

The first results highlighted the complexity of salinity sources and processes in the system. An important compartmentalization between aquifers and within the same aquifer units was observed with very distinct water signatures ( $^{87}\text{Sr}/^{86}\text{Sr}$ ,  $\text{d}11\text{B}$ ) at the same depth for wells located in the same street block. Groundwater residence time seems to indicate that some groundwaters were recharged under a colder climate, i.e. 10-15 ky, with locally a very limited modern recharge. This point is of primary importance in terms of groundwater management of this strategic and fragile resource.