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Workshop | Visual Information for Emergency

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Workshop | Visual Information for Emergency

A workshop to explore and prototype
the design of information,
using Guemil icons for emergency.

Outline

30 min

Intro

90 min

DIY Visual Information

60 min

Discussion + Comments

Emergency: A disruptive situation that transforms the expected course of an event. Both personal and collective relationships become affected, altering what is considered a **normal experience.**



Emergency is a complex scenario with large information needs



Design & Emergency?



Design: To create, develop and implement solutions for someone's problem or needs.
It's a multi-dimensional field.

Ideally, 'good' design might be **honest, democratic, attractive and functional**.

Based on Design to Improve Life (2015)

What is Information Design?



Information Design (ID): A multi-disciplinary field that embraces different topics related with effectiveness in communication applying visual methods.

ID has been defined as the 'art and science of preparing information to be used by human beings with **efficiency and effectiveness**'.

According to Horn (1999)



See

User-centred

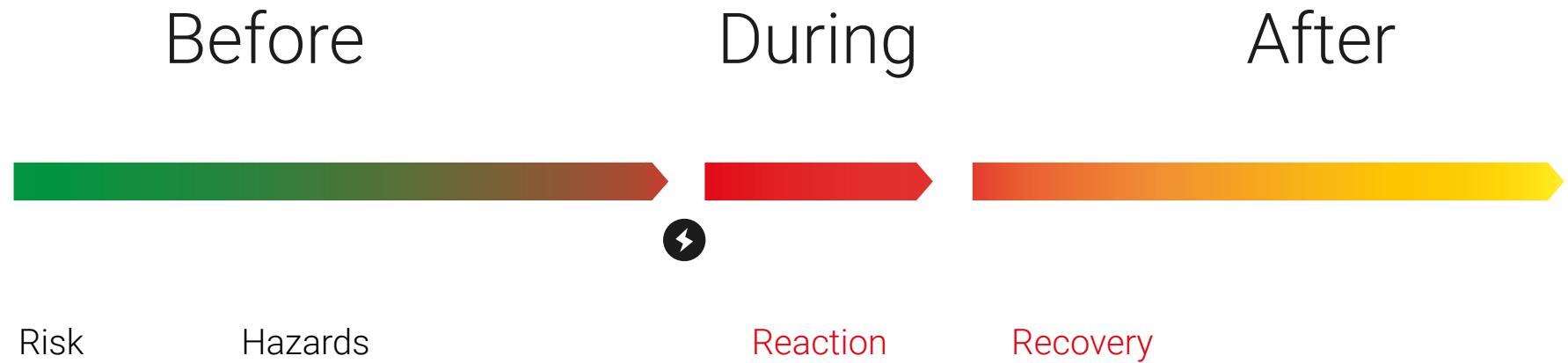
Understand

Apply Information

A response to people's need to 'understand and use' everyday information, contributing to '**make the complex easier to understand and to use.**'

