

1.- Please try to outlaw upstream dam construction. My main point is that ALL (should I say, humbly, that I'm referring to all those I know of) broken dams were built upstream. This is a simple argument, of which I have no theoretical contributions to make; however, as this is engineering and not science, the empirical verification should suffice.

2.- Please make sure that the impact matrix includes microbiota and flora as well as fauna and superior animals. The entry point of metals is through the microbiota, then vegetables, then fauna.

3.- Please outlaw the growth of plants in contact with tailings. In my country I have sadly noticed that miners and biologists start developing biomass in non closed tailings facilities. By covering the tailings with some sand material, then organic soil and then planting, they are promoting metals bioaccumulation in the food chain. The closure must first isolate the tailings with waterflow blocking materials (clays, for example) and putting then a series of low (at the bottom) to high (at the top) permeability materials, to ensure that irrigation water never gets into the tailings. Only then can the biomass be restored to the environment's natural condition.