



VALENCIA'S FLOODS (1957-2024)

LUCAS AMORÓS

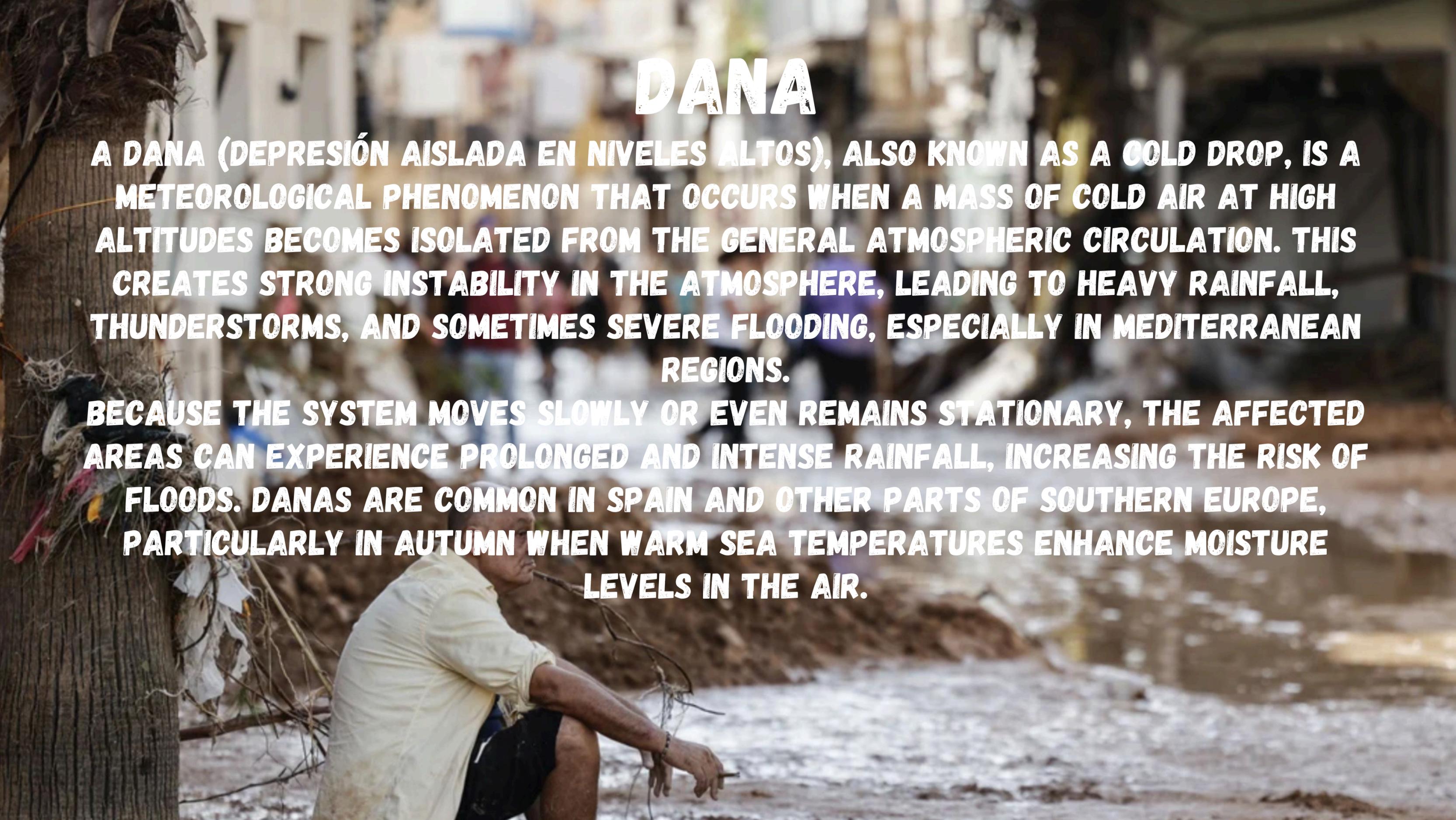
JAVI ILLÁN

PABLO MANUEL BELMONTE

DANA

A DANA (DEPRESIÓN AISLADA EN NIVELES ALTOS), ALSO KNOWN AS A COLD DROP, IS A METEOROLOGICAL PHENOMENON THAT OCCURS WHEN A MASS OF COLD AIR AT HIGH ALTITUDES BECOMES ISOLATED FROM THE GENERAL ATMOSPHERIC CIRCULATION. THIS CREATES STRONG INSTABILITY IN THE ATMOSPHERE, LEADING TO HEAVY