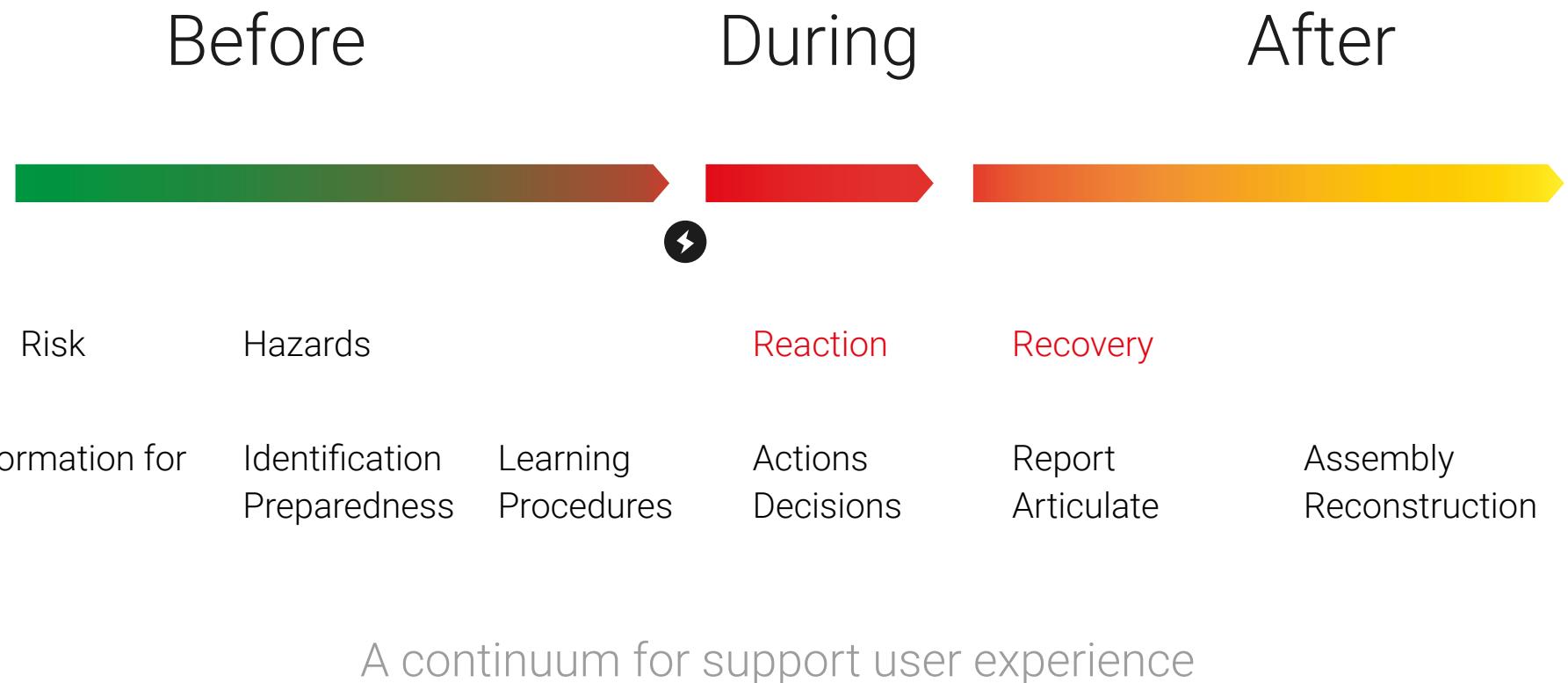
Based on Barrat & Walker 2005; idX, 2007; Allard, Briones et al 2014

The Emergency Experience



Based on Disaster Risk Management Cycle, DRMC by TorqAid, 2016 / Ramírez, 2018

The Emergency Experience + ID



Based on Disaster Risk Management Cycle, DRMC by TorqAid, 2016 / Ramírez, 2018

Guemil icons for emergency

An open source icon initiative to represent risk and emergency situations.
www.guemil.info



Before

During

After



Why icons?



Why icons?



?

Visible

Why icons?



?

