



UNDER: **MARIAJOSÉ**
Mariajosé
Armada

MODERATOR: **Valentina**
Valentina
Caballero

CHAIR: **Sofia**
Sofia
Paris

The background of the page is a black and white photograph of a volcanic landscape. A person is walking on a path that is severely cracked and broken, likely due to seismic activity. The terrain is rugged and appears to be a volcanic ash field. Overlaid on this image is a large, semi-transparent logo of the United Nations Security Council, which features a globe and a laurel wreath. The words 'SECURITY COUNCIL' are written in large, bold, blue capital letters across the center of the logo.

SECURITY COUNCIL

**TOPIC B: “Enhancing Security Protocols
for the Potential Opening of the San
Andreas Fault”**



Welcoming letter

Dear esteemed Delegates,

Welcome to CFMUN X edition. It is a great pleasure to have you on the Security Council. As the Moderator and Chair of this council, we are honored to have the opportunity to guide and facilitate our discussions on this year's given topics.

As we go through the conference together, we encourage all delegates to uphold diplomacy, collaboration, and mutual respect. Your contributions to the council will enrich our debate and testify to your leadership and commitment to global peace and security.



We are confident that your dedication to the model will be both rewarding and unforgettable. We look forward to witnessing the innovative solutions emerging from our sessions.

Warm regards,

Valentina C. Caballero & Sofia Paris

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I. Committee Background

The Security Council started on October 24th, 1945 as one of the most important councils in the United Nations.

This organ has the primary responsibility for the maintenance of international peace and security.

It takes the lead in determining the existence of a threat to the peace or an act of aggression. It calls upon the parties to a dispute to settle it by peaceful means and recommends methods of adjustment in terms of settlement.

In some cases, the Security Council can resort to imposing sanctions or even authorizing the use of force to maintain or restore international peace and security (United Nations Security Council, n.d.).



II. Introduction to the Topic

The San Andreas Fault, a significant tectonic demarcation traversing the central region of California, has persistently remained a focal point of concern for both scientific researchers and inhabitants of the area. Extending over an expanse of roughly 800 miles, this fault possesses the potential to generate a seismic event of catastrophic proportions, one that could result in enduring ramifications with long-term consequences.

In recent years, advancements in scientific research and technology have engendered a more profound comprehension of the fault's behavior and the potential threat it has. This knowledge has prompted experts to reassess and develop existing security protocols in order to reduce the impact of potential earthquakes and ensure the safety of those individuals living in susceptible areas.

III. Evolution of the Topic

The study of the San Andreas Fault and its challenges has evolved over the years, steered by advancements in scientific research, technological innovations, and a growing comprehension of the Earth's tectonic processes. This evolution has led to a more profound knowledge of the fault's behavior patterns, enhanced threat awareness, and the development of more efficacious evacuation strategies.

Recognizing the importance of community preparedness, efforts have been conducted to impart knowledge to the inhabitants residing near the San Andreas Fault regarding earthquake hazards and the vital steps to follow in the event of a seismic occurrence of a similar nature.



Furthermore, public education campaigns, emergency response drills, and the development of personal and community disaster preparedness plans have helped raise awareness and increase resilience within local communities.

As a result of the advent of technological progress, seismic monitoring networks were established to detect and record ground motions associated with seismic events. The development of seismometers and the deployment of these instruments along the fault line, has enabled scientists to gather valuable data on earthquake activity and examinations of the fault's behavior over time.



IV. Relevant Events

A) PANORAMA

The San Andreas Fault marks the boundary between the Pacific and North American plates. This fault system extends from the Salton Sea in the south to Cape Mendocino in the north, spanning over 700 miles (1100 kilometers).

Across an extensive period of millions of years, the San Andreas Fault has significantly contributed to the geographical formation of California. It is accountable for the creation of the Carrizo Plain, the Elkhorn and Panorama Hills, and the distinct alignment of Tomales Bay.

One of the most devastating earthquakes in U.S. history, the 1906 San Francisco earthquake, was caused by the rupture of the San Andreas Fault. The earthquake, with an estimated magnitude of 7.8, which resulted in death toll of more than 3,000 citizens and circa 20,000 people were left homeless in San Francisco and surrounding areas.



B) POINTS OF VIEW

Geological Perspective: From a geological standpoint, the San Andreas Fault is a major fracture in the Earth's crust that stretches over 800 miles (1,300 kilometers) from the northern end of the Gulf of California through western California. It delineates the transform (strike-slip) boundary between the Pacific Plate and the North American Plate. Tectonic movement along the fault has resulted in occasional large seismic events, including the devastating 1906 San Francisco earthquake, the 1989 Loma Prieta earthquake, and the 1994 Northridge earthquake.

