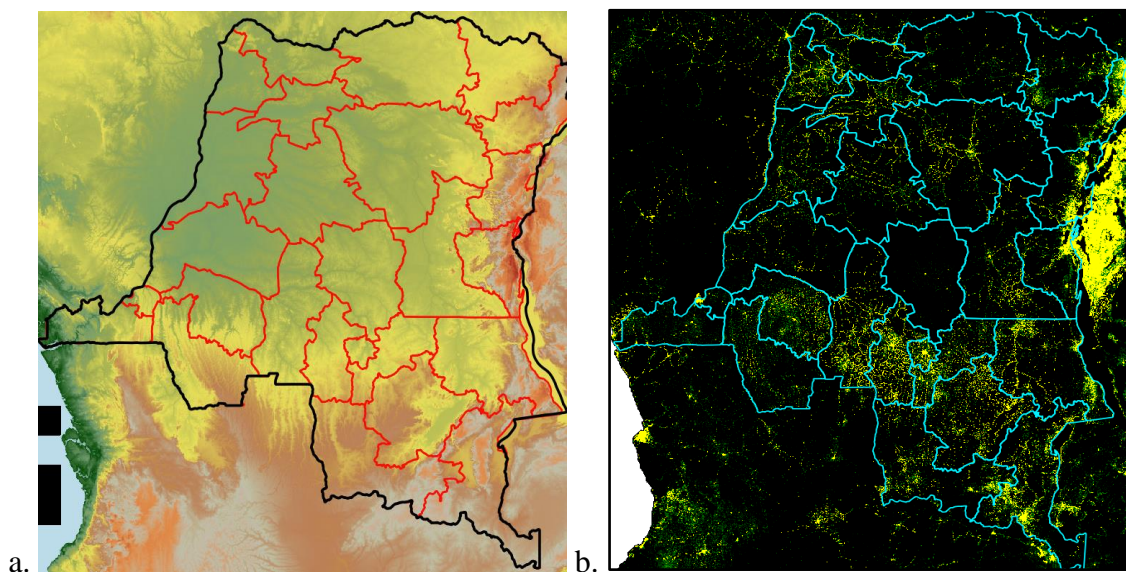


## Internship of Mr Julien BWAZANI BALANDI at VisioTerra for the reinforcement of his Geographic Information System (GIS) capacities

Paris : 06-19/12/2022

The VisioTerra society (<https://www.visioterra.fr/>)<sup>1</sup>, one of ERAIFT's partners, specialised in scientific advice for earth observation, received Mr. Julien BWAZANI BALANDI, research assistant and doctoral student at ERAIFT, from December 6 to 19, 2022, for an internship in Geographic Information Systems. Two objectives were pursued during this internship: (1) consolidation of the geospatial referential of the Democratic Republic of Congo (DRC); (2) production of a user manual for the VtWeb platform for data processing.

The DRC geospatial referential has a set of layers in shapefile format, depicting the administrative entities of the DRC, the protected areas of Central Africa, the infrastructures of the DRC, the industrial and community forest land use permits, the hydrography, etc. The referential has data in 'image' format depicting the types of occupation and land use, digital terrain models (a), the distribution of population density per km<sup>2</sup> with a spatial resolution of 1000 m (b). These data cover the period from 1985 to 2020 with projections to 2025 and 2030. In addition, the referential has reference documents that accompany the data available in the GIS.



ERAIFT thanks VisioTerra for its technical support, especially its Director Serge RIAZANOFF, Associate Professor of Universities, for this internship to improve ERAIFT's human capital for the development of its Geomatics Laboratory.

<sup>1</sup> VisioTerra "independent French society for scientific advice on earth observation". <https://www.visioterra.fr/web/> Qui-sommes-nous, accessed on 23 December 2022.