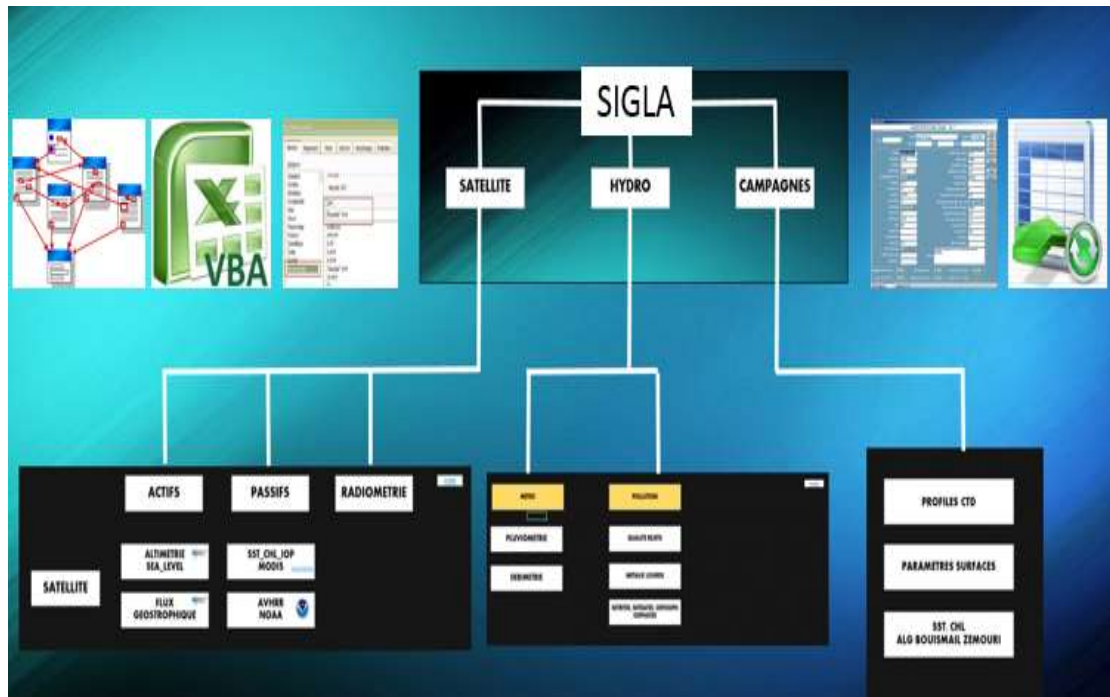


Geographical Information System of the Algerian Coast (GISAC, or SIGLA):

(2 Photos Maximum, Minimum Quality 4 Mo, Format JPEG, PNG,...etc.).



- Description of the technological product:

The Algerian coast, 1600 km long, is more and more exploited. Moreover, it becomes a source of fresh water for coastal cities. Many works are performed for the follow-up of coastal water quality by doing in situ measures by means of specialized oceanographic vessels and also manual measures. Our work aims at developing a Geographical Information System of the Algerian Coast (GISAC, or SIGLA in French). Being developed in Excel, the objective is to make it integrated into any computer system. SIGLA combines all oceanographic data from measures done in the laboratory to satellite observations in order to establish qualitative cards of coastal marine waters. SIGLA allows a dynamic follow-up of geostrophic current along Algerian coast observed during years. A particular study is made about the biological pollution from ballast waters, by developing dynamic cards of the original ports of the ships which berth at the two ports of Arzew and Skikda. SIGLA can be used as a helpful tool to decide which sites are potentially aquacultural, by using its multi-criteria model.

- For further information, please contact: evaluation@atrst.dz
- Tel. 021 52 60 98.