

# CAMBODIAN PROPOSED PROGRAM FOR CLMVT COOPERATION

# Status of geological information of Cambodia

- ▣ Geological information is old and mainly concerned with mineral resources:
  - Main geological information is still the French's map of the 60s
  - The latest geological map is the Russian compiled photo geological map of early 90s.
  
- ▣ Few work on geo-environment, geohazard through joint research work since 1996.

# Status of resources in geological sector

- ▣ Very few funding from the government
  - Government policy to rely on private sector,
  - Shortage of government fund and not appropriate system to support geological work.
  - not a prioritized area for assistance in eyes of foreign donors
  
- ▣ Lack of qualified and experienced staff.
  - ▣ Few English spoken staff
  - ▣ Lack of field experience

# Cooperation: a way to foster geological work

- ▣ Good past experience of cooperation:
  - CLV cooperation in geological mapping.
  - Joint research study with Japanese geological agencies.
- ▣ Way to exchange information, experience and know-how.

# Importance of CLMVT cooperation

- ▣ make better understanding on geological evolution of the region and regional mineral resources through information exchange, joint study.
- ▣ Contribute to the ASEAN integration through narrowing the difference between AMS in term of knowledge and know how in geological and mineral sector.

# Cambodia proposed programs for CLMVT cooperation

## Immediate:

1. Geological information updating(mapping)
2. Setting up national museum( study on dinosaure foot print)

## Short term

1. Mineralisation and metallogeny( focus on precious fine and ornamental stone, tin mineralisation)
2. Ground water conditions and resources
3. Coastal geology and mineral resources

## Long term programmes:

1. Geodynamic
2. Environmental geology and geohazards.
3. Others

# Updating Geological information

- ▣ Geological mapping:
  - Joint surveys and mapping along the border to support the seamless geology project.
  - Capacity building in cartography, digital geological mapping, remote sensing application in mapping.

# Study of dinosaur footprint

- ▣ Set up 1<sup>st</sup> geological museum.
- ▣ Area of study: dinosaur footprint in “Upper Sandstone” formation.
- ▣ Capacity building in macro paleontology.
- ▣ Exchange experience and know-how in setting up a geological museum.

# Study on gem resources

- ▣ Precious, fine and ornamental stones.
- ▣ Corundum and pagodite in western provinces of Cambodia. (possible extension to fine stone deposit in S Cambodia).
- ▣ Joint survey and studies.

# Groundwater condition and resources

- ▣ Understanding of hydrogeology conditions to support climate change adaptation project.
- ▣ General survey in groundwater.
- ▣ Capacity building (post graduated scholarship study in hydrogeology for 01 persons)

# Coastal geology and mineral resources

- ▣ Joint survey and study on coastal geology, morphology and hazards.
- ▣ Joint study on coastal mineral resources (heavy minerals and sand resources)

# Geodynamic study

- ▣ Joint study on Active Mae Ping fault.
- ▣ Develop a warning system of the CLMVT region.
- ▣ Earthquake information exchange.

# Environmental geology, geohazards and others

- ▣ Activities can be jointly done under CLMVT cooperation and group or individual reseaches and studies.

**End of slide**  
**Thank you for your attention**