



# **DRINKING WATER**

## **Treatment Plant of Florence and neighbouring area**



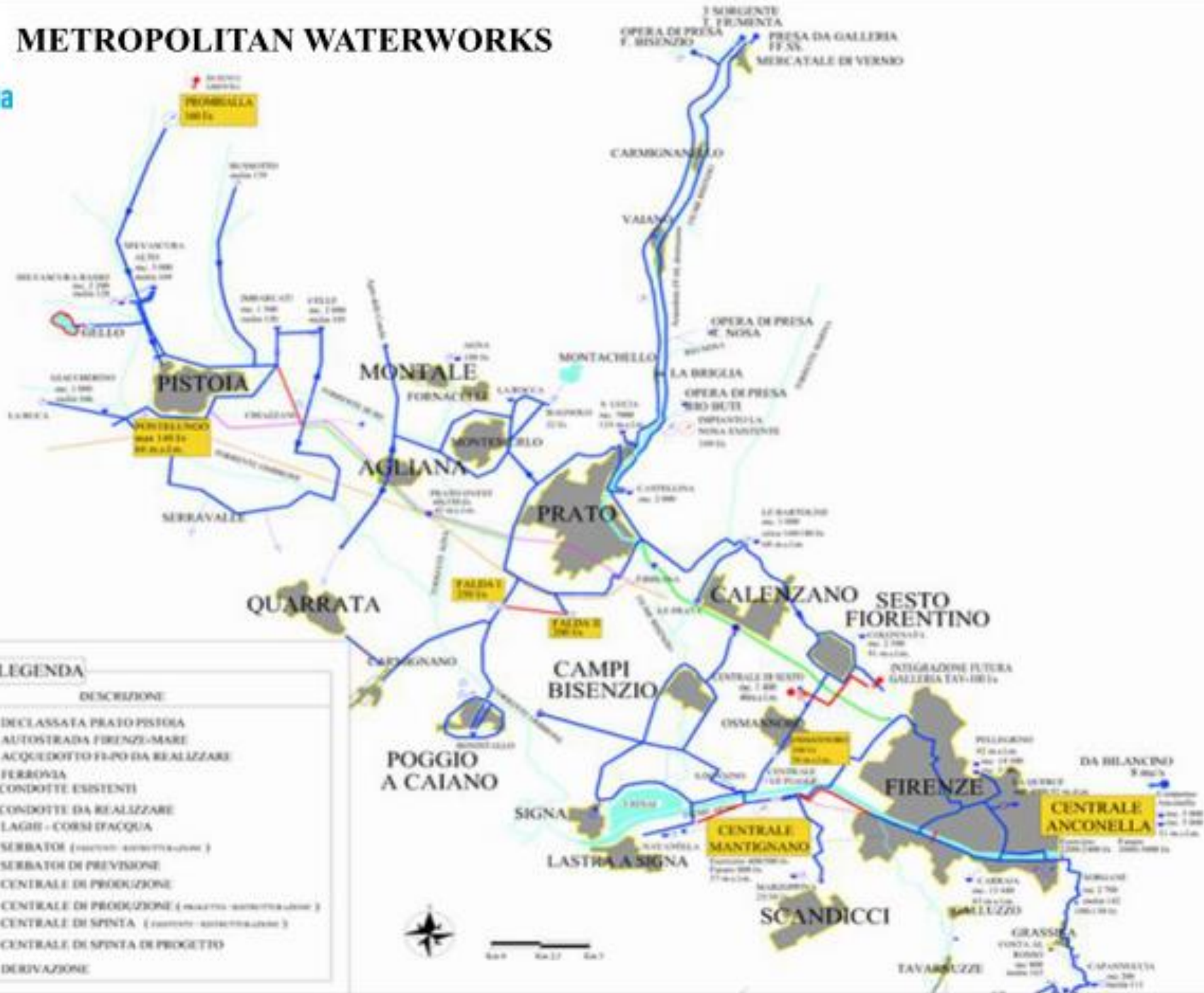




**Stabilimento  
di potabilizzazione  
Anconella**

**Stabilimento  
di depurazione  
San Colombano**





disinfectants

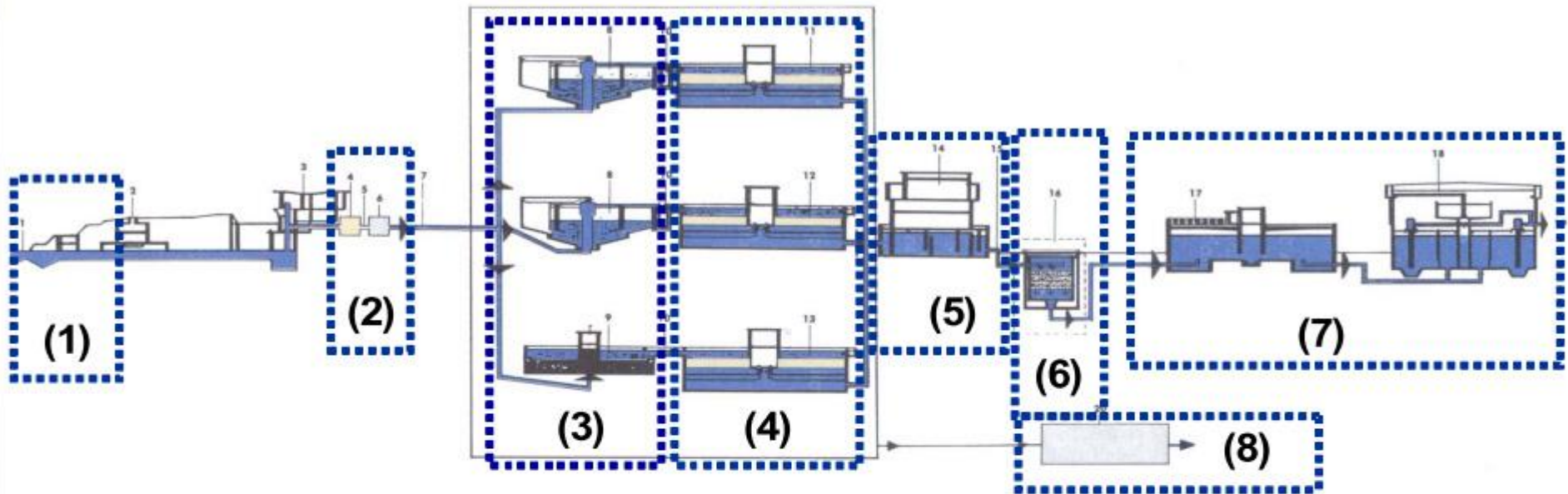
Flocculation  
agent

Chlorine dioxide

Sodium hypochlorite  
 $\text{NaClO}$

Poly aluminium chloride

$\text{AlCl}_3$



The Anconella WTP treats surface water from Arno river (1).

The treatment train is: (2) pre-chlorination and PAC addition, (3) coagulation-flocculation-sedimentation (by two clarificator systems: 6 circular sedimentation basins and 4 sludge blanket clarifier), (4) rapid sand filtration, (5) ozonation (6) GAC filtration and (7) final chlorination. All the discharge are sent to the sludge treatment plant (8).

**PAC:** Powder Active Carbon

**GAC:** Granular Active Carbon





# Water in Florence



# ETÀ DEI PRIMI INSEDIAMENTI

FAN





ETÀ ROMANA

*FAW*





# ETÀ MEDIEVALE

*FAW*





# ETÀ DEL COMUNE

*FAW*





# Water factory

1870

