



Groundwater Security

Philippe QUEVAUVILLER

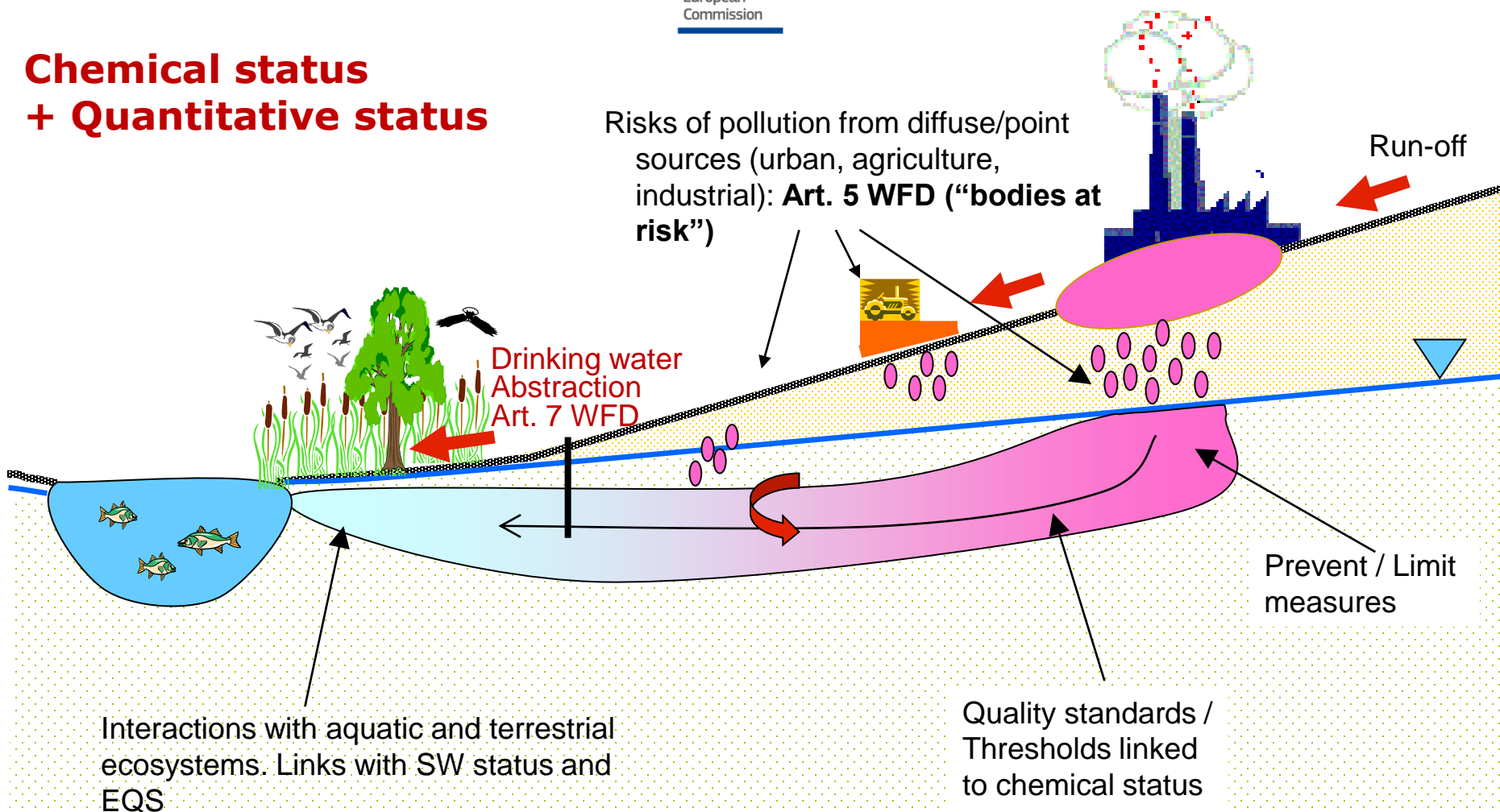
European Commission, DG HOME

Groundwater protection within the WFD / GWD

What about security?



Chemical status + Quantitative status



Groundwater= natural resource to be protected against pollution and deterioration, in particular for dependent ecosystems and for use in water supply (links with Article 7 of WFD about Drinking Water Protected Areas)

"Protect human health from adverse effects of any contamination of water intended for human consumption"

