

## Regulation of global chemical pollution of atmosphere and hydrosphere, and international laws

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I will discuss chemical pollution in air and water, by the rapid development and global competition to create new materials produced by the combination of 100 elements. We human being is producing new materials which has never been present in nature for the last 4.6 Ga. Now more than 6000 new materials have been produced a year. If some of these will enter into water or air, those chemically polluted water and air would affect genome and or metabolism in life to increase mutations in genome. To regulate industrial competition, we need first strong reasons to stop the activity or control chemical species which are safe for life.

EU has started the regulations, and will increase more regulations soon in future to control the import. However, it is insufficient to control it in a local region, it must be global because of atmosphere and oceans are all borderless.