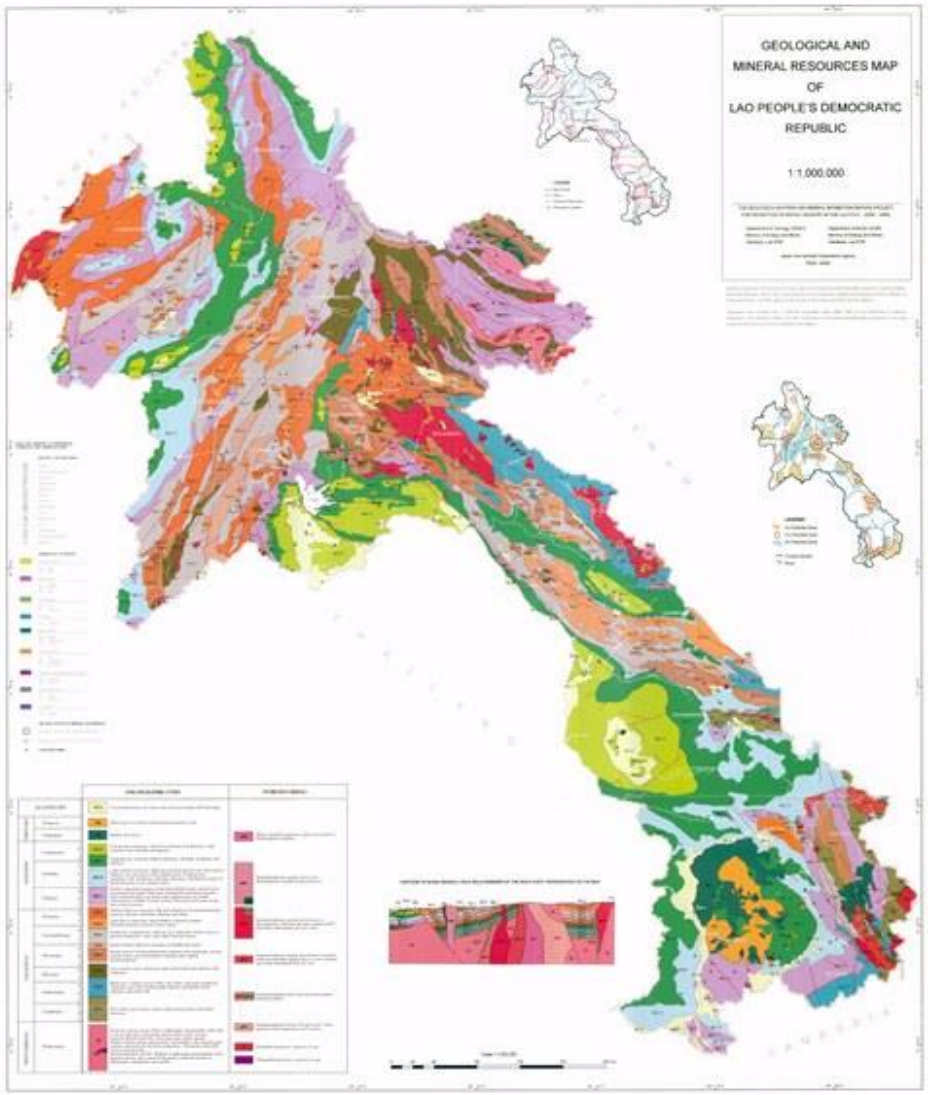
- Cambodia
- Lao PDR
- Myanmar
- Thailand
- VietNam



I. Geological and Mineral Resources Map of Lao PDR by JICA

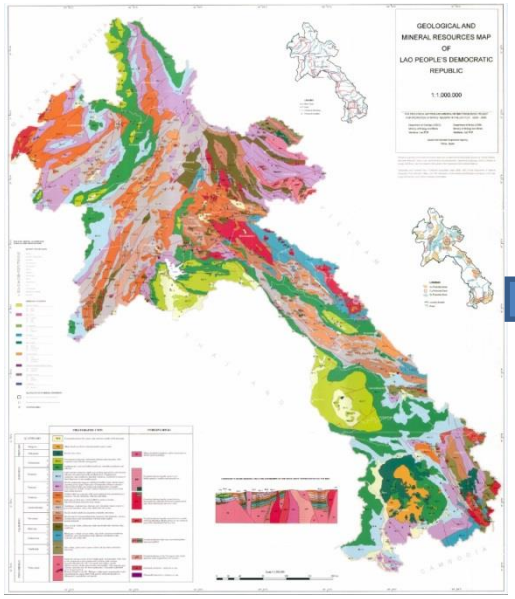
- Geological and Mineral resources map scale 1: 1000 000 is recently recompiled with some modification new version by Japan International Cooperation Agency (JICA) Second publication was in 2006 - 2008.

