



Nepal



STATUS OF MERCURY MONITORING IN NEPAL

**ATMOSPHERIC MERCURY
MONITORING WORKSHOP 2019**

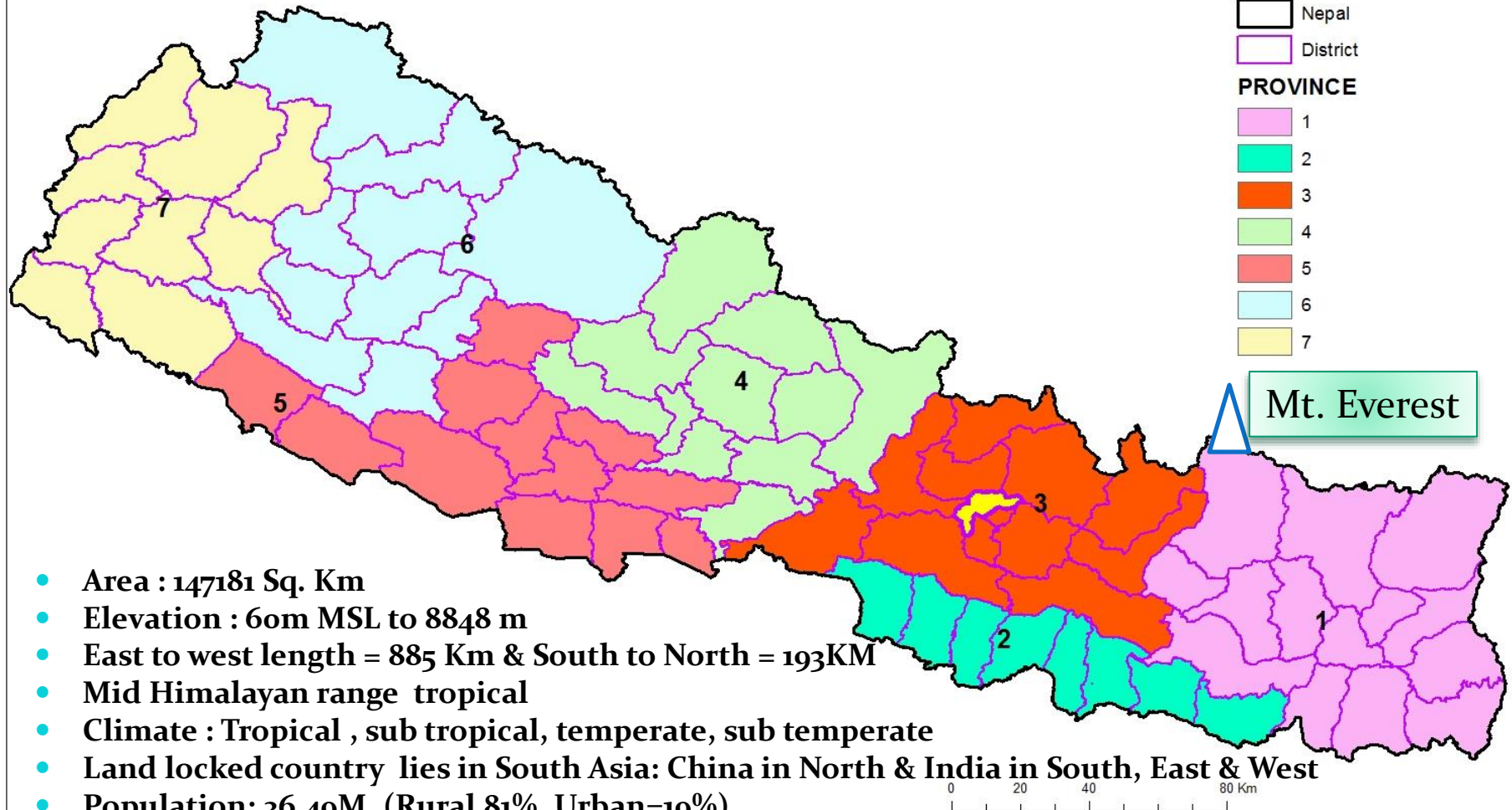
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Contents of presentation

