

Value of acquired and reprocessed data

Reconnaissance and surface exploration authorizations (ARES, by its initials in Spanish)

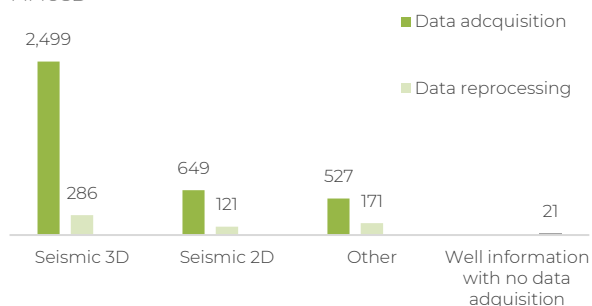
Estimated value of acquired and reprocessed information, at 2018 market prices.

4,274 MMUSD
total since 2015

estimated value by type of project

	MMUSD
Data acquisition	3,675
Data reprocessing	578
Well information with no data acquisition	21

estimated value by technology
MMUSD



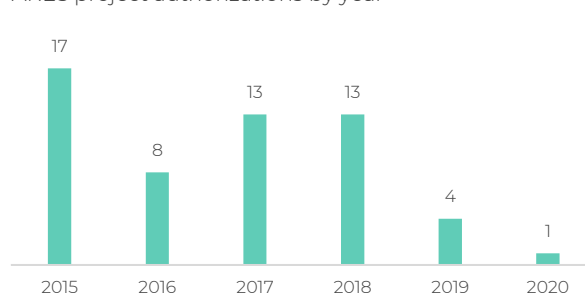
56

current projects

ARES projects by status

	number of projects
completed	44
under development	11
to be started	1

ARES project authorizations by year



CNIH'S REVENUE

National Hydrocarbons Information Center (CNIH, by its initials in Spanish)

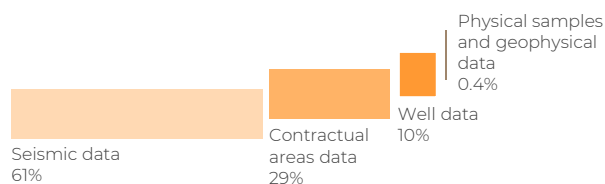
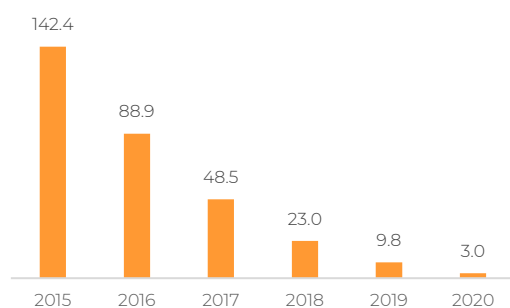
National Hydrocarbons Information Center's Revenues for the access and use of information

316 MMUSD
total since 2015

revenue by concept

	total MMUSD	2020 MMUSD
Seismic data	191.0	0.9
Contractual areas data	91.6	0.0
Well data	31.8	2.0
Geophysical data	1.0	0.0
Physical samples	0.2	0.1

revenue by year
MMUSD



Notes:
Average market prices observed in 2018 were considered for the estimation. It's assumed that only one transaction is carried out for each ARES-B project. Complete and under development projects are assessed; projects withdrawn, expired, and to be started are excluded from the estimation.
The category Others includes the following technologies: aeromagnetic, geological analysis, electromagnetic, geochemical, gravimetry, magnetometric and bathymetry.
CNIH's revenues in dollars for informative purposes only. An annual average of the exchange rate to settle liabilities denominated in U.S dollars, published by the Banco de México, was used for the conversion. For further information on CNH's revenues please visit: <https://www.gob.mx/cnh/documentos/aprovechamientos>.