



Funded by
the European Union



Proyecto EUROCLIMA+ sequías e Inundaciones - Andes Implementing Drought Monitors for 6 Andean Countries

MSc Mario López Pérez



Funded by
the European Union



CIIFEN



aecid
Agencia Española
de Cooperación
Internacional
para el Desarrollo



AFD
AGENCE FRANÇAISE
DE DÉVELOPPEMENT

Proyecto EUROCLIMA+ sequías e Inundaciones - Andes

Develop the first generation of drought monitors, the early warning protocol for meteorological, hydrological and agricultural drought and the definition of a roadmap for the improvement of the first generation of drought monitors for Venezuela, Colombia, Ecuador, Perú, Bolivia y Chile



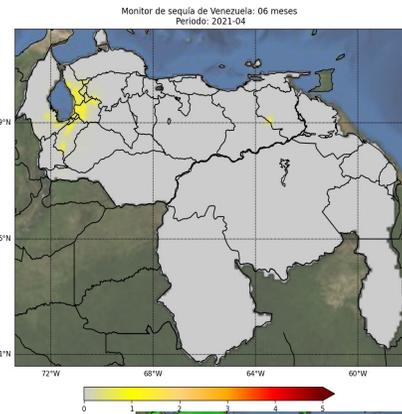
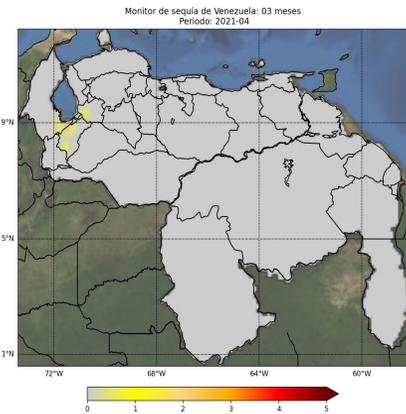
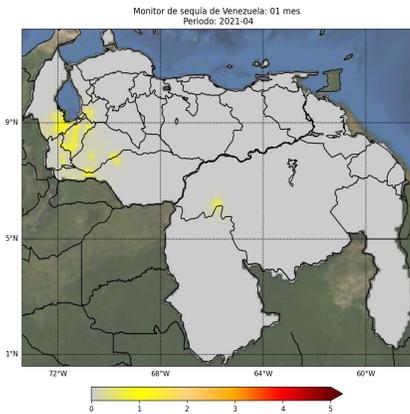
Funded by
the European Union



