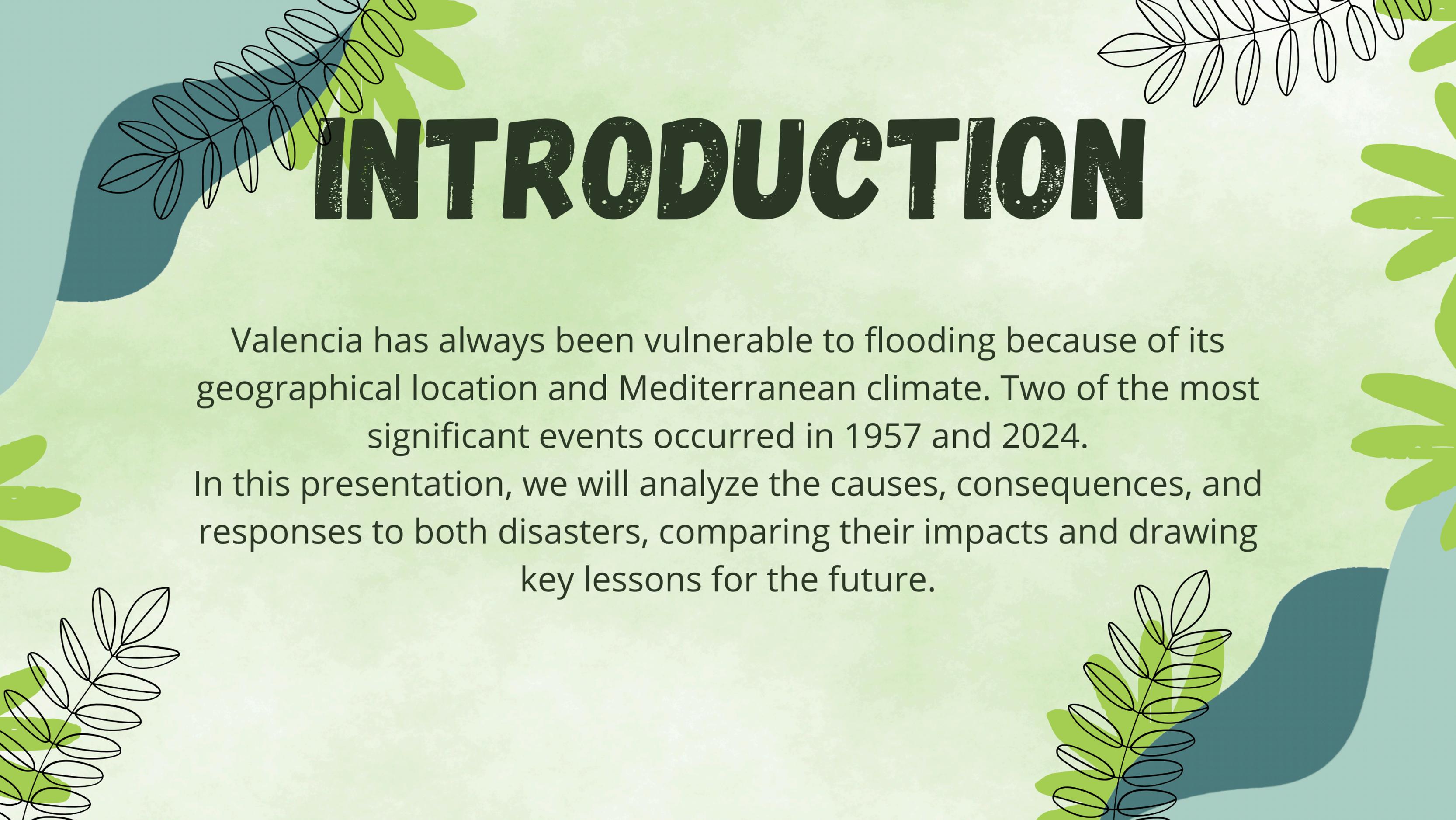


# **VALENCIA FLOODINGS**

*Pablo Berenguer Berná and Pablo Segura Maciá*



# INTRODUCTION

Valencia has always been vulnerable to flooding because of its geographical location and Mediterranean climate. Two of the most significant events occurred in 1957 and 2024.

In this presentation, we will analyze the causes, consequences, and responses to both disasters, comparing their impacts and drawing key lessons for the future.

# 1957 FLOOD

**Date:** October 14, 1957

**Cause:** Overflow of the Turia River after heavy rainfall.

## **Consequences:**

- At least 81 fatalities.
- Extensive urban flooding, especially in the historic center.
- Significant damage to homes, businesses, and infrastructure.
- Subsequent Response:
- The implementation of the "Plan Sur," which diverted the Turia River outside the city, completed in 1961.



# 2024 FLOOD

**Date:** October 29, 2024

**Cause:** Isolated Depression at High Levels (DANA) causing torrential rainfall.

## Consequences:

- 227 fatalities.
- Flooding in multiple localities, with severe impact on Paiporta and Catarroja.
- Extensive material damage to homes, vehicles, and public services.
- Emergency Management:
- The emergency services (112) received nearly 20,000 calls on the day of the disaster.
- Criticism over the delayed issuance of alerts, which were sent hours after the flooding began.



# COMPARISON AND CONCLUSION

## Key Differences:

- Cause of the disaster:
  - 1957: Overflow of the Turia River.
  - 2024: Torrential rains associated with a DANA.
- Human impact:
  - 1957: 81 fatalities.
  - 2024: 227 fatalities.
- Impacted infrastructure:
  - 1957: Damage concentrated in Valencia's urban center.
  - 2024: Affects spread across various localities in the province.
- Lessons learnt:
  - Need for improved early warning systems and better communication with the public.
  - Importance of maintaining and updating drainage and flood control infrastructure.
  - Acknowledging climate change as a factor increasing the frequency and intensity of extreme events, stressing the urgency of adaptation and mitigation measures.



**THANKS FOR  
WATCHING!**