Visible



+

+

+

+

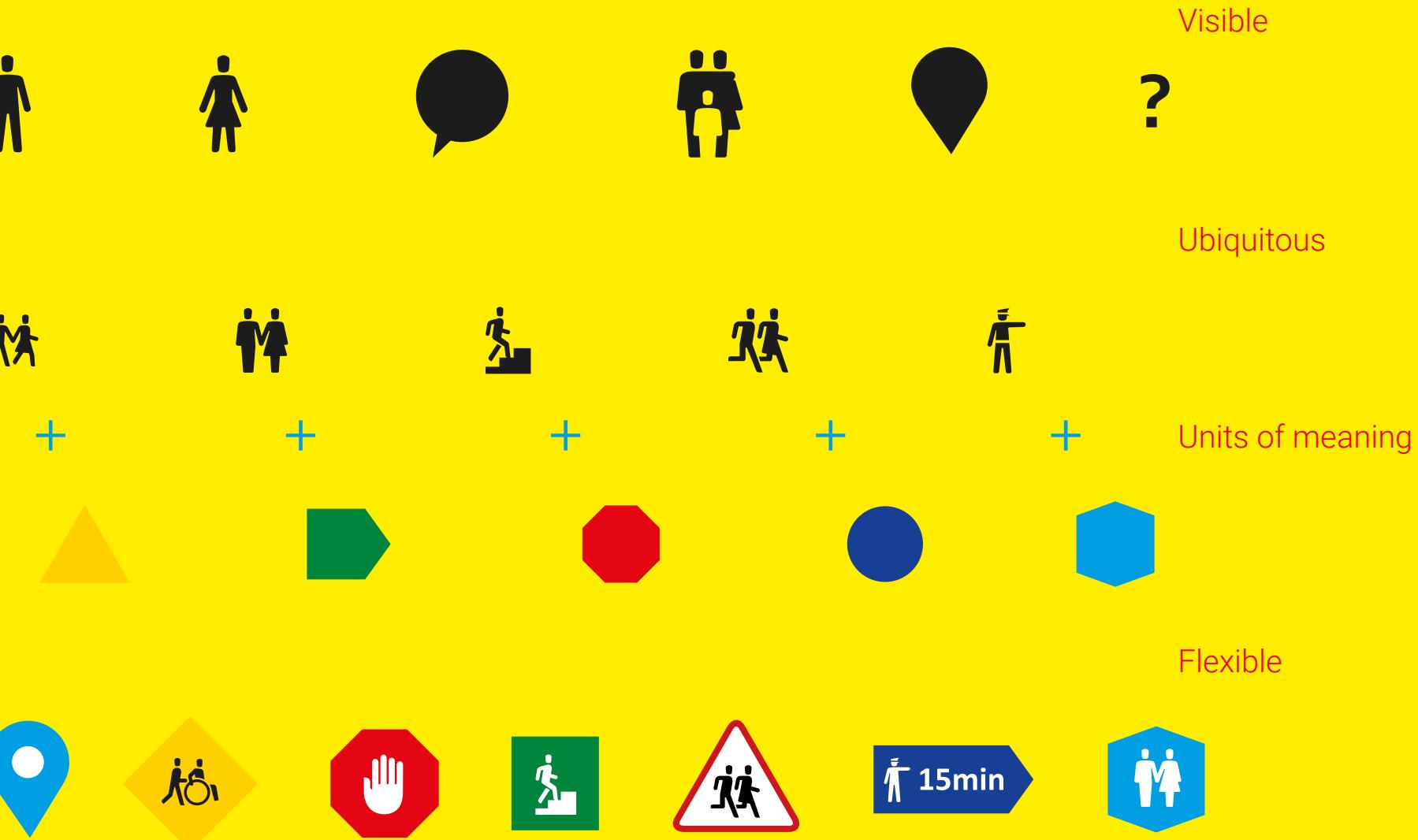
+

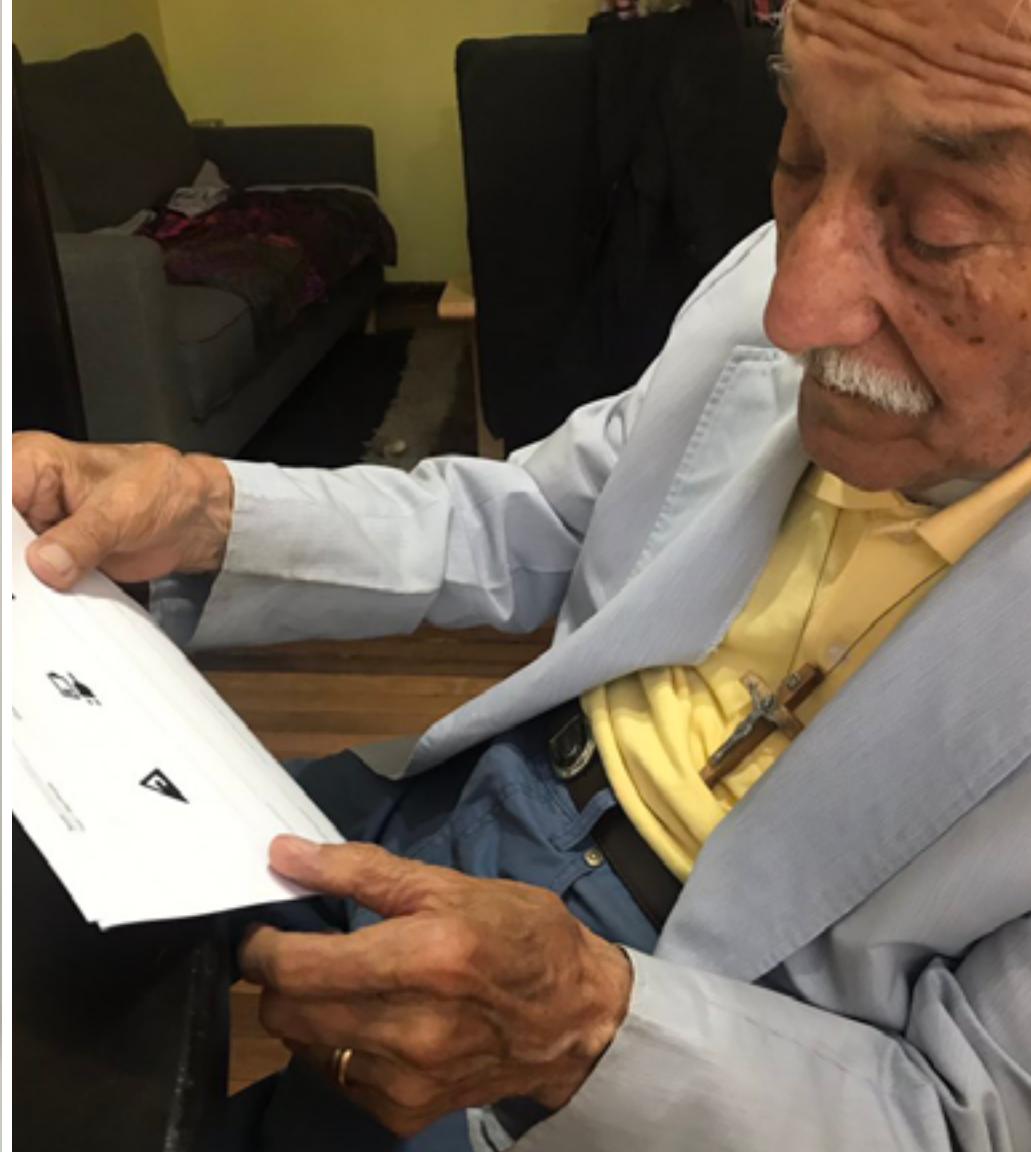
Ubiquitous



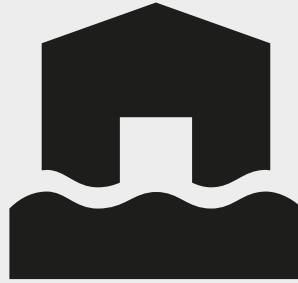
Units of meaning

Why icons?





...but, universal?



這個圖標是什麼意思？

A simple input field consisting of a horizontal black border with a small vertical cursor line on the left side.

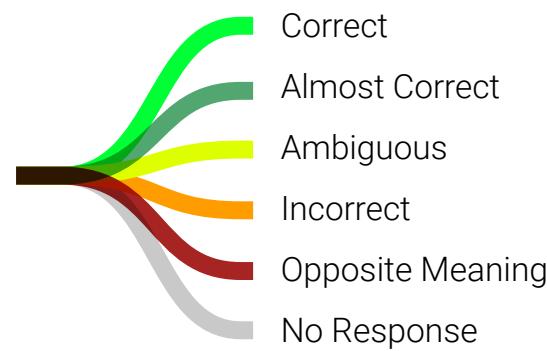
What if we ask to users?

Measuring performance

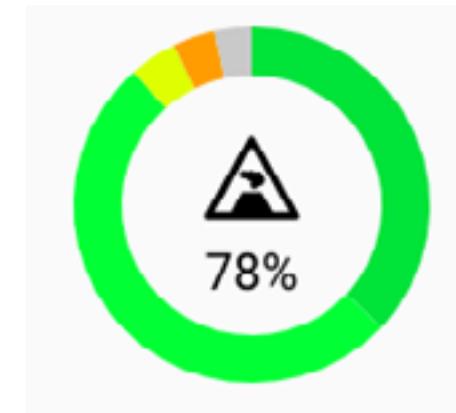


Amenaza volcánica?

Open
Answer



Icon



Meaning performance

72 icons tested / KPI: Meaning + Differences

Based on Brugger, 1999; Olygay, 2003; ISO, 2007; Frascara, 2011

Meaning

Based on test for Guemil Project, icons for emergency

Resultados de Significado

Basados en los test del Proyecto Guemil, iconos para la emergencia



Help us to test Meanings





Testing Guemil

Differences

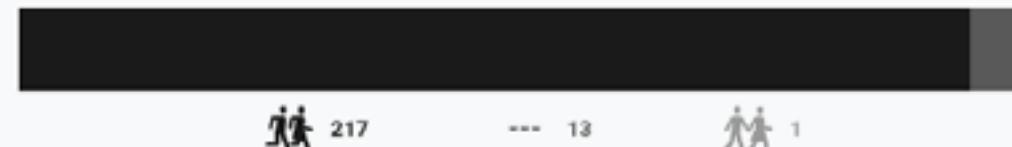
Based on the test for Guemil Project, icons for emergency.

Diferencias

Basados en los test del Proyecto Guemil, iconos para la emergencia.