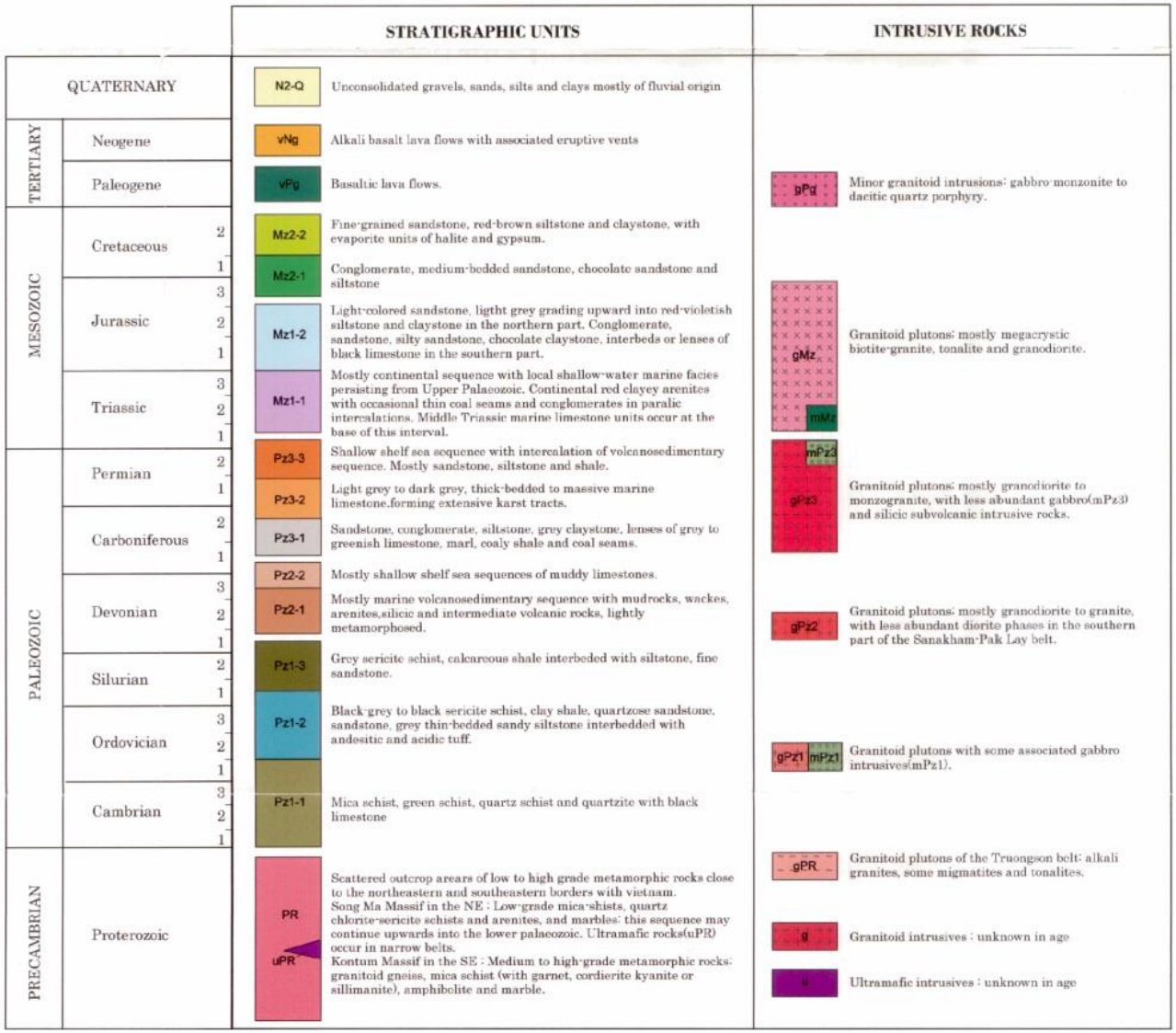
Scale: 1: 1000.000



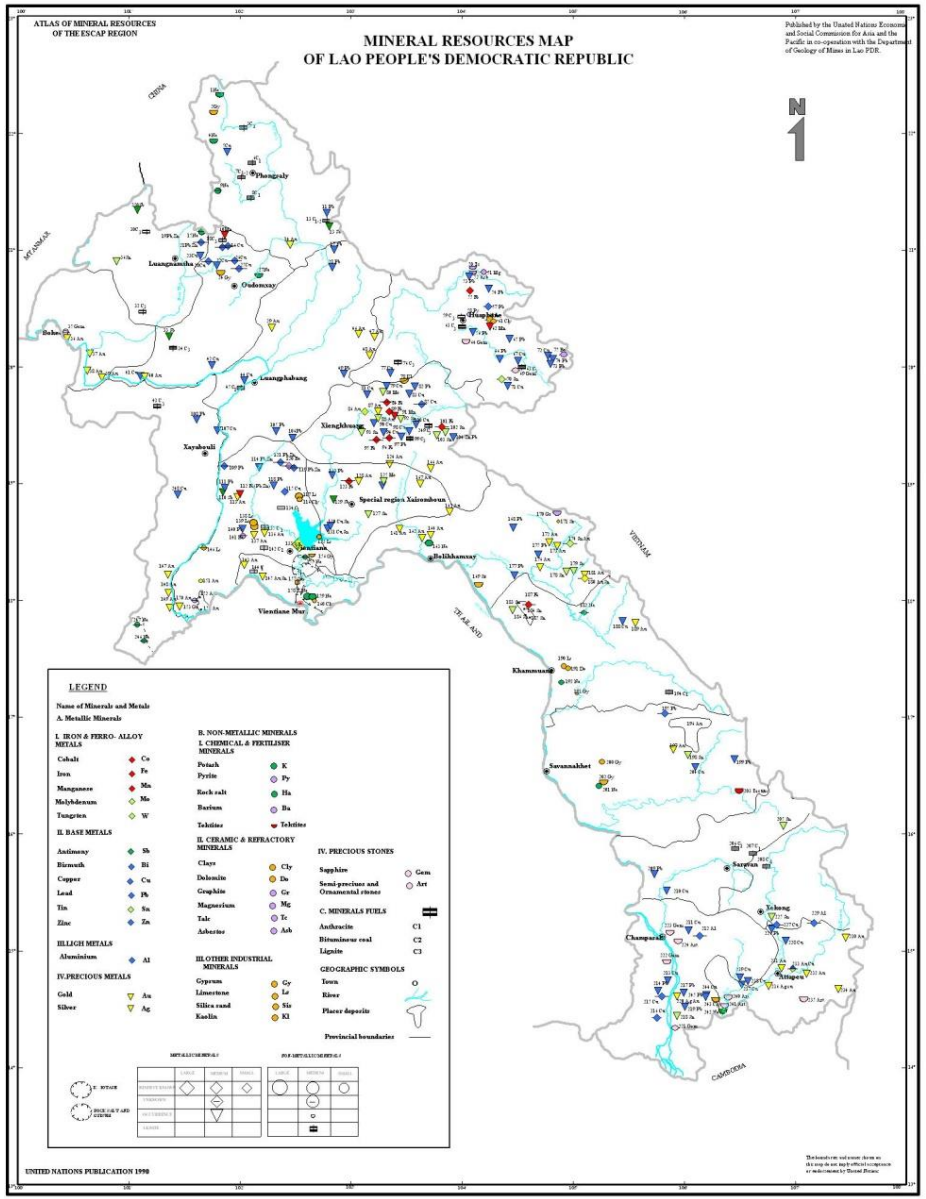
Regional Stratigraphy

Regional stratigraphy of Lao PDR was described as the following sequence from the Precambrian to Quaternary.





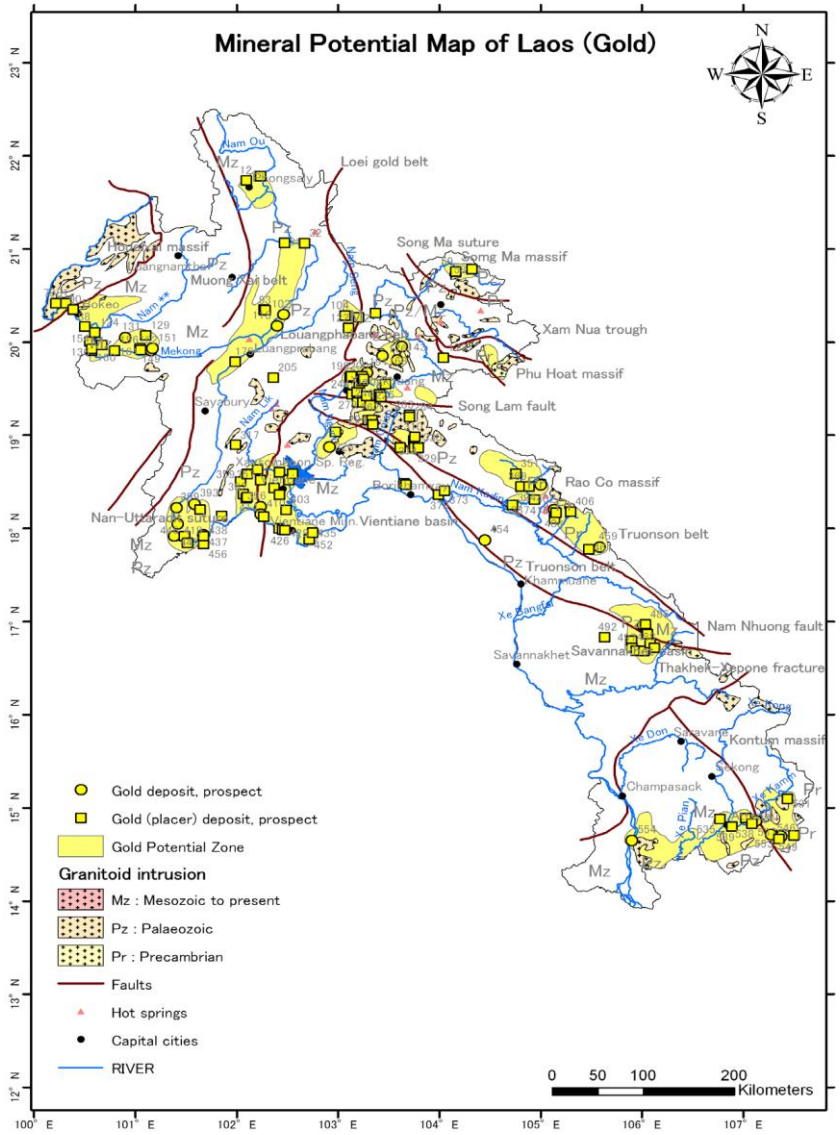
II. Mineral Resources.



