MICROINQUINANTI E CONTAMINANTI EMERGENTI Testimonianze Soluzioni e Prospettive 11 e 12 Giugno – Aula Rogers, c/o Politecnico di Milano

Stato delle conoscenze dei problemi sanitari delle acque destinate al consumo umano



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HEALTH RISKS AROUND THE WATER CYCL

Coasts and oceans

- sewage discharges /pollution from rivers
- shellfish and fish contamination
- polluted bathing waters
- persistent organic pollutants
- radioactive substances

Agriculture

- increased risk of disease vectors (malaria and schistosomiasis) from unsafe irrigation
- irrigation with unsafe wastewater
- agro-chemical pollution of drinking water sources

Downstream water-quality

- sewage pollution and infectious diseases
- nutrients, eutrophication and algal toxins
- chemical pollutants

Climate change

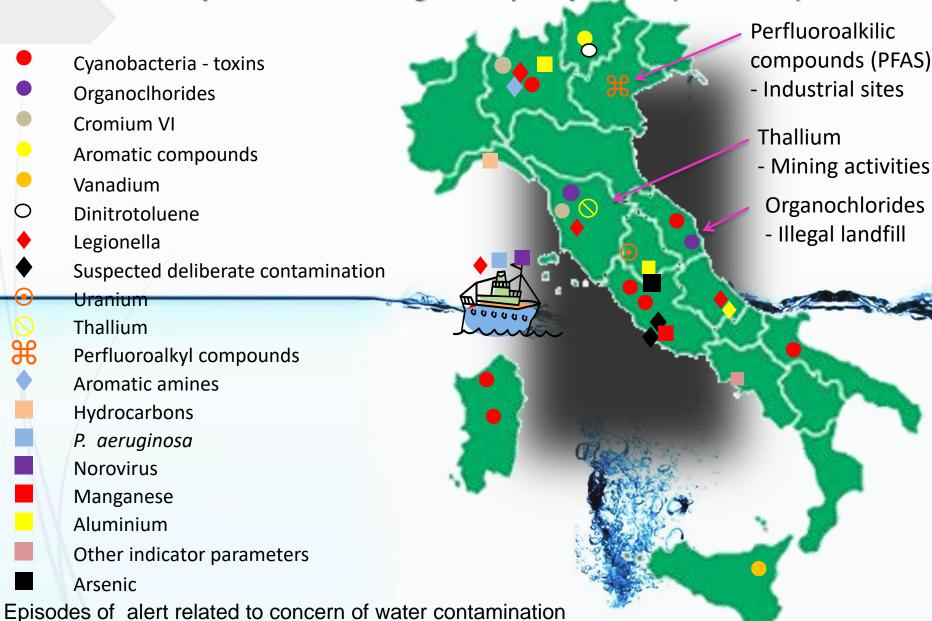
- increased floods and droughts
- Distribution of insect
 disease vectors

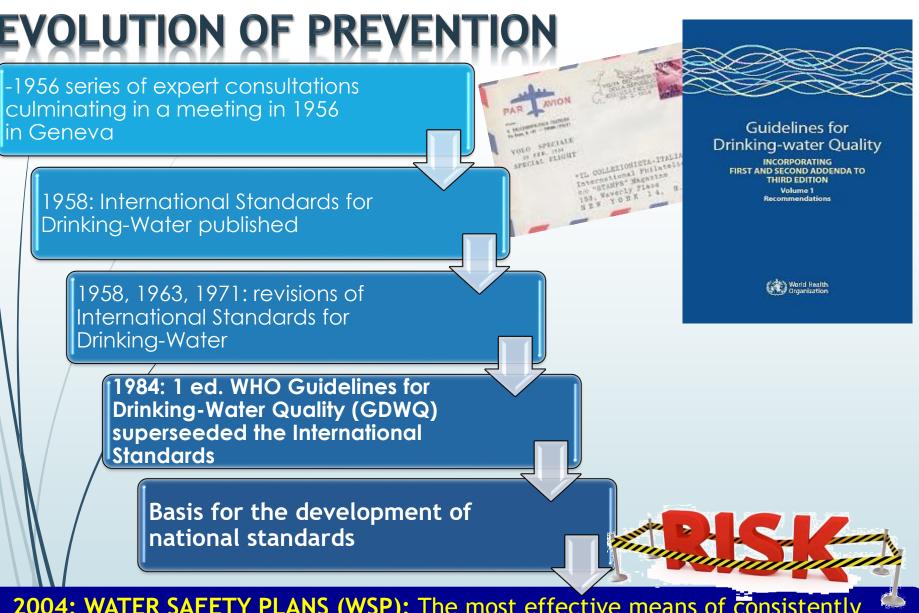
Freshwater scarcity

- insufficient water for basic needs
- degraded aquatic ecosystems
- loss of biodiversity
- lack of water for irrigation and food production

... It is everything under control?

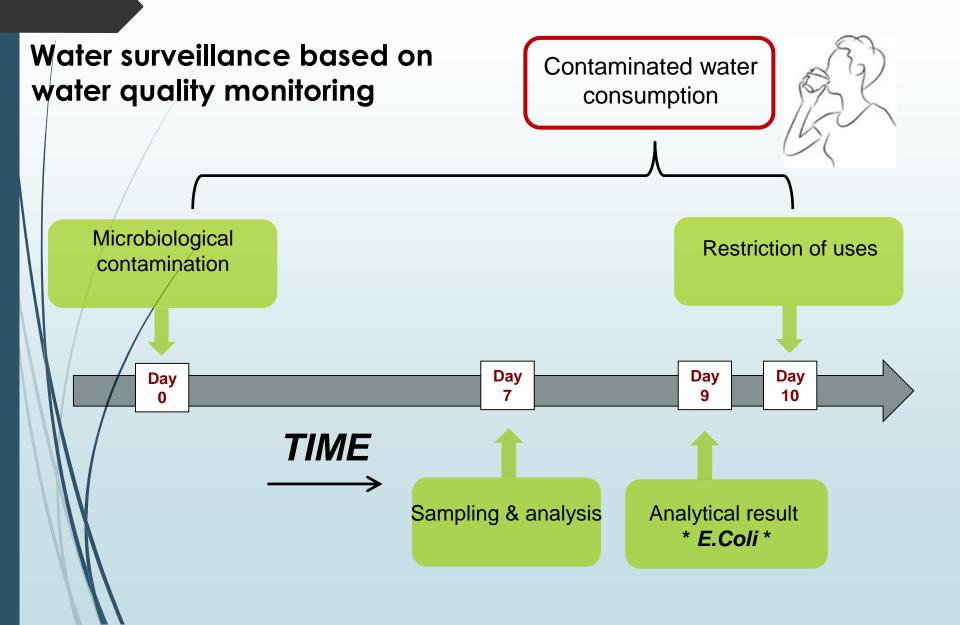
Some "reasoned opinions" on drinking water quality by ISS* (2009-2016)





2004: WATER SAFETY PLANS (WSP): The most effective means of consistently ensuring the safety of a drinking-water supply is through the use of a comprehensive risk assessment and risk management approach that encompasses all steps in the water supply from catchment to consumer.

Why WSP?



Why WSP?