Evacuate Fast TOTAL: 231

Evacuar Rápido



Meeting Point TOTAL: 239

Punto de Reunión



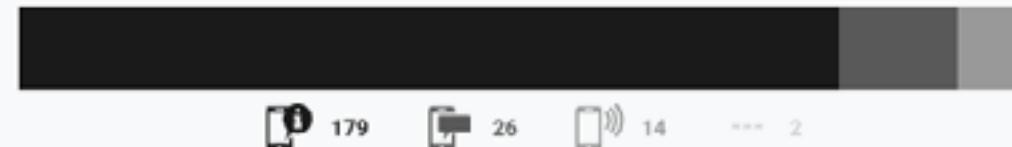
Shelter TOTAL: 224

Refugio



Mobile Information TOTAL: 221

Información por teléfono móvil



Way Out TOTAL: 214

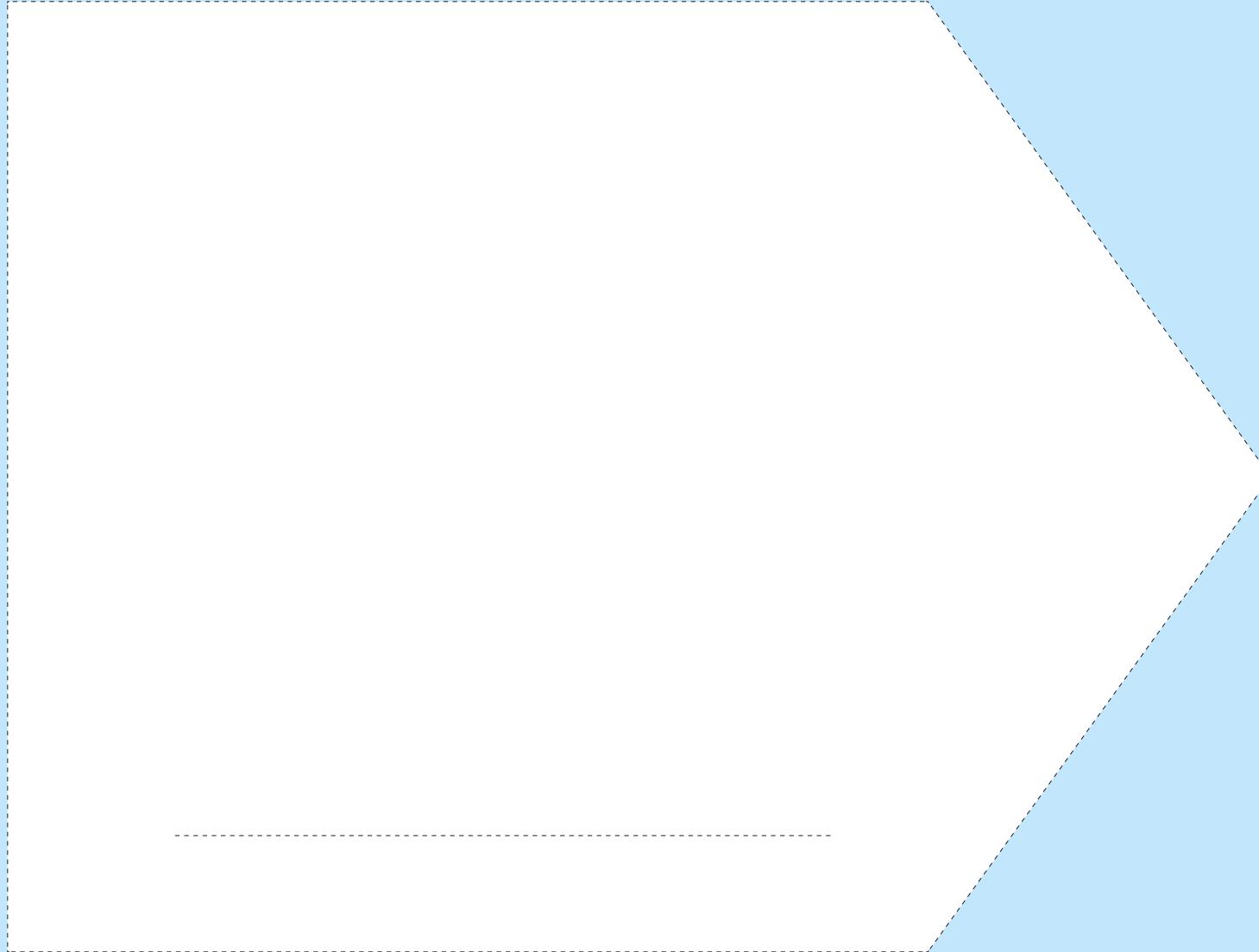
Salir Fuera



Help us to test Differences



Workshop: Visual Information for Emergency



Step 1 • Define Context + Users



What is the emergency scenario?
Who is the user?
What they would need as information?