Mineral resources map 1:1,500,000 publishing by ESCAP 1990

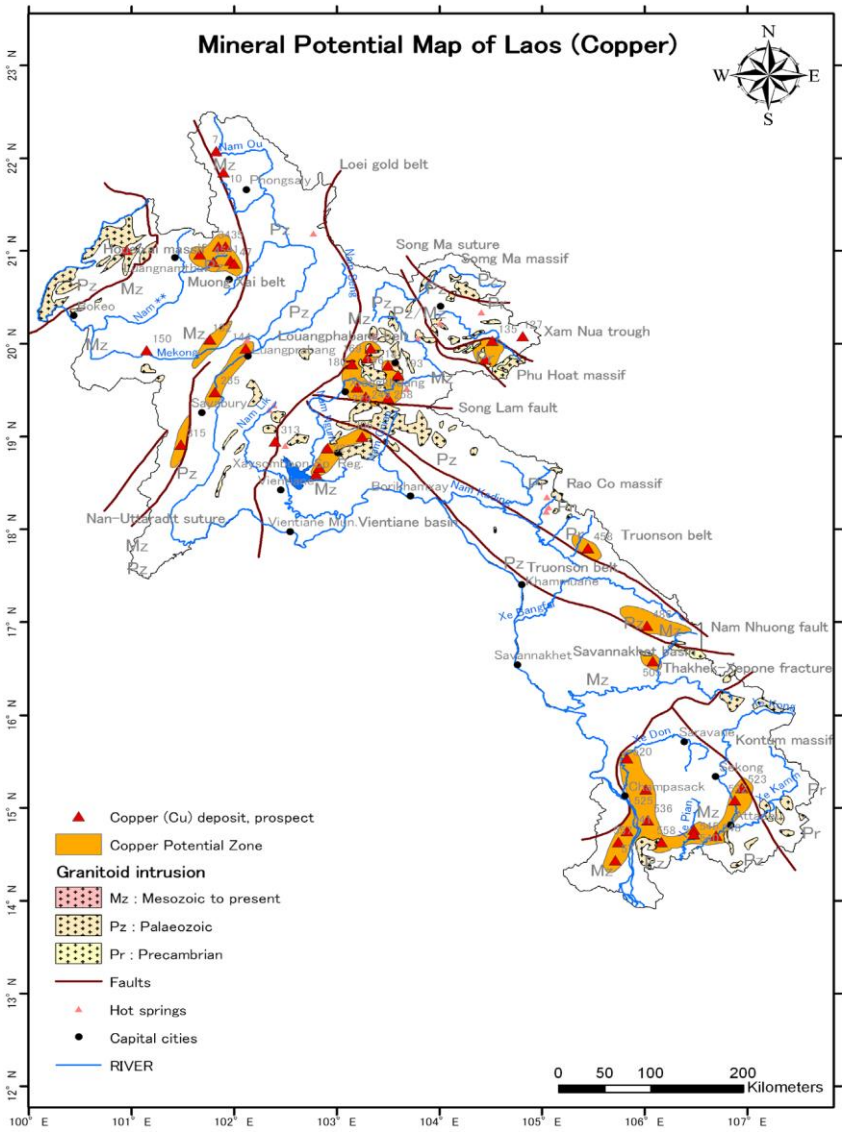
- 250 minerals deposits and occurrences

1. Gold Potential



- Gold potential zones are mostly present around Late Paleozoic granite, near and along tectonic lines trending NE-SW and NW-SE. Numerous epithermal and placer gold deposits occur along rivers.
- Sepon gold deposit in Savannakhet province: Carline type, gold minerali- zation occurs as disseminations in Devonian to Carboniferous highly altered calcareous sedimentary rocks.
- Phu Bia gold/copper deposit in Vientiane province: primary porphyry deposit comprising sericite – altered feldspar intruded into calcareous sediments.
- And in around country.

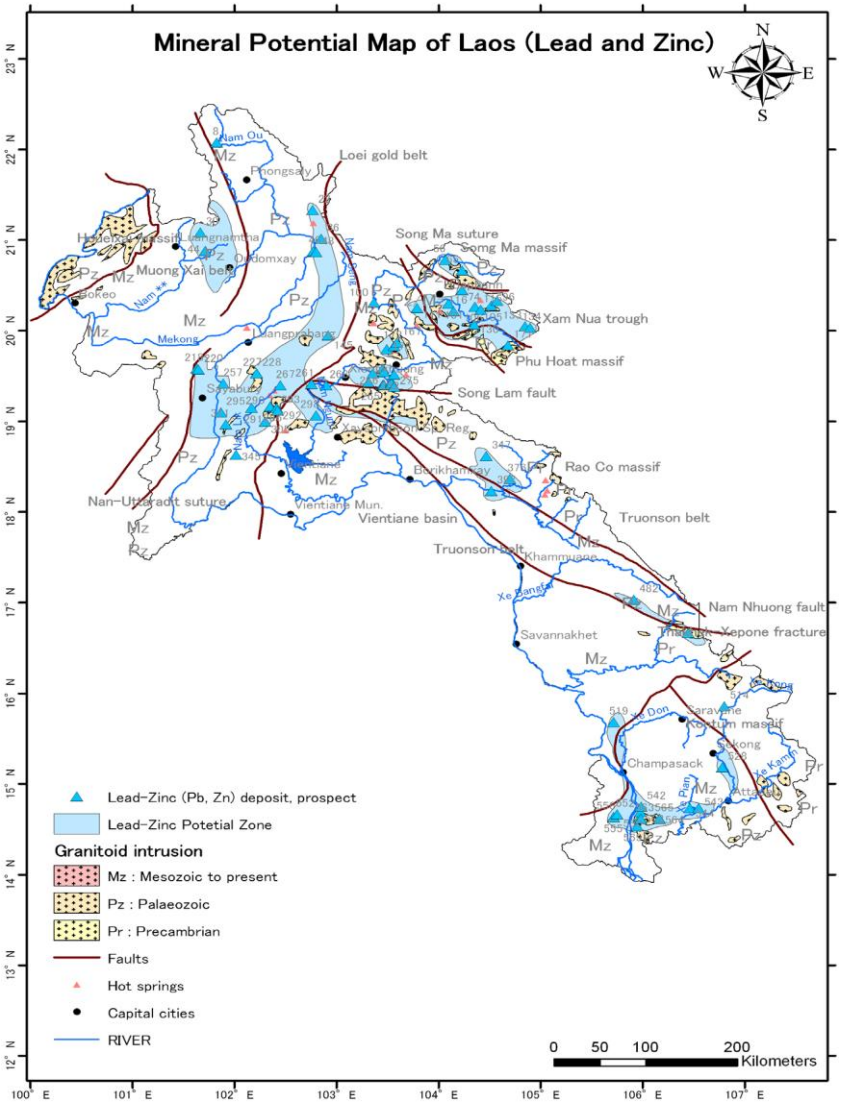
2. Copper Potential



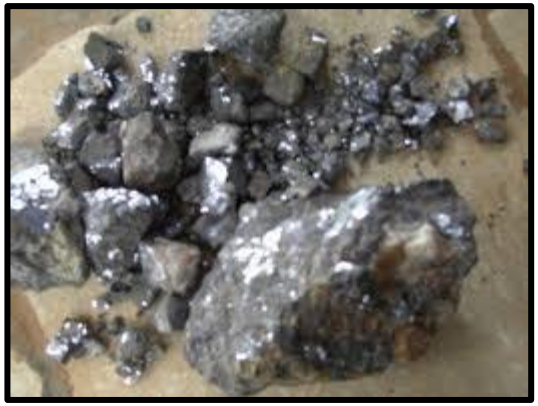
- Copper deposits and occurrences are mostly located in Phongsaly, Louang namtha, Oudomxay, Xiengkhouang and Savannakhet province.
- 2 types of copper mineralization: porphyry gold copper deposit forming quartz stockwork in granitic rocks and copper skarn deposit formed around country rocks.

