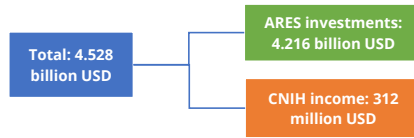
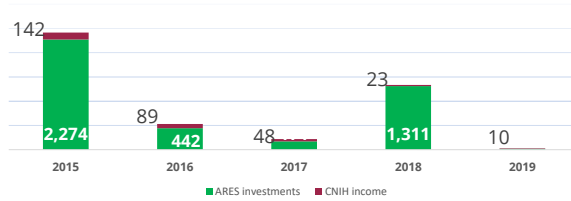


Information Investments¹

November 2019



Timeline of information investments (millions of dollars)

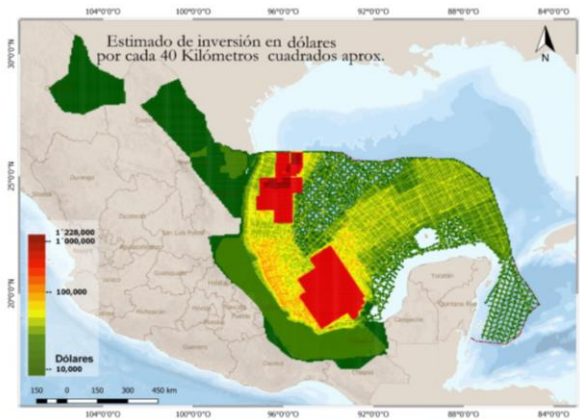


ARES investments

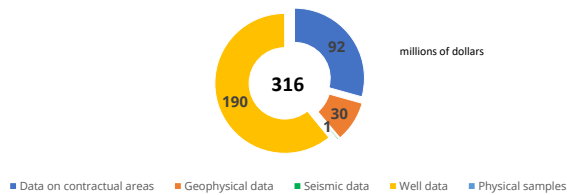
Type of ARES



Map with Estimated Investment²



Revenue from the Centro Nacional de Información de Hidrocarburos (CNIH)



Source: Comisión Nacional de Hidrocarburos. Figures take into account studies of Authorizations for Reconnaissance and Surface Exploration (ARES) and the income of the CNIH for use of the electronic payment system eS.

¹ The amount of investments in Authorizations for the Reconnaissance and Surface Exploration (ARES) and of income to the CNIH for database use were converted to dollars using the exchange rate to settle obligations expressed in US dollars, payable in Mexico (average observed), published by Banco de México.

² The map shows an estimate of the different investment levels estimated by area in associated seismic studies of the Reconnaissance and Surface Exploration Authorizations. Methodology: A reference grid with square areas of approximately 40 km² was used, within this mesh, the kilometers of the 2D seismic studies and the square kilometers of the 3D seismic studies corresponding to each of the squares were measured. The kilometers of each of the squares multiplied by the investment per unit of each study (Total investment in the study divided by the kilometers or square kilometers of the study). Once the investment was calculated for each of the squares, investment ranges were assigned in order to show the different levels of investment. For more information, please see: <https://cnh.gob.mx/informacion/inversionAres2.aspx>