

SUMMARY OF PRIORITY AREAS OF PARTNERSHIP FOR TANZANIA

Priority areas for partnership in reducing mercury emissions in the environment for Tanzania should include:

- a) Taking inventory of all possible mercury sources including concentrated areas of artisanal gold miners and large scale mines for the three main gold fields: Lake Victoria Gold Field, Mpanda Minerals Field, and Lupa Gold Field in order to reveal mercury speciation, (used in amalgam process) and mercury as a by-product of mining and refining other metals (gold, iron, zinc, and other non-ferrous metals); coal production and coal-fired power plants; factories engaged in the production of chlorine and caustic soda still using mercury cell technologies (Chlor-alkali industries); discarded equipment containing mercury (thermometers, manometers, mercury oxide batteries, florescent lamp, electrical and electronic switches), either previously deposited in landfills or in waste/tailings piles; hot spring points, cement production industry (mercury in lime), etc;
- b) Development of capacity building and awareness creation programme at the respective regional mining offices particularly in areas where there are small scale and artisanal gold mining. The programme will include activities such as: establishment of mobile units processing units which use simple management practices and modern technologies to reduce the exposure and release of mercury in the environment; awareness seminars; training and demonstrations; and establishment of data base;
- c) Strengthening the existing technical infrastructure in institutions engaged in research and development, technological transfer and monitoring of mercury levels in the environment;
- d) Introduction of alternative technologies, for example in chlor-alkali industries, and substitute products and chemicals;
- e) Development of guidelines on the management of products containing mercury, contaminated waste and the remediation of contaminated sites.