MMG
ລ້ານຊ້ຽງ ມິເນໂຣນ ລີມິເຕັດ
LXML SEPON

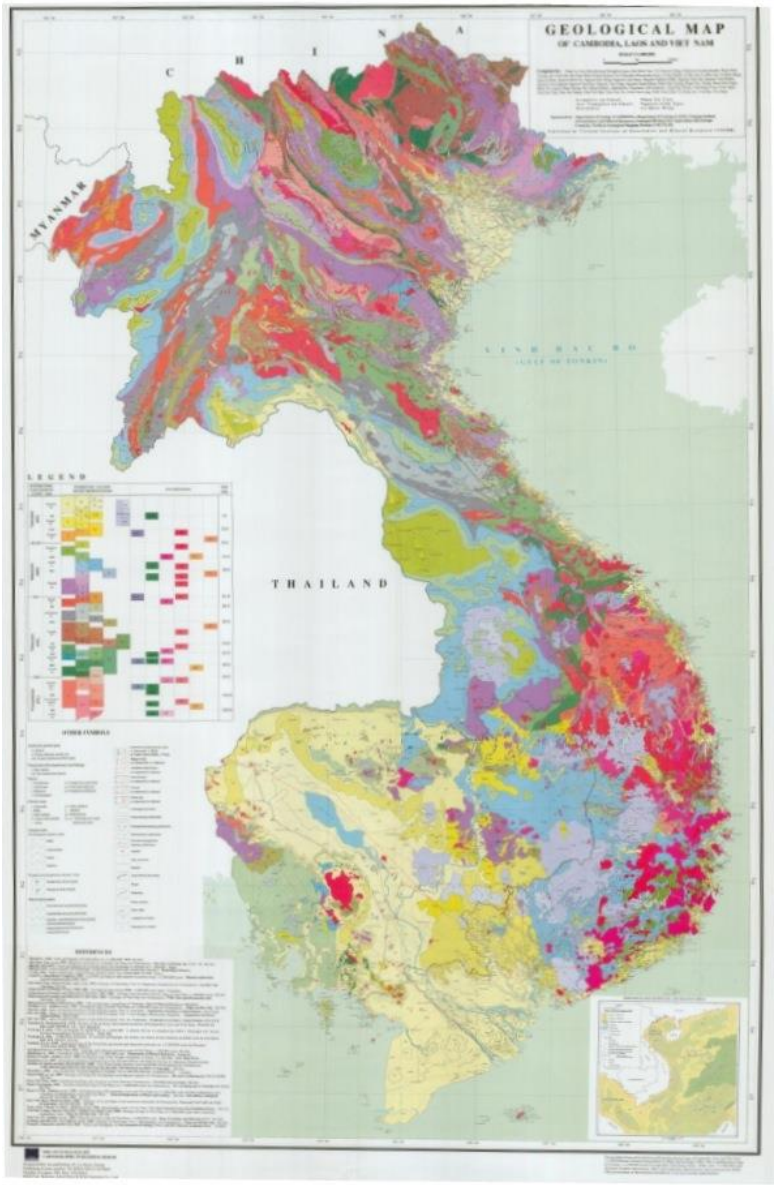
3. Lead and Zinc Potential



- Numerous lead/zinc deposits and occurrences are distributed in Loei fold belt (Vientiane & Louangprabang) and north of Indosinian fold belt (Xieng-khouang & Houaphan).
- They are divided into skarn type and Mississipi valley type.



Geological Map of Laos - Vietnam – Cambodia
1:1,500,000



- The geological map of the three countries is recently recompiled with some modification.
- The modified new version is published in October 2009 scale 1:1.500.000.

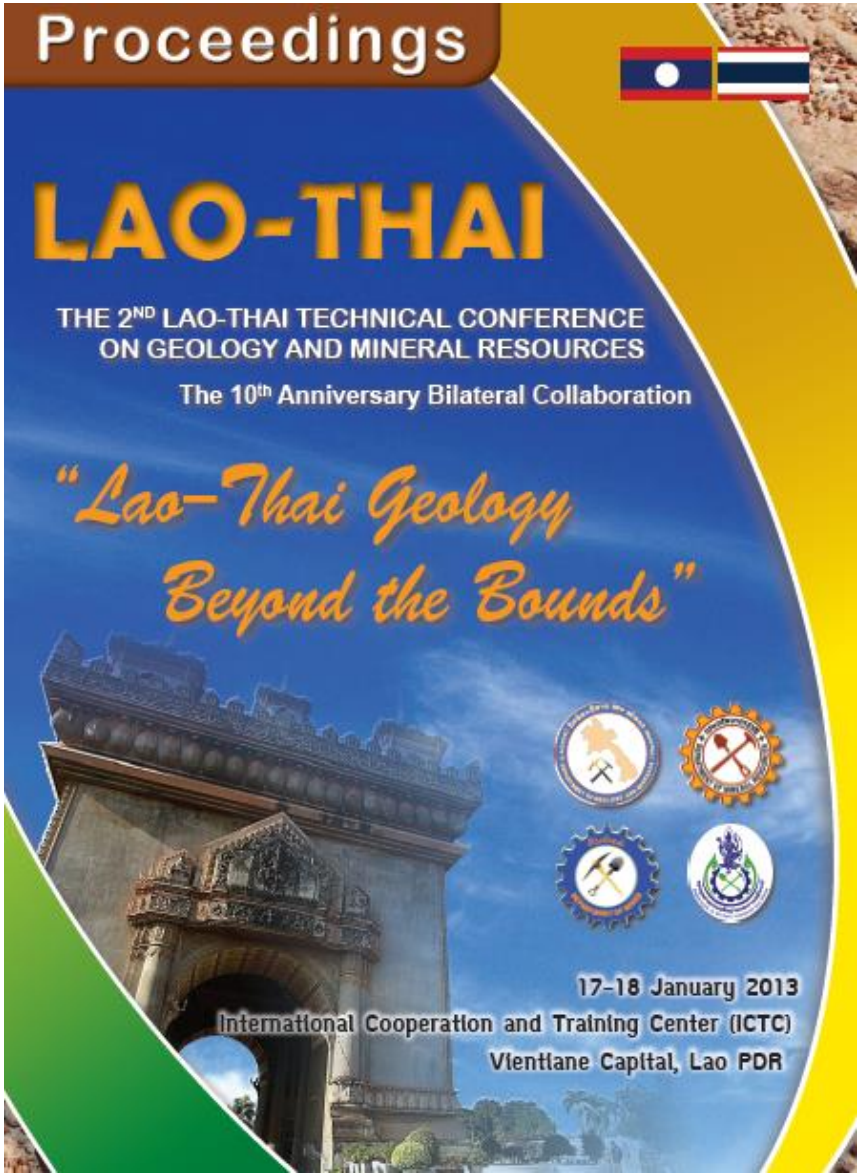
LAO PDR - THAILAND

Lao – Thai Project Geological Maps Scale: 1: 200,000

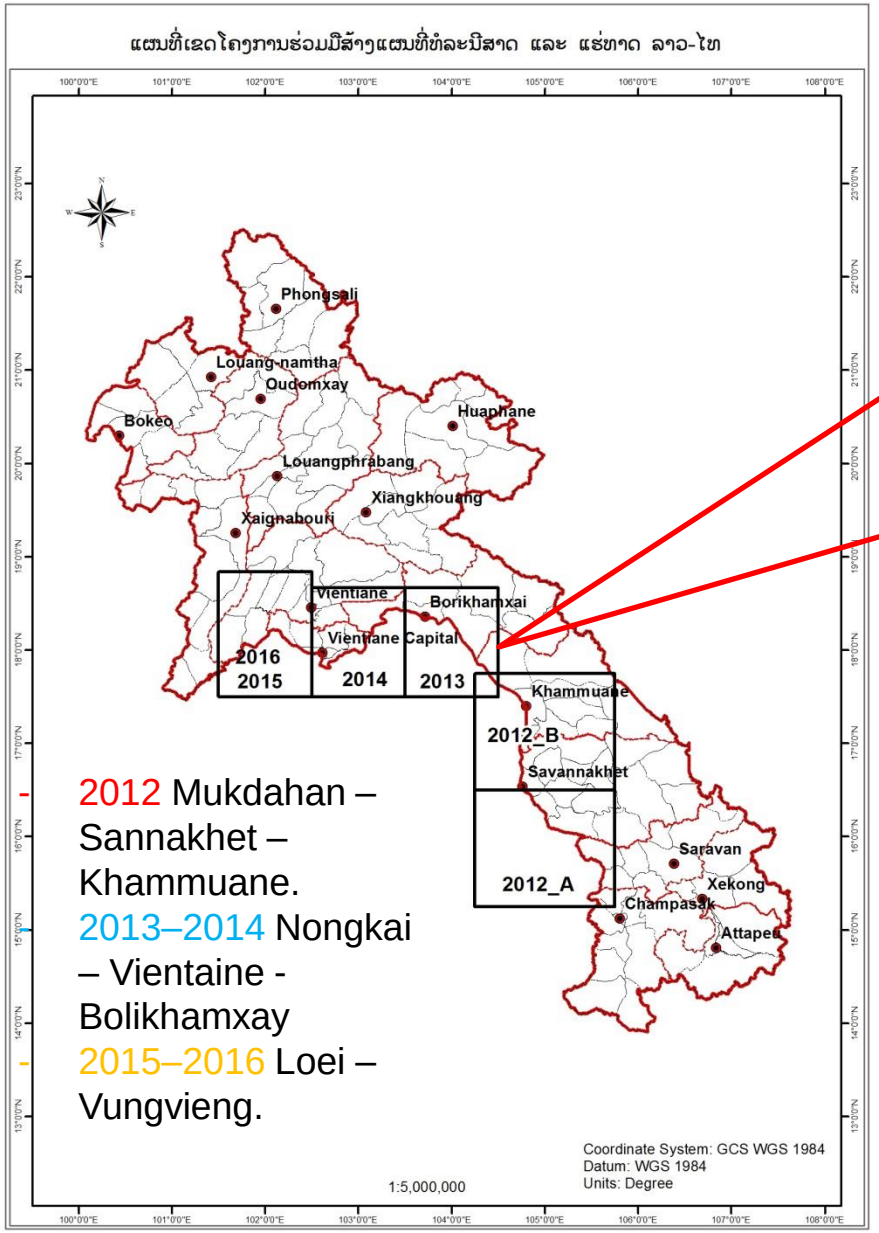
Lao-Thai technical conference on geology and mineral resources
Lao-Thai cooperation project

