

Blog Post 3: Vienna Pilot: Tackling Heatwaves and Cyber Threats

While less prone to massive earthquakes, Vienna faces threats typical of a modern, interconnected European metropolis. Our pilots here focus on slow-onset climate disasters and complex, human-made crises.

Scenario 3: The Heatwave (Resource Planning)

- **The Threat:** A prolonged summer heatwave causes a massive spike in ambulance calls for heat stroke, right when many medical staff are on vacation.
- **PANTHEON's Role:** The platform will be used to model this resource crunch before it happens. By simulating patient loads and available staff, planners can train to reprioritize transport, implement triage protocols, and ensure that vulnerable populations, like the elderly, receive care even when the system is strained.

Scenario 4: The Cyber-Physical Attack (Cascading Effects)

- **The Threat:** A cyber-attack on a power plant triggers a physical fire that spreads to a nearby forest, threatening the city's outskirts.
- **PANTHEON's Role:** This complex, multi-agency scenario will test the platform's ability to manage cascading effects. It requires coordination between cybersecurity teams, firefighters, and municipal authorities, all sharing a single operational picture through the Digital Twin to manage evacuations and infrastructure repair simultaneously.