Proyecto EUROCLIMA+ sequías e Inundaciones - Andes

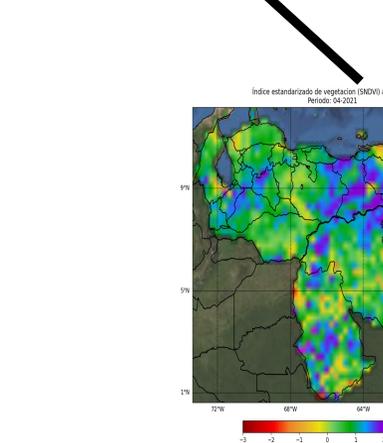
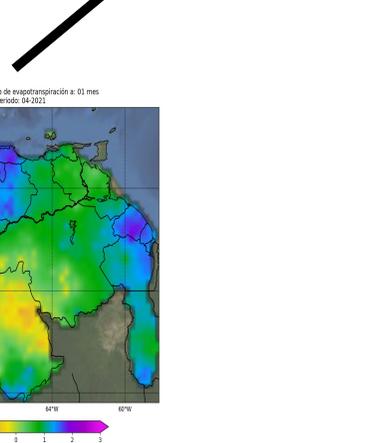
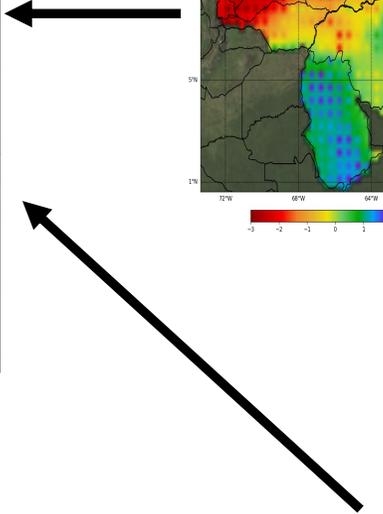
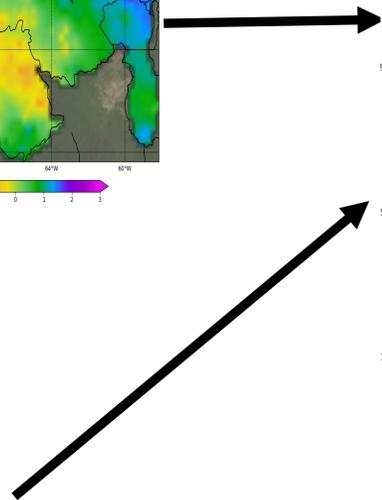
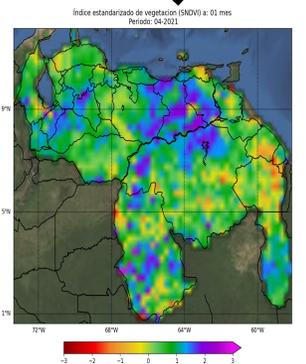
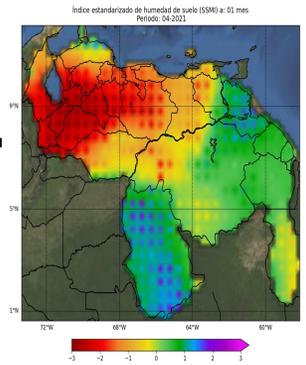
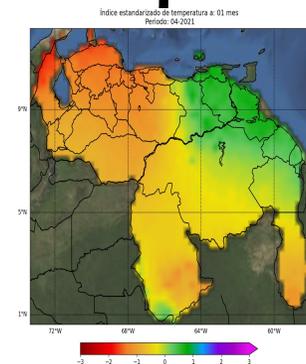
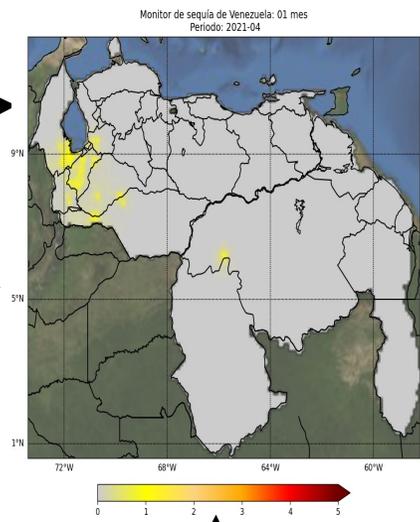
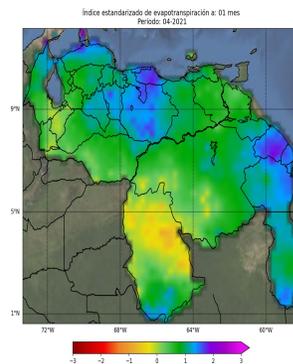
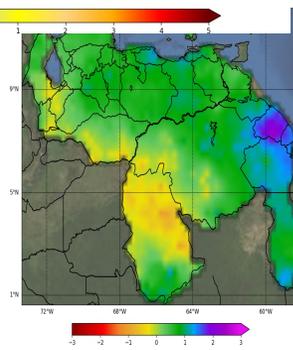
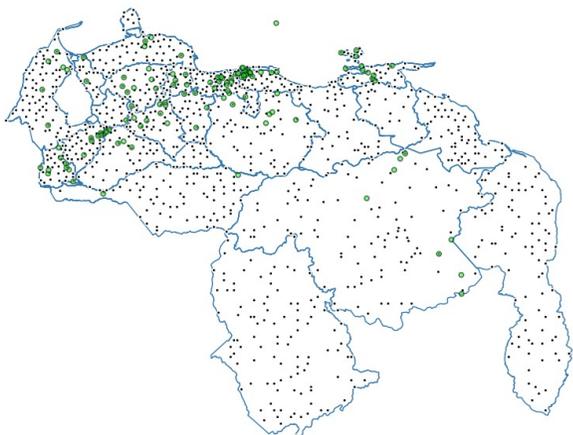
Índice	Registro
SPI	Índice estandarizado de precipitación
SSMI	Índice estandarizado de Humedad de Suelo
SNDVI	Índice estandarizado de la vegetación
STI	Índice estandarizado de temperatura
SPEI	Índice estandarizado de precipitación y evapotranspiración
Periodo de cálculo: 01, 03, 06, 09 y 12 meses	

