



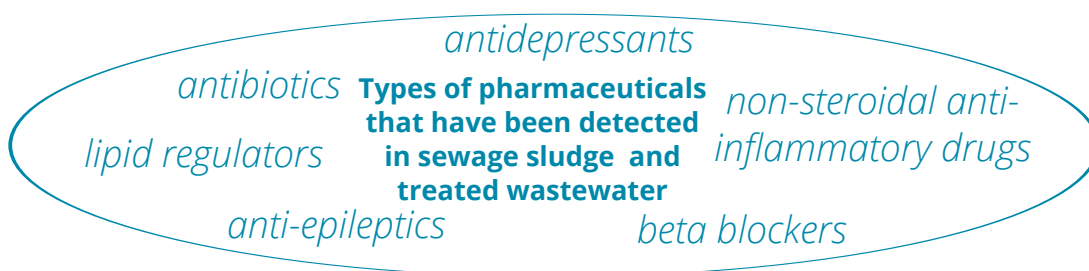
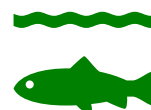
up to >70%

Amount of pharmaceutical dose excreted in urine



Wastewater treatment plants *are not designed to remove or degrade pharmaceuticals*
Pharmaceuticals are *released into the environment* in treated wastewater and sewage sludge

>200 Number of different pharmaceuticals detected in aquatic environments globally

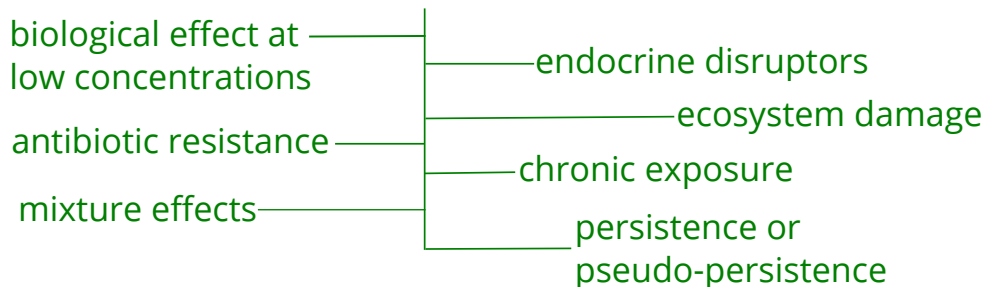


>195 000 tonnes

Amount of sewage sludge (biosolids) spread on Australian agricultural land in one year

ZERO
Regulation of pharmaceuticals in biosolids

Characteristics of pharmaceutical pollutants



Actions required

- 1. IMPLEMENT** binding guidelines relating to pharmaceutical contaminants in biosolids and recycled water
- 2. STOP** the use of biosolids as fertiliser pending further investigation of pharmaceutical contaminants
- 3. INVEST** in the development and use of advanced wastewater treatment technologies that remove and degrade pharmaceutical pollutants