Step 1 • Ideate a Sign



Symbol 1

Step 1 • Ideate a Sign



+



+

Vertical

Symbol 1

Symbol 2

Text

Step 1 • Ideate a Sign



+



+

Vertical

=



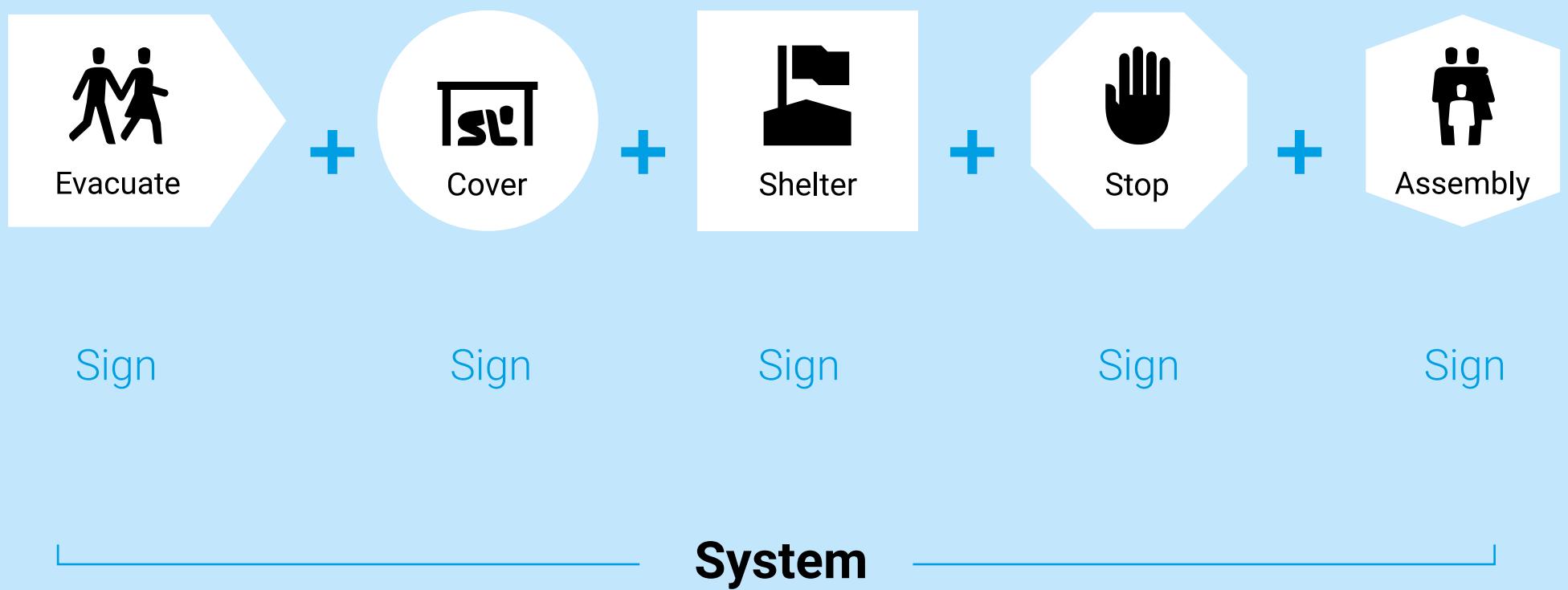
Symbol 1

Symbol 2

Text

Sign

Step 3 • Design an Info System





Do it yourself!



min

TSL

Yes!



Evacuate



Prohibited





min



Discussion & Comments

¡Gracias! Thanks!



Evaluating results

This is a fast checklist for a process that takes longer and is far more intricate than a 30-minute workshop.

Achieving a balance between beauty, function and usability performance is a hard task: A good [info] design takes time!

Design + Performance

Visible?	<input type="checkbox"/>	Consistent?	<input type="checkbox"/>
Legible?	<input type="checkbox"/>	Comprehensible?	<input type="checkbox"/>
Attractive?	<input type="checkbox"/>	According to User Needs?	<input type="checkbox"/>
Clear Message?	<input type="checkbox"/>	Appropriate to Context?	<input type="checkbox"/>
Calling to action?	<input type="checkbox"/>	Adaptable?	<input type="checkbox"/>

