

PAPER PRESENTATION CERTIFICATE

NOVEMBER 18 ~ 19

VENUE: ZURICH, SWITZERLAND

THIS IS TO CERTIFY THAT MR./MS./DR	Wulfrano Arturo Luna-Ramírez	FROM
Universidad Autónor	ma Metropolitana-Cuajimalpa, Mexico	HAS
	Facing Earthquakes in Mexico City: An Education	
Strategy to Promote Prevention Aw	vareness	

AT CONFERENCE ORGANIZED DURING NOVEMBER 18 ~ 19, ZURICH, SWITZERLAND.

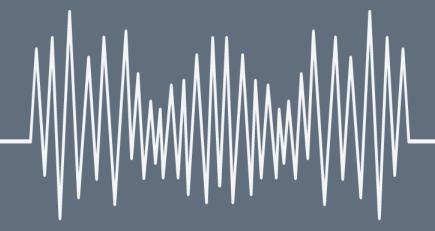


GENERAL CHAIR / SESSION CHAIR, EDUPT 2023.

Suffery.







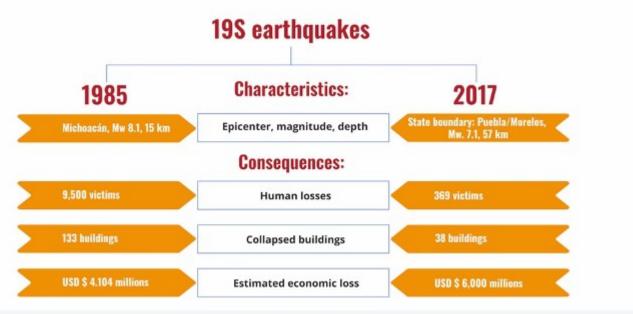
Introduction

earthquakes and preparedness/education

1

19S earthquakes: characteristics and consequences

INTRODUCTION





2

Stages of cognitive development

JEAN PIAGET

We focused

Second phase of concrete operations (9 to 12 years old)



Think before you act



Creation of conclusions



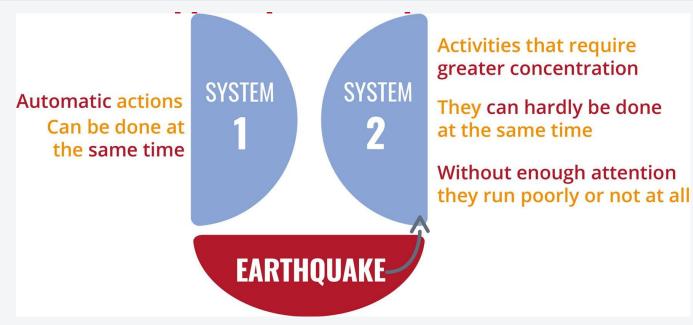
Other's opinions matters

Prevention habits



3

Practical and intellectual thinking KAHNEMAN





Materials and Methods

risk prevention/children mindset



Significant terms from children

WORD CLOUDS







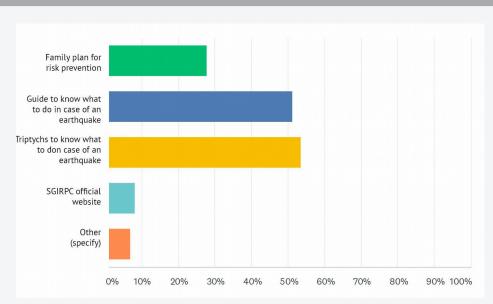
a) earthquake, b) drill and c) seismic alert



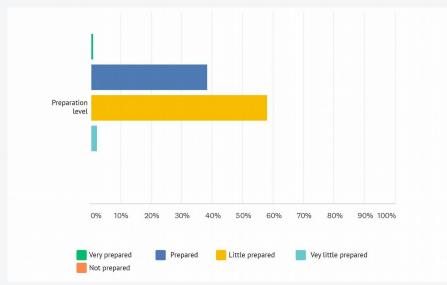


Perception and knowledge

Adults and children



Superficial familiarity with the official educational materials



Over 60% lack of preparedness and inadequate readiness to face seismic emergency

Children's preferences

-Children like stories / feel like experts

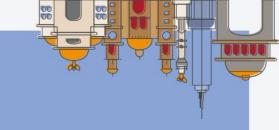
-Digital activities are not necessary

-They like physical movement and getting benefits

-They prefer quick, concrete, and small group activities

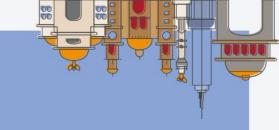






The adopted process for this project is rooted in agile development principles and encompasses four steps tailored to the collaborative work procedures that align with the project's specific requirements:

- 1) Planning
 - a) The determination of the data or knowledge to be examined.
 - b) Categorization of information. Four primary topics/subtopics
- 2) Design
 - a) Planning of the learning task according to the goal or objective.
 - b) Selection of resources to disseminate the information.
 - c) Design of activities for discerning the clarity of the issues expressed in the information resources.



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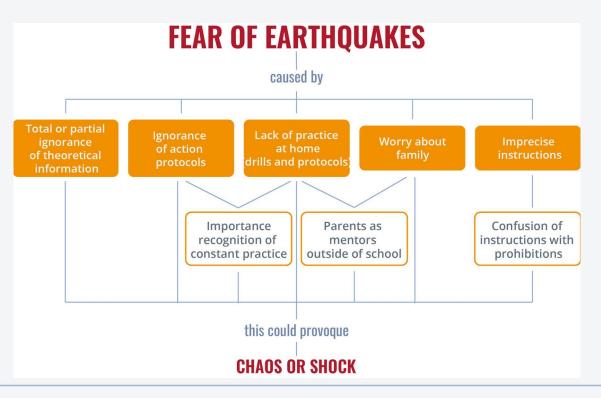
- 3) Implementation
 - a) Preparation of resources and activities —degree of organization, abstraction, and synthesis of information
 - b) Production of face-to-face and digital resources and activities
- 4) Test
 - a) Exhibition of resources and activities, team testing
 - b) Evaluation and feedback from the team





Mapping of children's needs during seismic situations

Agile development of resources and activities







The agenda that was identified during the workgroup sessions





Going from chosen subjects to evaluation activities

CONTENT CURATION

Chosen subjects

Information channels

Evaluation activities

Geological phenomenom

Evacuation procedures / sheltering against walls / Identification of safe and hazardous zones

Full identification of the signage and significance

Content of survival backpack

Four formats: comic, video, infographic and text

Four formats: comic, video, infographic and text

Only video and infographic

Only video and infographic

Completing sentences with missing term

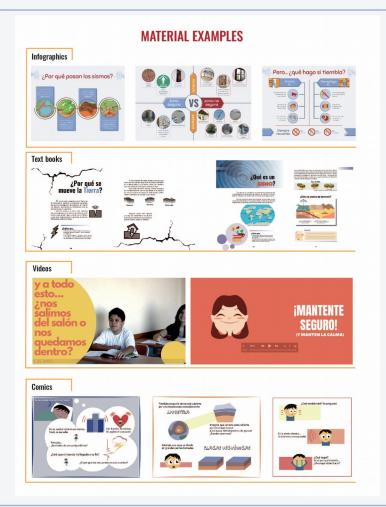
True or false

Drawing signs for their homes and placement in situ

Choose the correct survival backpack supplies







Agile development of resources and activities

Content curation for material used in workgroup sessions (in Spanish)











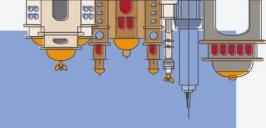


WORKING GROUPS









How did you feel with the activities?