Status of Seamless Geological Mapping at Thai-Laos border Area

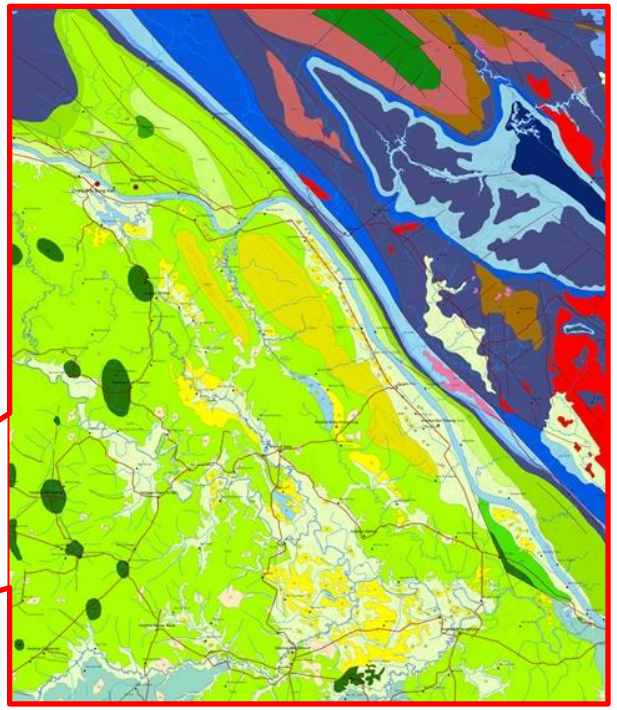
- Working under agreed MOU
-Team of Geologist from both Laos and Thai

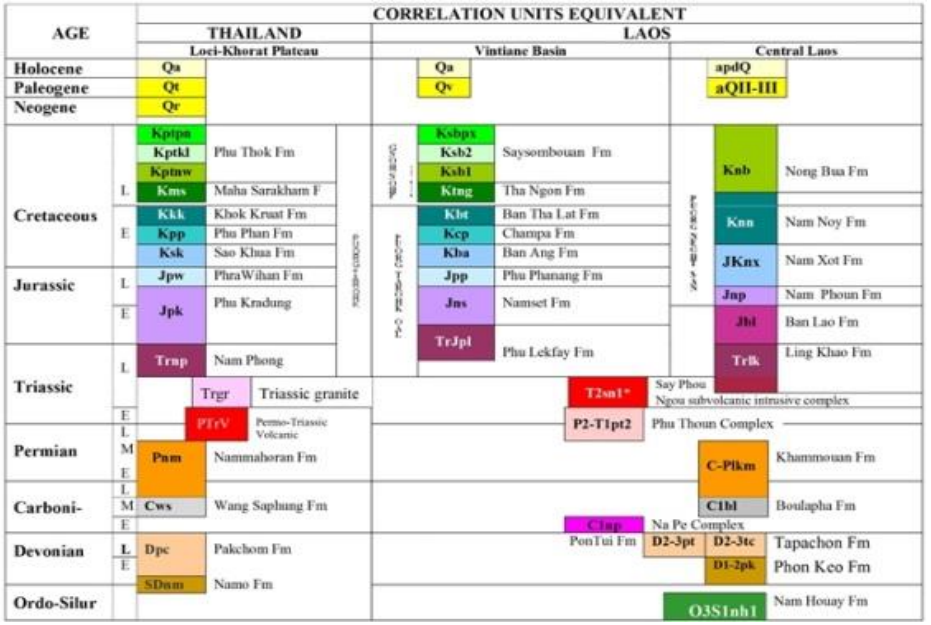


Lao – Thai Project Areas

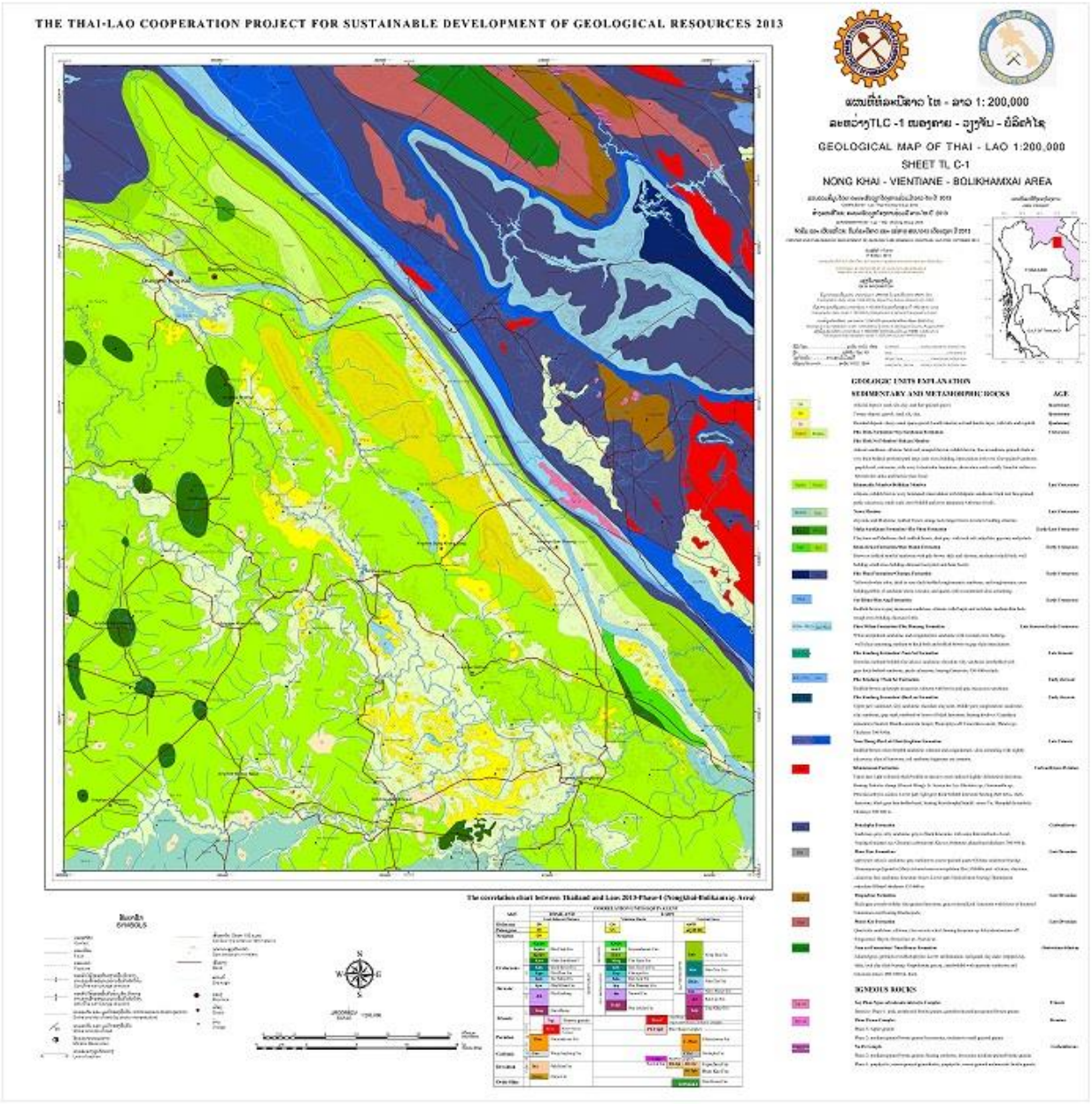


- 2012 Mukdahan – Sannakhet – Khammuane.
- 2013–2014 Nongkai – Vientaine - Bolikhamxay
- 2015–2016 Loei – Vungvieng.