RAINFALL, THUNDERSTORMS, AND SOMETIMES SEVERE FLOODING, ESPECIALLY IN MEDITERRANEAN REGIONS.

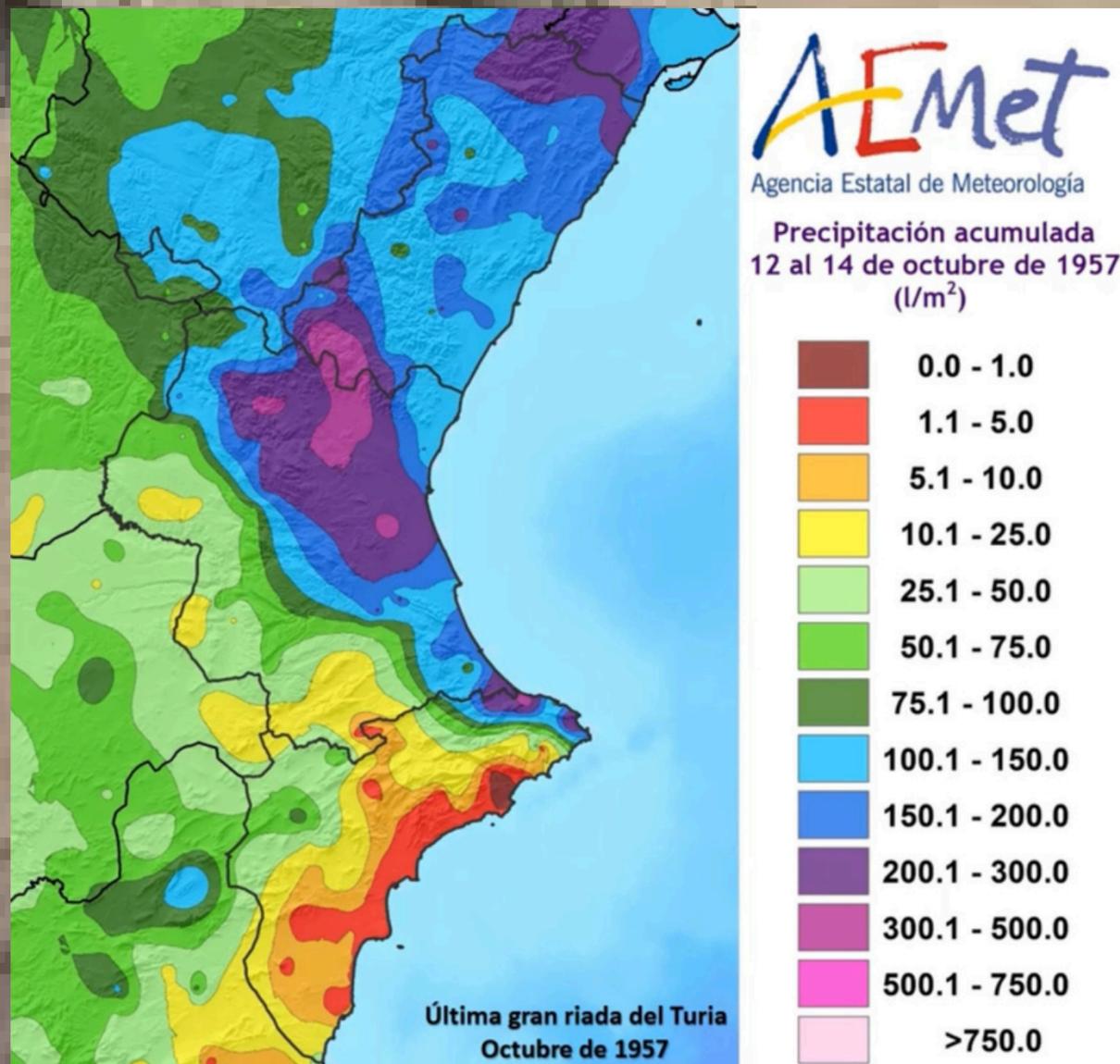
BECAUSE THE SYSTEM MOVES SLOWLY OR EVEN REMAINS STATIONARY, THE AFFECTED AREAS CAN EXPERIENCE PROLONGED AND INTENSE RAINFALL, INCREASING THE RISK OF FLOODS. DANAS ARE COMMON IN SPAIN AND OTHER PARTS OF SOUTHERN EUROPE, PARTICULARLY IN AUTUMN WHEN WARM SEA TEMPERATURES ENHANCE MOISTURE LEVELS IN THE AIR.