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Country information

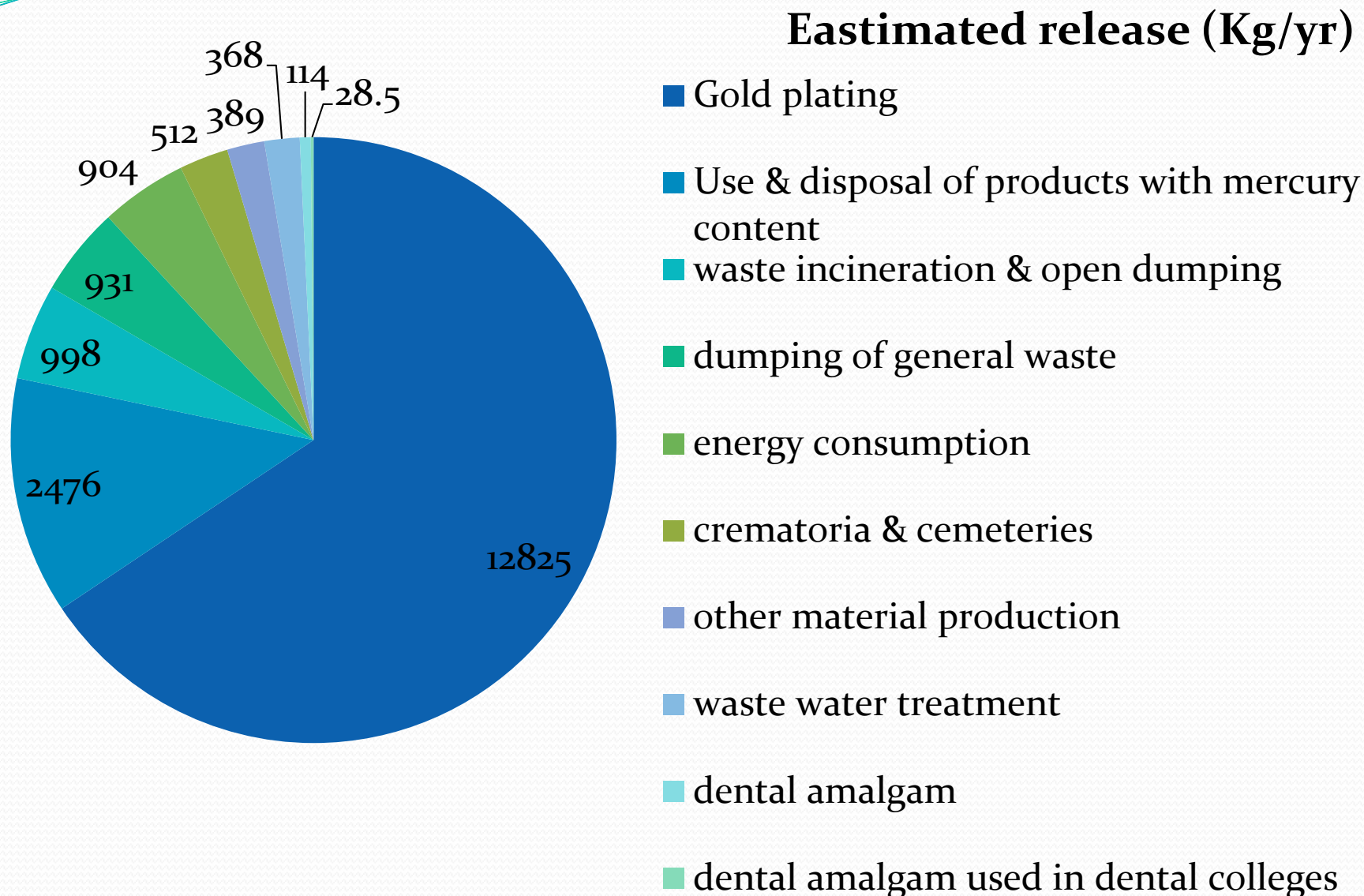


- Area : 147181 Sq. Km
- Elevation : 60m MSL to 8848 m
- East to west length = 885 Km & South to North = 193KM
- Mid Himalayan range tropical
- Climate : Tropical , sub tropical, temperate, sub temperate
- Land locked country lies in South Asia: China in North & India in South, East & West
- Population: 26.49M, (Rural 81%, Urban=19%)
- Per Capita Income = \$ 1,047
- GDP Annual Growth Rate= 7.10

status of Mercury (what Research show)

- Mercury has been using in Nepal from very beginning,
- It has been using for various purpose eg. Health care devices & services, amalgam formation, scientific purpose, educational purpose, electronics goods, cosmetic products etc.
- The main Sources of mercury in atmosphere are gold plating, use & disposal of mercury content, dental amalgam, waste water treatment, crematoria & cementries
- Research have proven the presence of mercury in the fish of Phewa Lake , human body & environment in Nepal

present Situation(sources)



- Total release of Mercury in Nepal for the baseline 2016/17 is 19615 Kg. Hg/Yr

what we are doing

- Nepal had signed the Minamata Convention on Mercury in Oct 10, 2013 in Japan
- Ministry of Forest & Environment & United Nation Industrial Development Organization have jointly started a project named "Enabling Activity to conduct Minamata Convention initial assessment in Nepal" since Dec 5, 2016
- Objective of project is to strengthen Nepal's national capacity to fulfill the obligation under the Minamata convention & promote effective implementation of its provision in cooperation with development partner
- Nepal is in federal system, The local level government are making laws for the control of the pollutant. Technical personnel are appointing.

what we are doing(contd)

- Federal government is drafting Environment policy
- Ministry of health making prohibition of mercury used equipment in health service sector.
- Different government bodies are making awareness.
- Department of Environment and Department of Custom are going to strengthen the chemical laboratory.
- Department of food technology and quality control is measuring food and feed contaminants
- Participate in global mercury database & monitoring programs involving global & regional sampling efforts organized by UN agencies
- Establishing wet deposition sampling instrument

Our problem

- Environment issues are not prioritized
- Country political situation is still in transition. leaders are not paying enough attention on environment
- Some technical barrier are a head of us

what we are planning

- planning to Ratify the Minamata Convention on Mercury
- Promote mercury free alternative consumer products and medical equipment
- Reduce or ban the use of dental amalgam
- Developing proper separation method for the disposal of mercury added product both at the household consumer level and in the landfill management procedure
- Implement safety for capture & release of mercury emission during the process of gold plating activities
- More awareness

What we expect

- Technical support in measurement and control
- Exchange of mercury related information
- Pointing our deviation



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