Lao – Thai Project Geological Maps Scale: 1: 200,000



III. Cross-border

Cross-border Collaboration on Geology and Mineral Resources

CLMTV

CAMBODIA

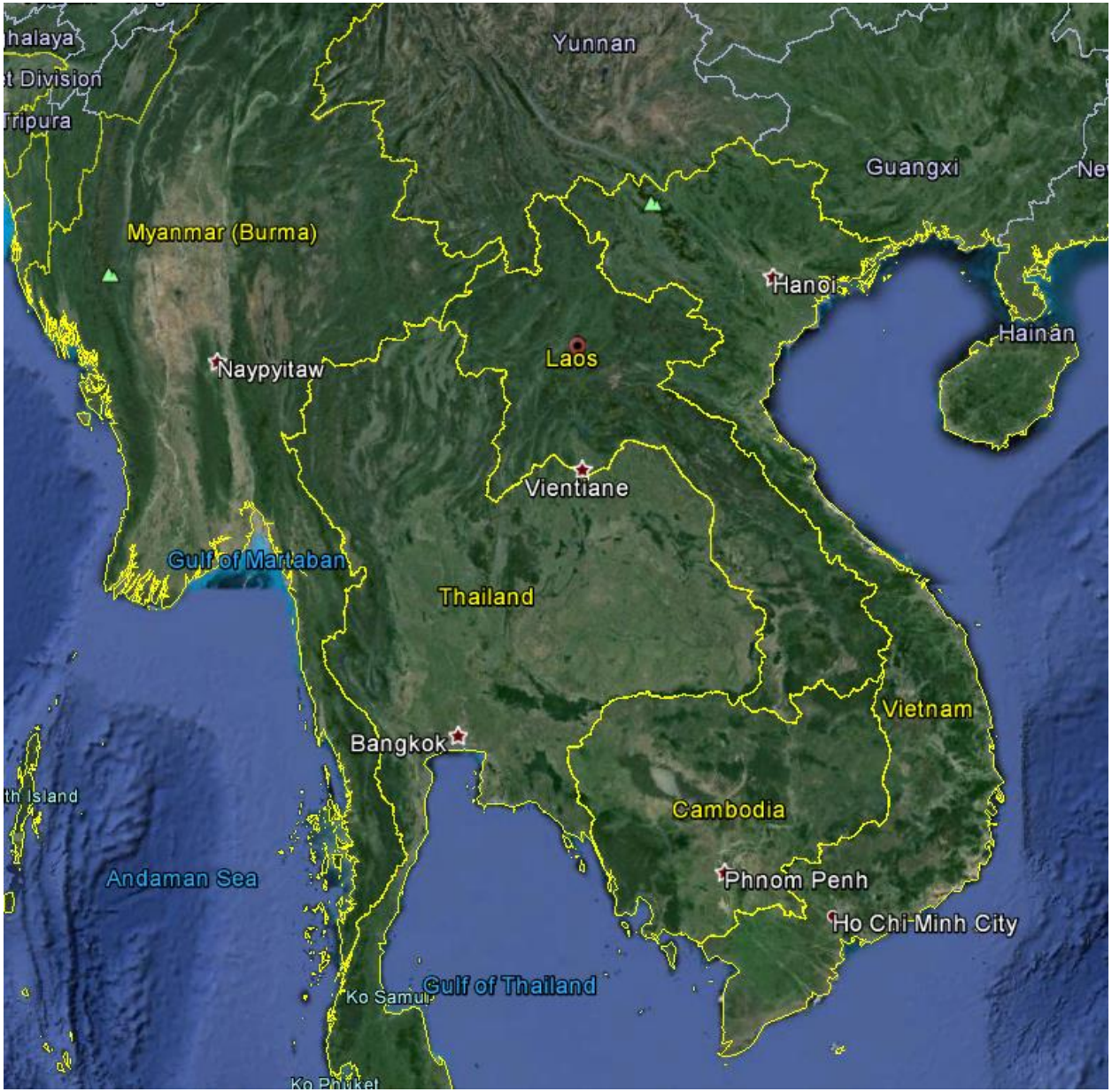
LAO PDR

MYANMAR