Fuente
CHIRPS: Rainfall Estimates from Rain Gauge and Satellite Observations https://data.chc.ucsb.edu/products/CHIRPS-2.0/global_monthly/
Climate Prediction Center (global monthly land Surface air temperature analysis) ftp://ftp.cpc.ncep.noaa.gov/wd51yf/global_monthly/gridded_binary/t.long
Climate Prediction Center (global monthly land Surface air temperature analysis) ftp://ftp.cpc.ncep.noaa.gov/wd51yf/global_monthly/gridded_binary/w.long
LP DACC(Land Processes distributed active archive center) Satélite MODIS – Terra https://e4ftl01.cr.usgs.gov/MOLT/MOD13C2.006/ https://e4ftl01.cr.usgs.gov/MODV6_Cmp_C/MOLA/MYD13C2.006/

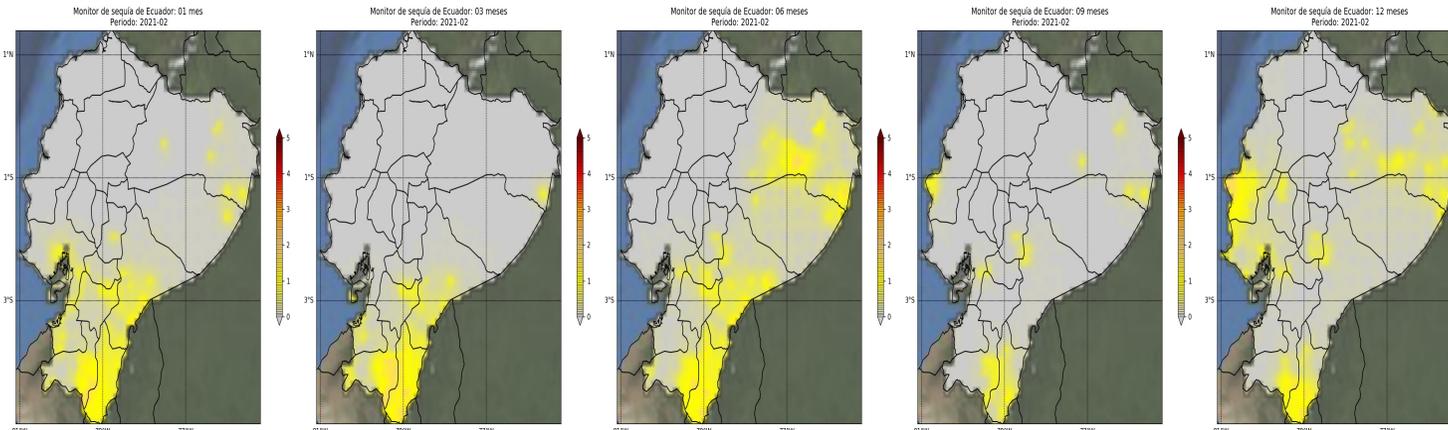
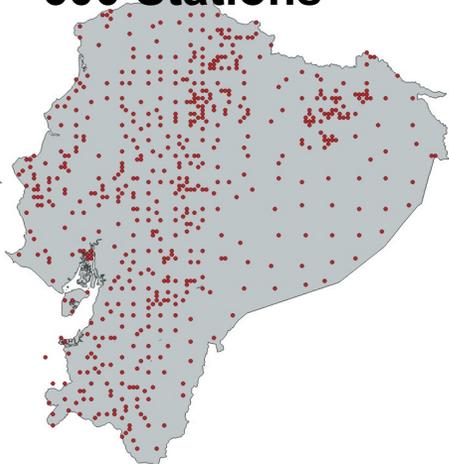