Monitoring
and remedial
action:
48 parameters

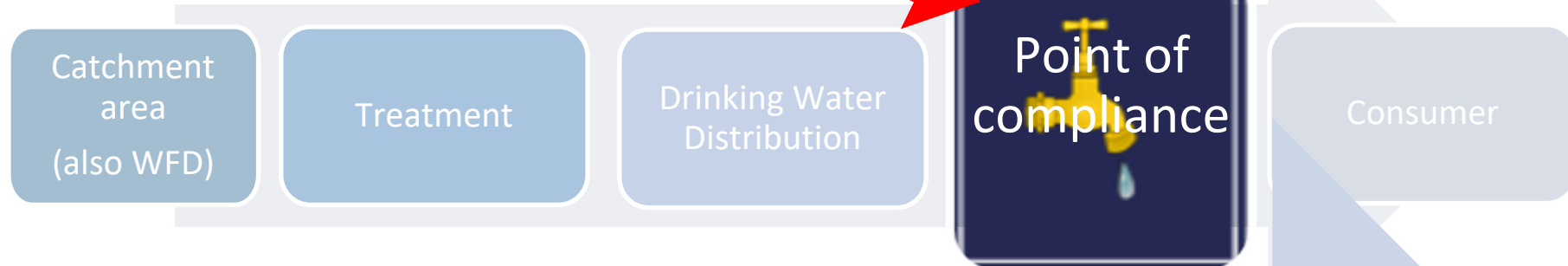
Information to
consumers

Reporting to
COM

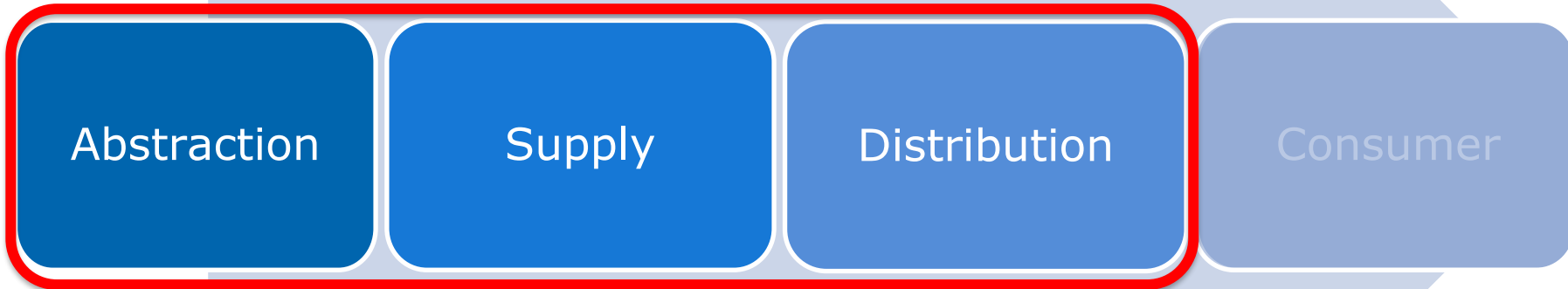
Risk-based approach (safety)



**O
L
D**



**N
E
W**



**Proposal covers complete
water supply chain**



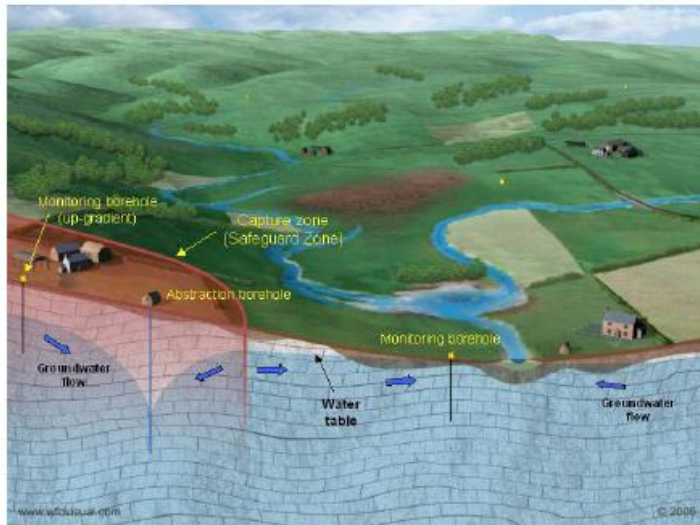
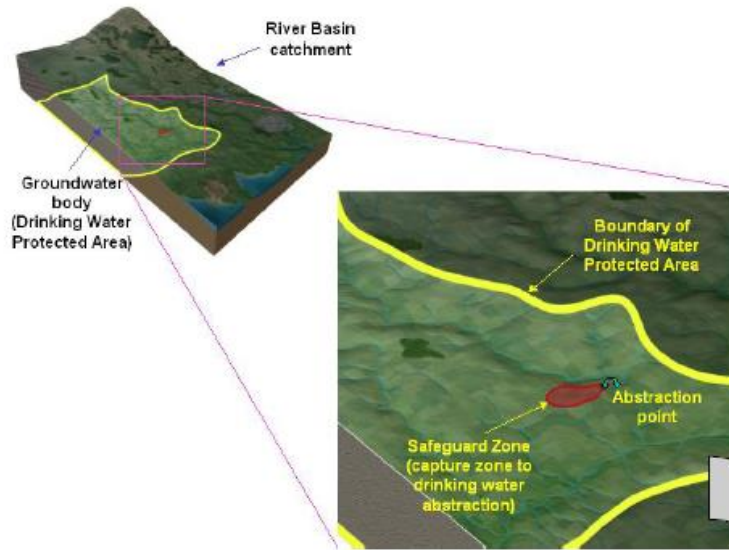
1) Explanatory Memorandum

- Security measures: under other Union policies
- Reference to 'NIS Directive' (EU) 2016/1148 on the security of network and information systems and CBRN Action Plan

2) New Provisions Risk-Based Approach (Water Safety Plan)

- Safety measures will improve security
 - Identification of hazards affecting water bodies
 - Better communication to authorities – suppliers
 - Reference EN 15975(-2) concerning security of drinking water supply

Groundwater & Security



- **Water quality security: ensure enough quantity and quality of water for human health, economic activities and environmental protection.**
- **Water-related risks (floods, droughts...).**
- **Groundwater Drinking Water Protected Areas/Safeguard zones (WFD art 7).**
- **Critical infrastructures (e.g. dams, but operation, safety and control out of scope of WFD).**
- **Emerging pollutants in surface and ground waters (what about intentional poisoning?)**