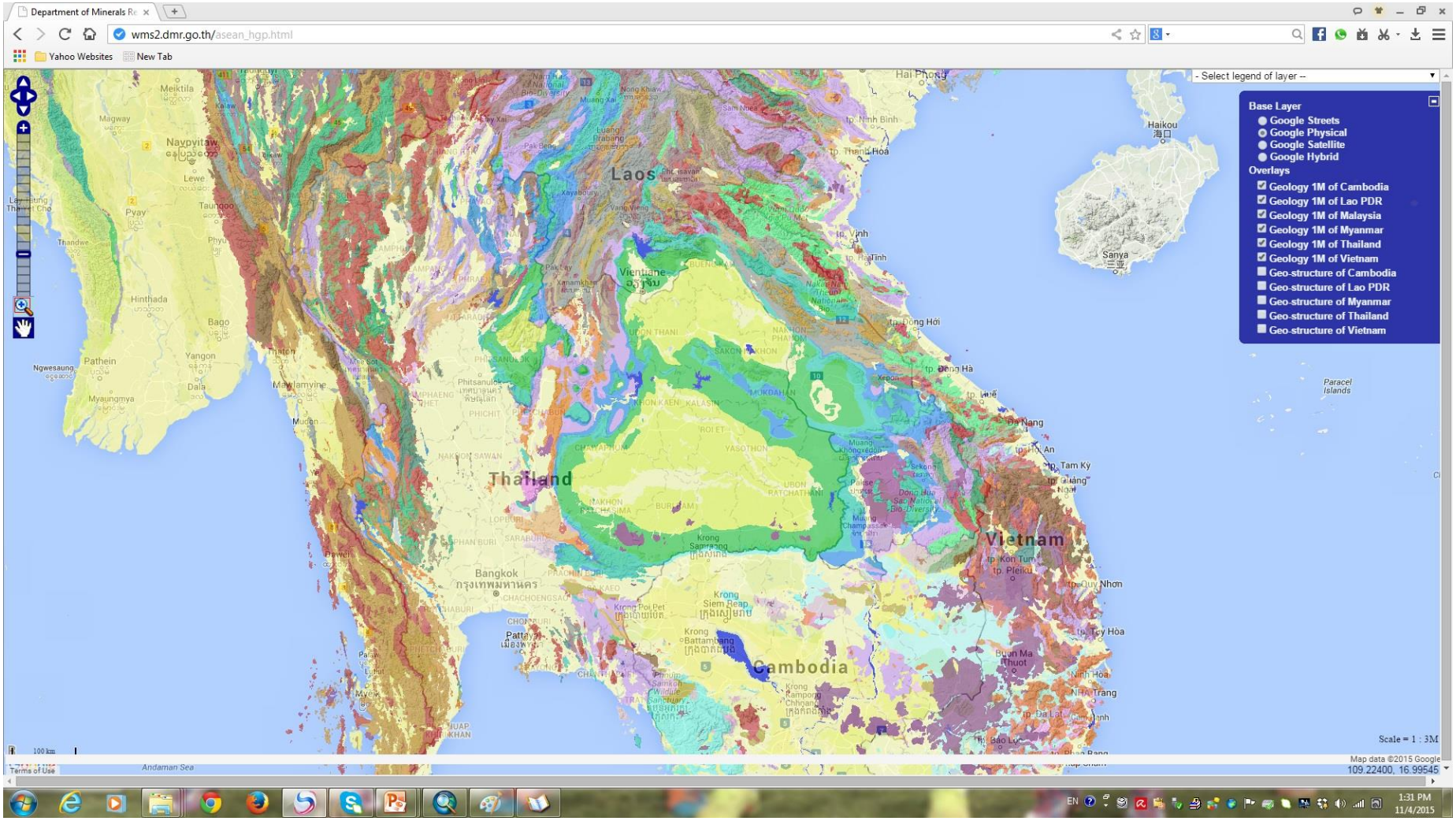
THAILAND

VIETNAM

CAMBODIA – LAO PDR - MYANMAR – THAILAND - VIETNAM

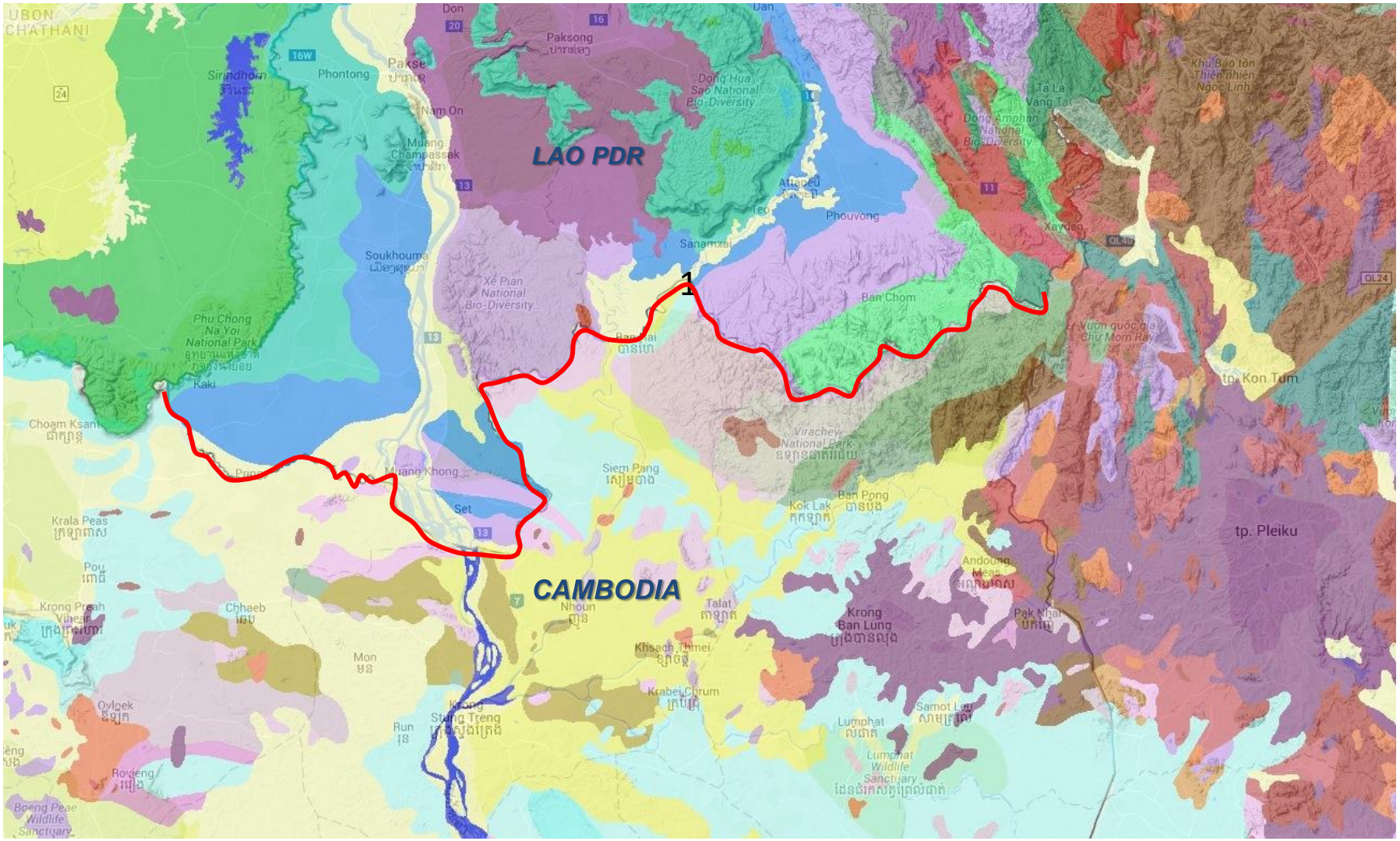


Geological of Asean by CCOP

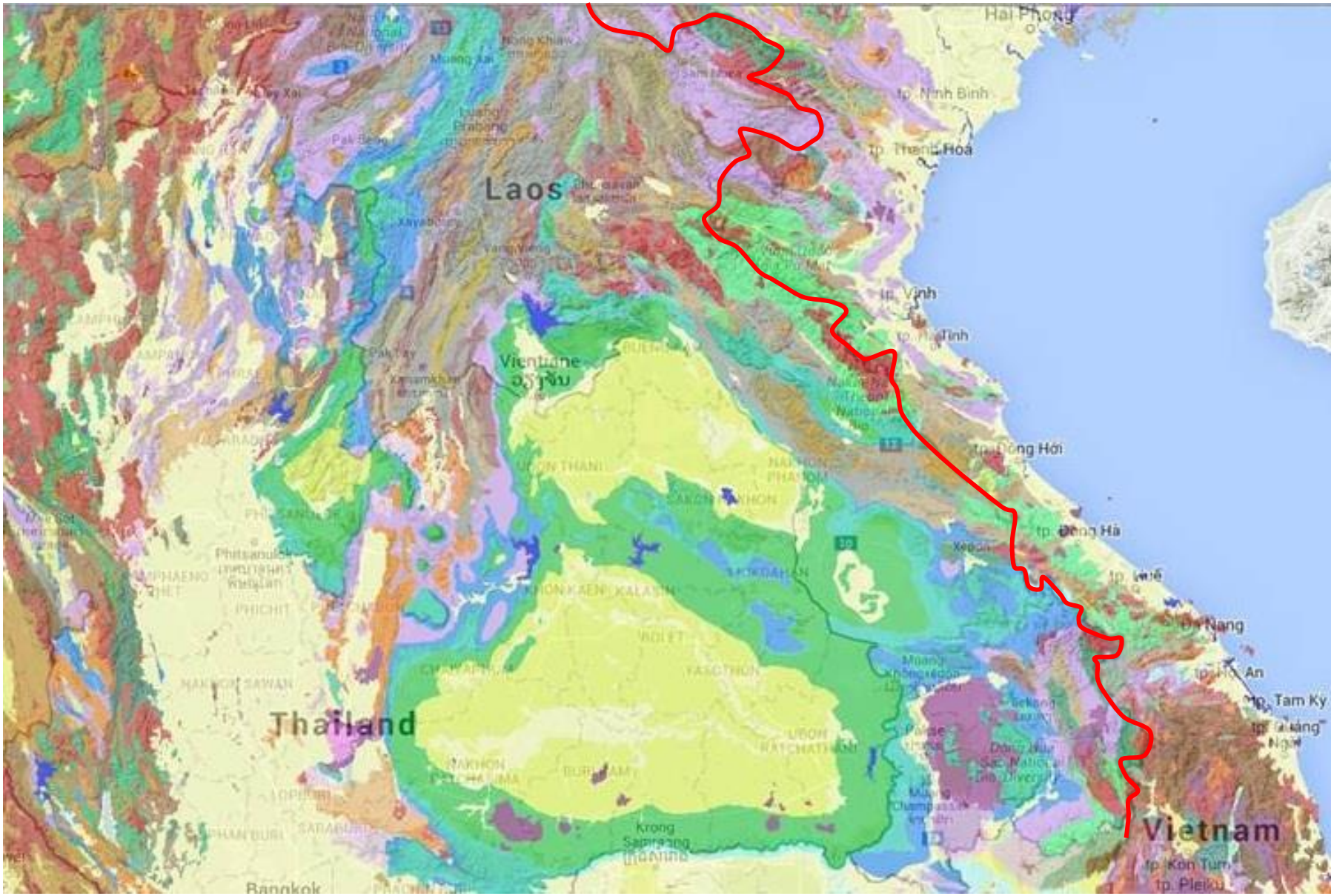