Venezuela Drought Monitor

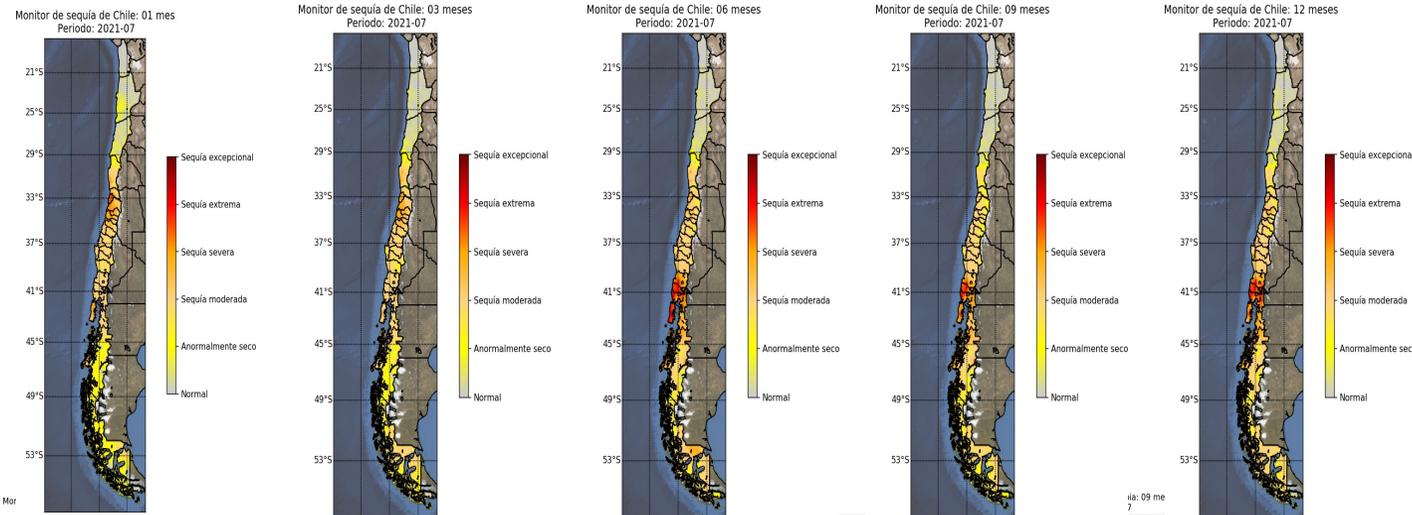
1164 Stations



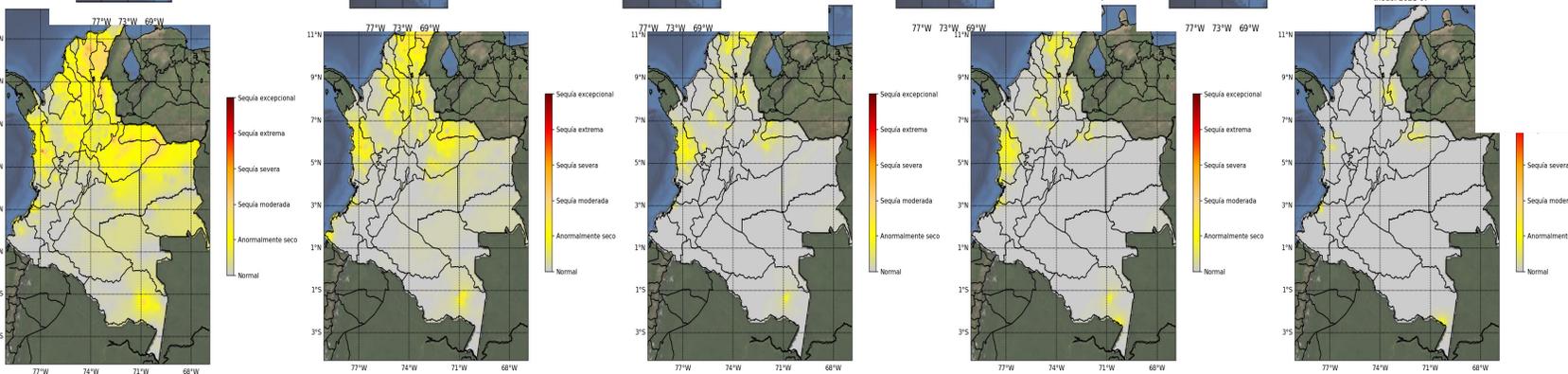
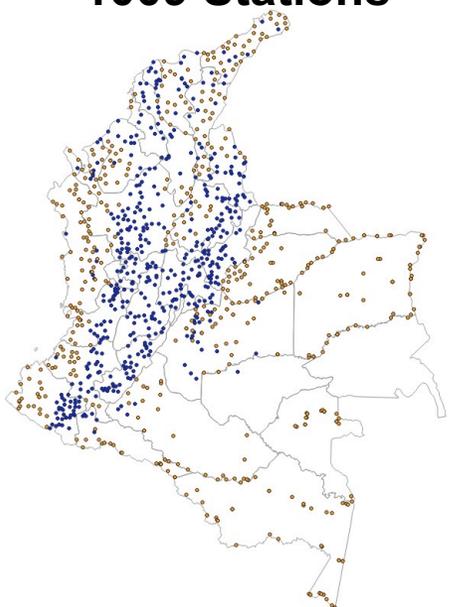
Ecuador 600 Stations