1957 FLOOD

Date: October, 14

Where: Valencia and surrounding



IMPACT

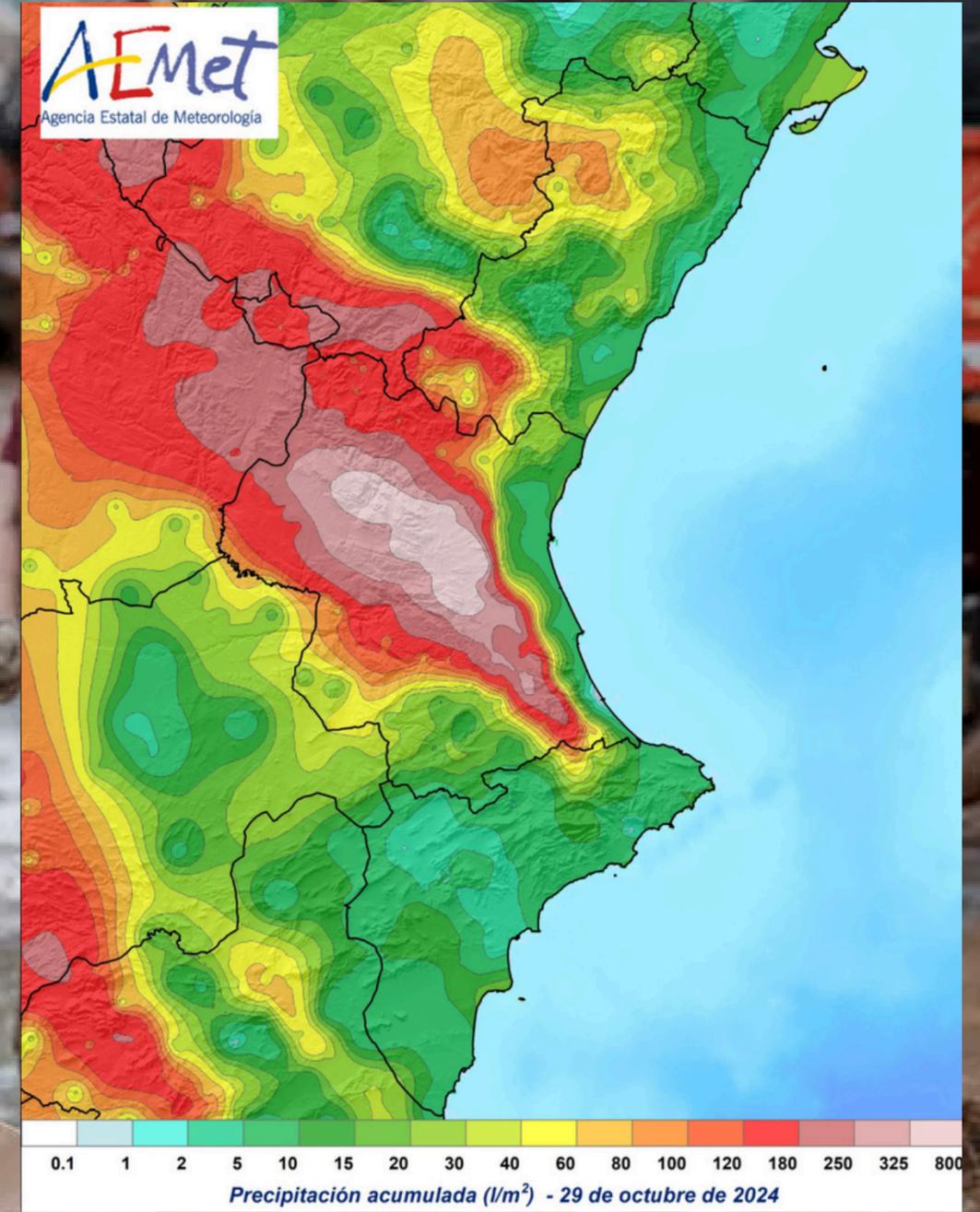
THE TURIA RIVER OVERFLOWED, RELEASING APPROXIMATELY 300 MILLION CUBIC METERS OF WATER INTO THE CITY.