Ongoing Research and Understanding: Scientists continue to study the San Andreas Fault to further the comprehension of its behavior and potential hazards. Ongoing scientific inquiries are directed toward diverse facets, including the fault's geological evolution, seismic activity patterns, and the potential for future earthquakes.



Seismic Activity and Earthquakes: The San Andreas Fault is renowned for its seismic activity, with earthquakes occurring along its length. The fault has experienced minor, frequent tremors and infrequent, larger earthquakes. Certain parts of the fault exhibit constant "creep" with minor seismic movements, whereas other sections accumulate strain for extended periods, culminating in major earthquakes. The fault's potential for future seismic events persists as a subject of study and concern.

These studies aim to enhance hazard assessment, migration strategies, and public awareness and preparedness.

V. UN and External Actions

A) UN ACTIONS

- The United Nations Office for Disaster Risk Reduction (UNDRR) collaborates with governments, organizations, and communities to implement the Sendai Framework for Disaster Risk Reduction. This framework aims to reduce disaster risks and build resilience to calamities, including earthquakes, by focusing on prevention, preparedness, and recovery.
- Additionally, the UN's humanitarian agencies, such as the United Nations Development Programme (UNDP) and the United Nations Children's Fund (UNICEF), provide support in post-disaster situations, including earthquake response and recovery efforts.



These agencies work with local authorities and communities to provide emergency relief, rebuild infrastructure, and support long-term recovery and resilience-building initiatives.

B. EXTERNAL ACTIONS

Various scientific organizations, such as the United States Geological Survey (USGS), have conducted extensive research and external monitoring of the San Andreas Fault.

This encompasses investigating the fault's dynamics, seismic patterns, and prospective earthquake vulnerabilities. Moreover, it operates seismic networks, monitors ground deformation, collects data to better understand the fault's behavior, and provides early warning systems.

- The National Science Foundation (NSF) and the USGS initiated the SAFOD project in **2004**. The project entailed the excavation of a profound hole into the San Andreas Fault near Park Field, California, to install instruments directly within the fault zone, which allowed scientists to investigate the physical and chemical processes governing earthquake genesis within an active context (USGS, n.d.).



VI. Conclusion

Enhancing security protocols for the potential opening of the San Andreas Fault involves a multi-faceted approach that includes scientific research, seismic codes and regulations, individual and collective disaster preparedness, infrastructure improvements, public awareness, and collaboration among various organizations.

Scientific research and monitoring efforts, led by organizations like the United States Geological Survey (USGS), have provided valuable insights into the fault's behavior and seismic activity, which serves as a fundamental basis for guiding the development of preparedness and response plans developed by local, state, and federal agencies, alongside community organizations. However, external actions related to the San Andreas Fault are crucial for enhancing resilience and reducing the potential impacts of future earthquakes.

VII. Committee Focus

Delegates must address the security challenges and risks associated with the potential opening of the fault, emphasizing the assurance of safety and protection of human lives, critical infrastructure, and the environment.

Delegates will collaborate to develop strategies, policies, and frameworks to enhance security protocols for the preparation and response to seismic events.

When considering the possible solutions to the committee's topic, the following points must be considered:

- In the event of an opening along the San Andreas Fault would my delegation be affected? What might be the potential ramifications or repercussions for my country, in terms of casualties and injuries?

- What security protocols does my delegation have for the potential incident or other seismic events?
- What specific ongoing studies and monitoring efforts are being conducted by my delegation's country to enhance a better understanding regarding the fault's propensity for impending seismic activity?
- Is my delegation engaged in any governmental initiatives pertaining to this issue?
- How can we promote public awareness and education about the potential risks and security protocols related to the San Andreas Fault?



VIII. Participation List

1. The Argentine Republic
2. The Commonwealth of Australia
3. Federative Republic of Brazil
4. Dominion of Canada
5. People's Republic of China
6. Republic of Colombia
7. Republic of Costa Rica
8. The Republic of Ecuador
9. Republic of El Salvador
10. French Republic
11. Federal Republic of Germany
12. Republic of India
13. The Italian Republic
14. Japan
15. United Mexican States
16. Republic of Peru
17. Republic of the Philippines
18. The Portuguese Republic
19. Russian Federation



20. The Republic of Korea
21. Kingdom of Spain
22. Kingdom of Sweden
23. Republic of Turkey
24. United Kingdom of Great Britain and Northern Ireland
25. The United States of America



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