Cross-border

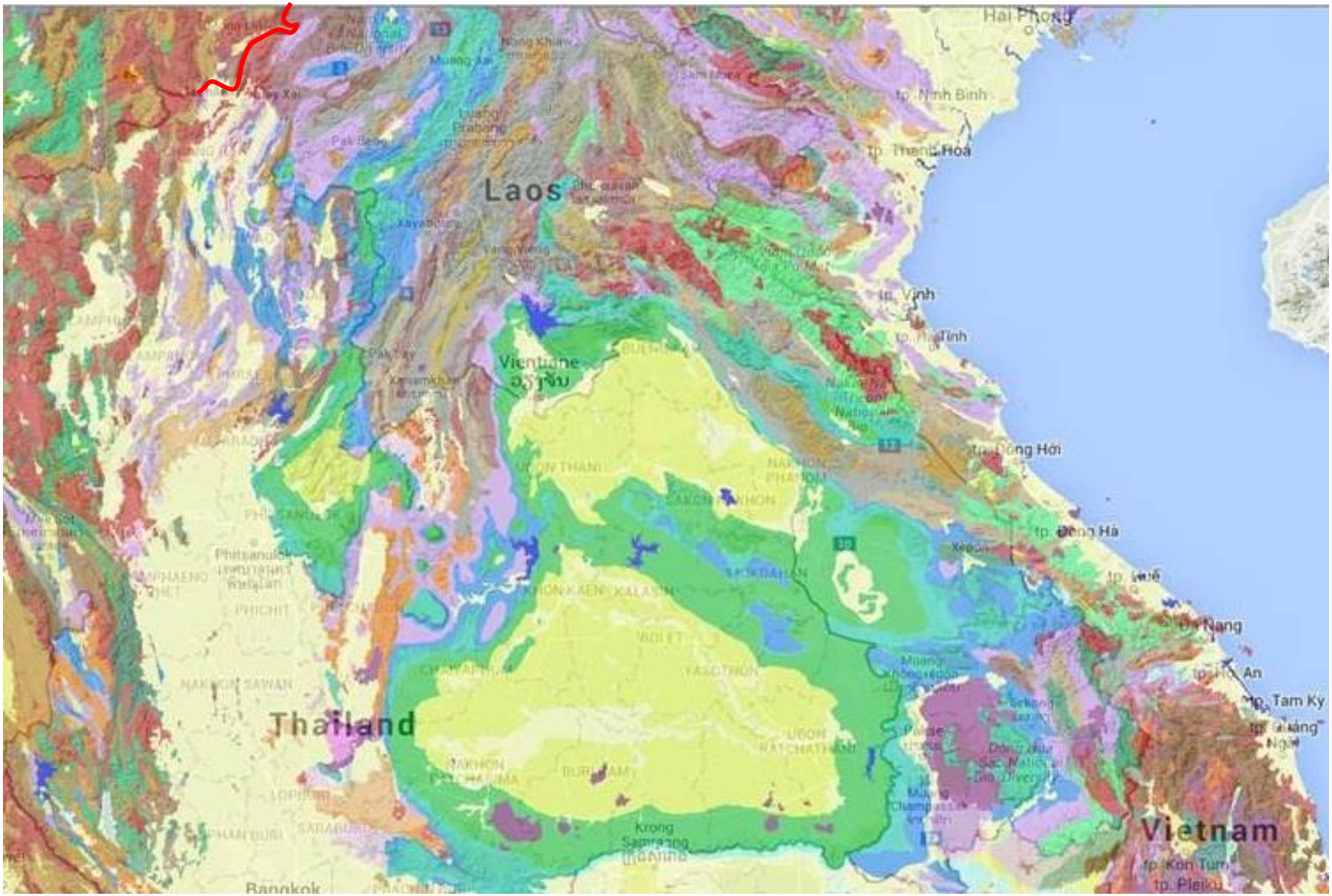
LAO PDR - CAMBODIA



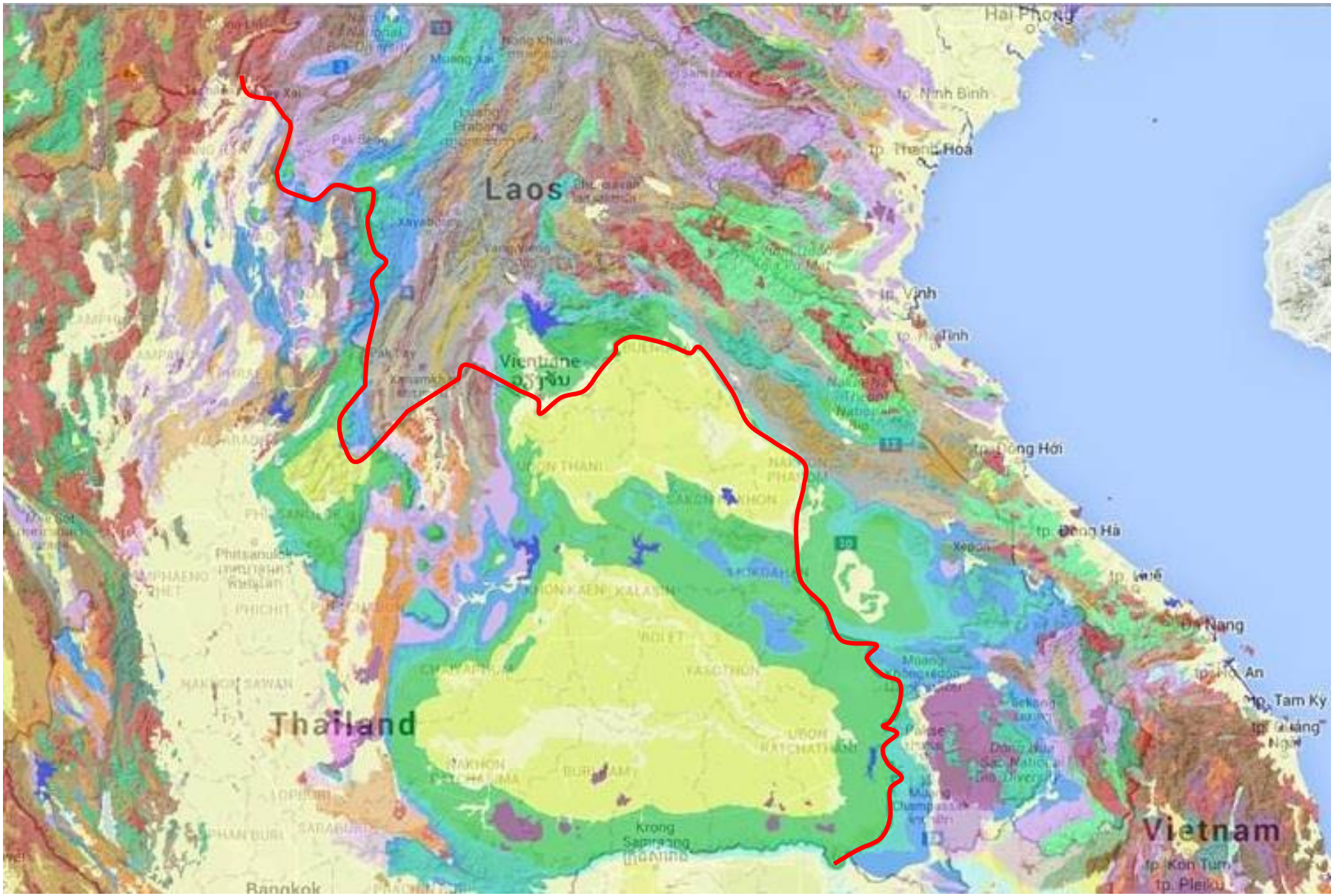
LAO PDR - VIETNAM



LAO PDR - MYANMAR



LAO PDR - THAILAND




THANK YOU