THE FLOOD CAUSED SIGNIFICANT DAMAGE: ABOUT 5,800 HOMES WERE DESTROYED, LEAVING APPROXIMATELY 3,500 FAMILIES HOMELESS, AND AT LEAST 81 PEOPLE LOST THEIR LIVES.

2024 FLOOD

Date: October, 29

Where: Above all, it happened in the orchad



IMPACT:

**HUMAN IMPACT
FATALITIES: 224
DEATHS WERE
REPORTED IN THE
PROVINCE OF
VALENCIA AND 231
IN ALL OF SPAIN.
RESCUES: MORE
THAN 36,000
PEOPLE EVACUATED.**

**MATERIAL AND ECONOMIC DAMAGES
VEHICLES: MORE THAN 100,000 VEHICLES
AFFECTED.
BUSINESSES DESTROYED: 1,800 BUSINESSES
WERE COMPLETELY DESTROYED AND 4,500
WERE PARTIALLY DAMAGED.
RAILWAY INFRASTRUCTURE: 232
KILOMETRES OF TRACKS, AVE VALENCIA-
MADRID HIGH-SPEED LINE.
VALENCIA AIRPORT: 49 FLIGHTS WERE
CANCELLED AND 30 WERE DIVERTED.
ROADS : VIADUCT OF THE VALENCIA
BYPASS ON THE A-7 .
PORTS CLOSED:THE PORTS OF VALENCIA,
SAGUNTO AND GANDIA.**

**DAMAGE TO CULTURAL
HERITAGE
RESPONSE AND SUPPORT
116,000 CLAIMS WERE
SUBMITTED TO THE
INSURANCE COMPENSATION
CONSORTIUM, WITH US\$3.5
BILLION IN AID.**

WHAT COULD HAVE BEEN DONE BETTER?

GOVERNMENT MISTAKES

**THE ALERT COULD HAVE BEEN
SENT MUCH EARLIER**

**THE POPULATION SHOULD HAD
BEEN CONFINED AT HOME
UNTIL THE RAIN PASSED**

HUMAN MISTAKES

**PEOPLE SHOULD HAVE STAYED
AT HOME INSTEAD OF TRYING
TO SAVE THEIR POSSESIONS**

**WITH ALL THOSE MEASURES, A GREAT PART OF THE
HUMAN DAMAGE COULD HAVE BEEN AVOIDED**

CONCLUSION

**BOTH OF THIS NATURAL
DISASTERS SHOW US THE
IMPORTANCE OF TAKING CARE
OF NATURE, IF NOT THESE
PHENOMENONS WILL BE MORE
COMMON**

**THANK YOU FOR YOUR
ATTENCION AND WE
HOPE YOU ENJOYED OUR
PRESENTATION**