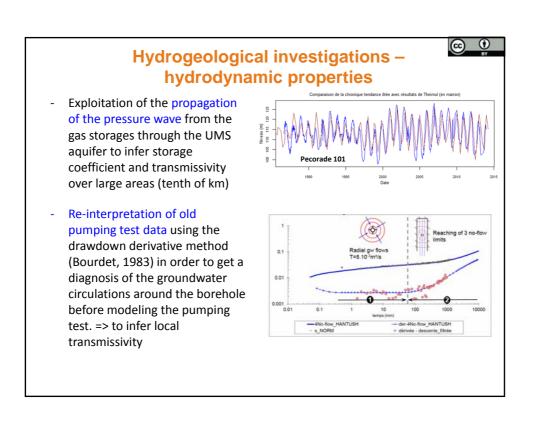
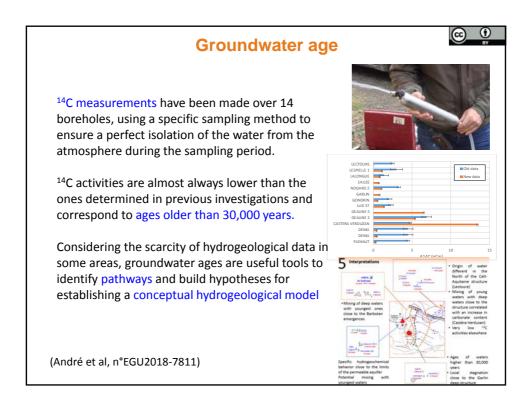
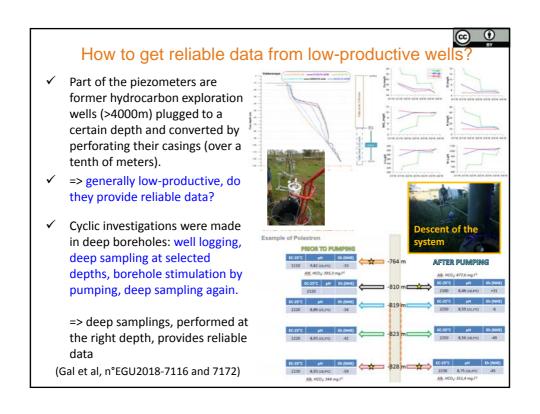


Hydrogeological investigations - Outflows Study of anticline structures: Piezometric and chemistry analyses, Upstream-downstream gauging Modification of the hydrodynamic behavior as the groundwater level drops: springs dry out and what was an outlet becomes a recharging area. Diminution of the groundwater age, change in the water chemistry Off-shore outflows have been considered regarding feasibility and divers observations The Piezometric level bed lower than the topography (Wuilleumier, n°EGU2018-7622)







Conclusions



Understanding groundwater circulations in deep aquifers which are characterized by few access opportunities need to combine investigations methods, using the different fields of the earth sciences

It reinforces our abilities to understand groundwater circulations and provides useful objective constraints to calibrate the future groundwater model solicited by the water authorities

Furthermore, it provides scientific arguments helping the decision makers to federate and adopt converging positions towards a shared management of the groundwater resources

To this respect, all investigations made in the frame of the GAIA project are reported into public technical reports and available online (http://infoterre.brgm.fr)

More investigations complete the full-picture of the project, in the frame of geology, hydrogeology and hydrogeochemistry

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