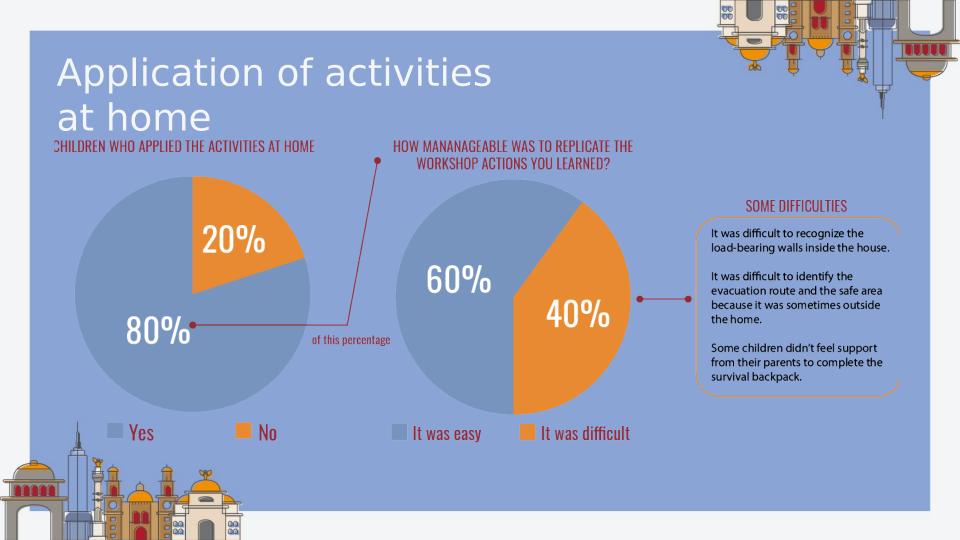
children

- "They are fun"
- "The information is much easier to understand than the school books"
- "We never see that at school, so I liked the activity"

their parents

- "All the children seemed very interested and encouraged to continue learning at home"
- "50% set up **signaling at home**"
- "Others were encouraged to fill their children's life backpacks"
- Dad/Mum: do you know ...?





Results

prevention workshop/manual





The Manual

Basic information

Notepad

¡You'll learn all this!

1 N What's going on?

Geological phenomenon

What should I do?

Evacuation and sheltering against walls Identification of safe areas Security actions and positions

3 What do I need to be prepared?

Survival backpack and first aid kit Signage recognition

⁴Who can help me?

Institutions and their role Emergency contacts

Examples of theoretical/practical activities

Suggested materials





¡Aprendamos a prevenir!

MANUAL PARA UNA JORNADA De prevención con Simón Sismón







¿Qué pasa con los sismos?

os sismos son las vibraciones le la tierra ocasionadas por la roropagación en el interior o en a superficie de ésta, de varios ipos de ondas. Terremoto o temlor son sinónimos de la palabra

1

Actividad práctica

- En la siguiente página encontrarás cinco frases que deberás completar con base en la información que leíste acerca de los sismos en México.
- Trata de responder sin volver a leer la información. Si no te sientes seguro, puedes responder con lápiz.
- 3. Cuando termines, vuelve a leer la sección ¿**Qué pasa con los sismos?** y revisa que tus respuestas sean correctas.
 Si te equivocaste, corrige la respuesta.
- 4. Por último, lee las oraciones completas.

1)	Laes una capa gruesa de roca fragmentada en placas tectónicas.	
2	Lasconstante movimiento	están en
3	Si cuando se mueven para acomodarse chocan demasiado fuerte, se produce un	
4)	México se encuentra sobre placas tectónicas.	
5	La placa Sudamerican bajo nuestro país.	a se mueve

Sugerencias

- El lenguaje y la forma de presentar la información a los niños puede ser modificada. Puede ir desde infografías, diagramas, cuentos o videos dependiendo de la edad de los niños.
- Si se trabaja con grupos de más de 10 niños se sugiere dividirios en equipos y escribir las fraises en un pisarrón, cartillina, lona, est, untras vece con equipos hays. Se lecerá la frase sin respuesta en voz alta y un niño de cada equipo debará escribir la(p) paladro/[faltante(t)] del misma. Después acercibir a(p) paladro/[faltante(t)] del misma. Después compararán y corregirán en caso de ser necesario y continuarán con la siguiente frase hasta terminarlas.
- Si se considera que son muy pocas frases y/o muy fáciles se pueden agregar más o modificar la complejidad.
- Se pueden crear opciones de respuestas para cada frase con la finalidad de agilizar la actividad.

Availability and Add-ons

- Printed/digital
- Link to download the materials



We are looking for the earthquake *kata* all people can perform

Earthquakes happen, so does preparedness

We endeavour to underscore the significance of preparedness for potential risks, thus promoting the establishment of a **culture centered on risk** in the Mexican populace starting since childhood



Acknowledgements

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Any questions?