Chile 243 Stations 200 virtual 35 ground 8 GSMAP v

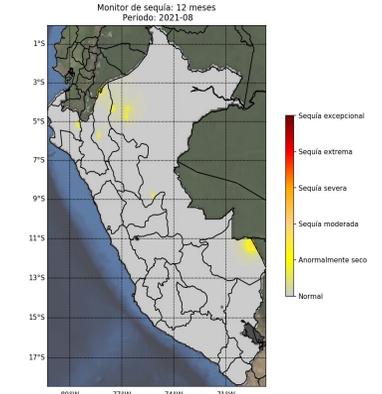
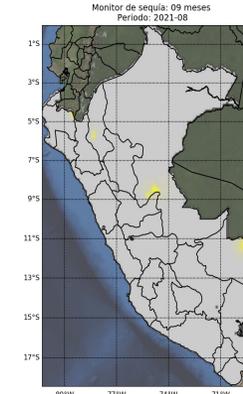
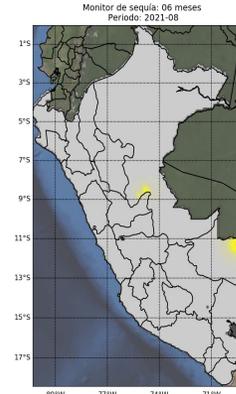
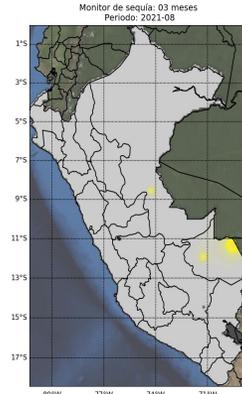
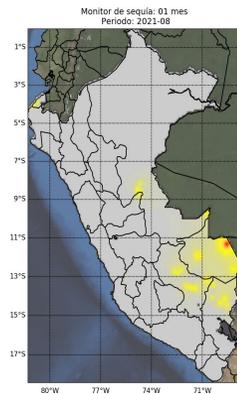
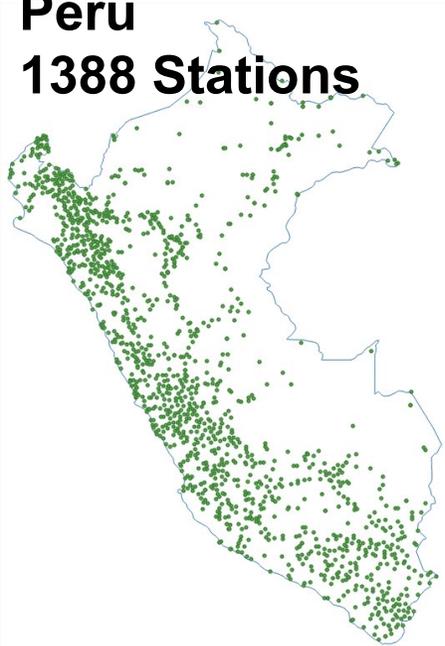


Colombia 1009 Stations



Peru

1388 Stations



Country	Drought Monitor Status	Comments
Venezuela	Operational INAMEH	Strategic plan in progress
Ecuador	Operational INAMHI	Strategic plan in progress
Chile	In transfer to DMC	Capacity building
Colombia	In transfer to IDEAM	Capacity building
Perú	Under analysis SENAMHI	Next step enhance with ground stations
Bolivia	Operational SENAMHI	Improve the present Monitor