

Warning Processes for Environmental Hazards Across Asia



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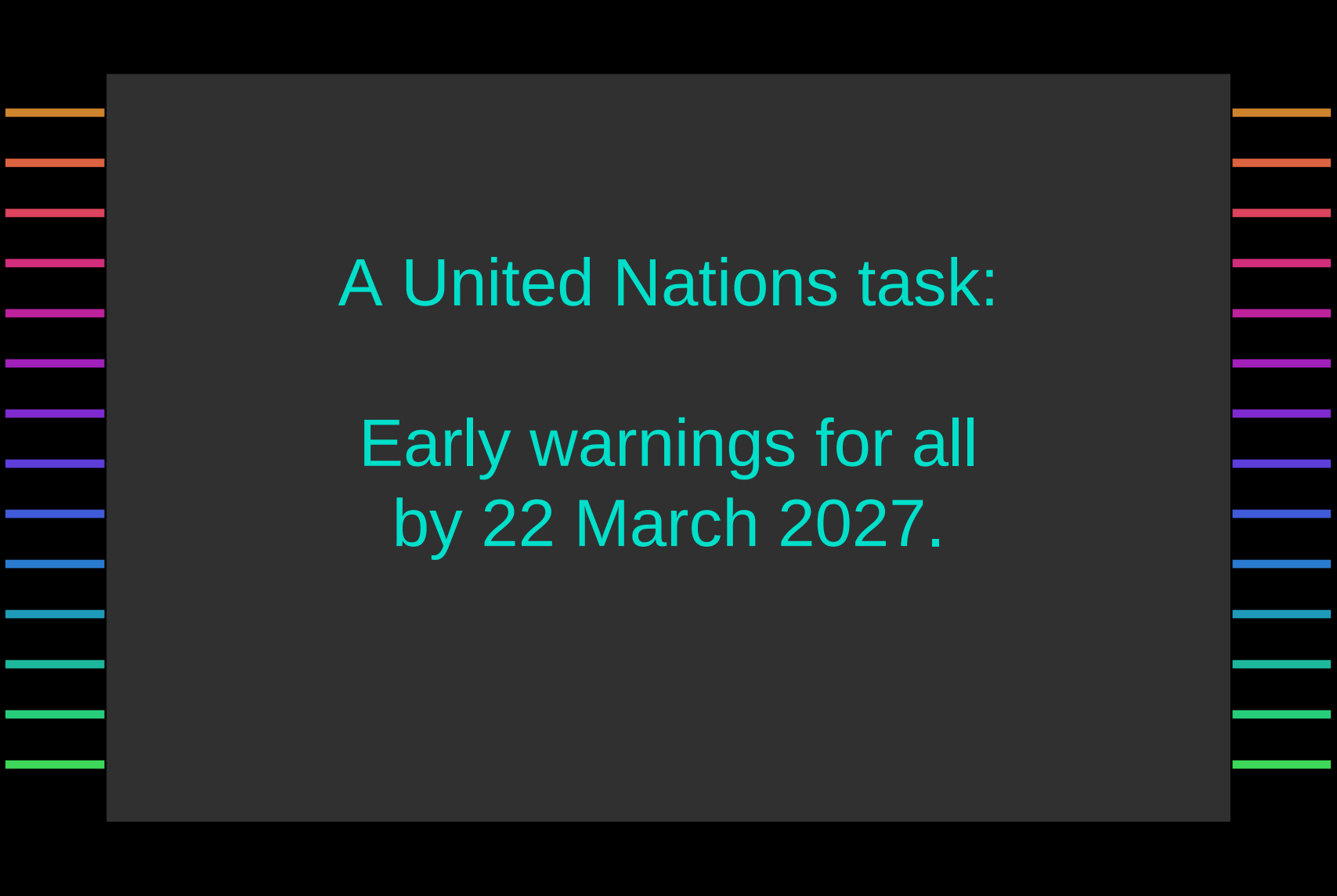
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Warning Research Centre

The Warning Research Centre (WRC) at UCL is unique in bringing together global expertise to explore the role of warnings in managing vulnerabilities, hazards, risks, and disasters.



A decorative vertical bar on the left and right sides of the slide, composed of horizontal stripes in a gradient of colors: orange, red, pink, purple, blue, green, and yellow.

A United Nations task:

Early warnings for all
by 22 March 2027.

Warnings do not always succeed

- Inadequate data and analysis.
- Insufficient information flow.
- Lack of training and personnel.
- Poor communications.

Early Warning Systems (EWS)

- Early warning
→ and late warning.
- Warning systems
→ and warnings.

Example from Asia



Multi-Hazard Early Warning Systems (MHEWS)

- Disasters are not from hazards.
- Avoid the phrase “natural disaster”.
- All-Vulnerability Warning Systems (AVWS).

Perspective

From multi-hazard early warning systems (MHEWS) to all-vulnerability warning systems (AVWS)

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SUMMARY

Science, policy, and practice have long accepted that disasters occur due to vulnerabilities rather than hazards, yet approaches to warnings still tend to be hazard-focused. Multi-hazard early warning systems (MHEWS) are meant to provide warnings for many hazards, whether sequential, simultaneous, or cumulative,

Example from Asia



Thailand

Warnings are about people and contexts



Maldives

First mile (not the last mile)

- Ask people.
- Support people's needs.
- We are “people”.
- “For all” includes us.

Example from Asia

Notification Centre



Public Safety Alert

1h ago



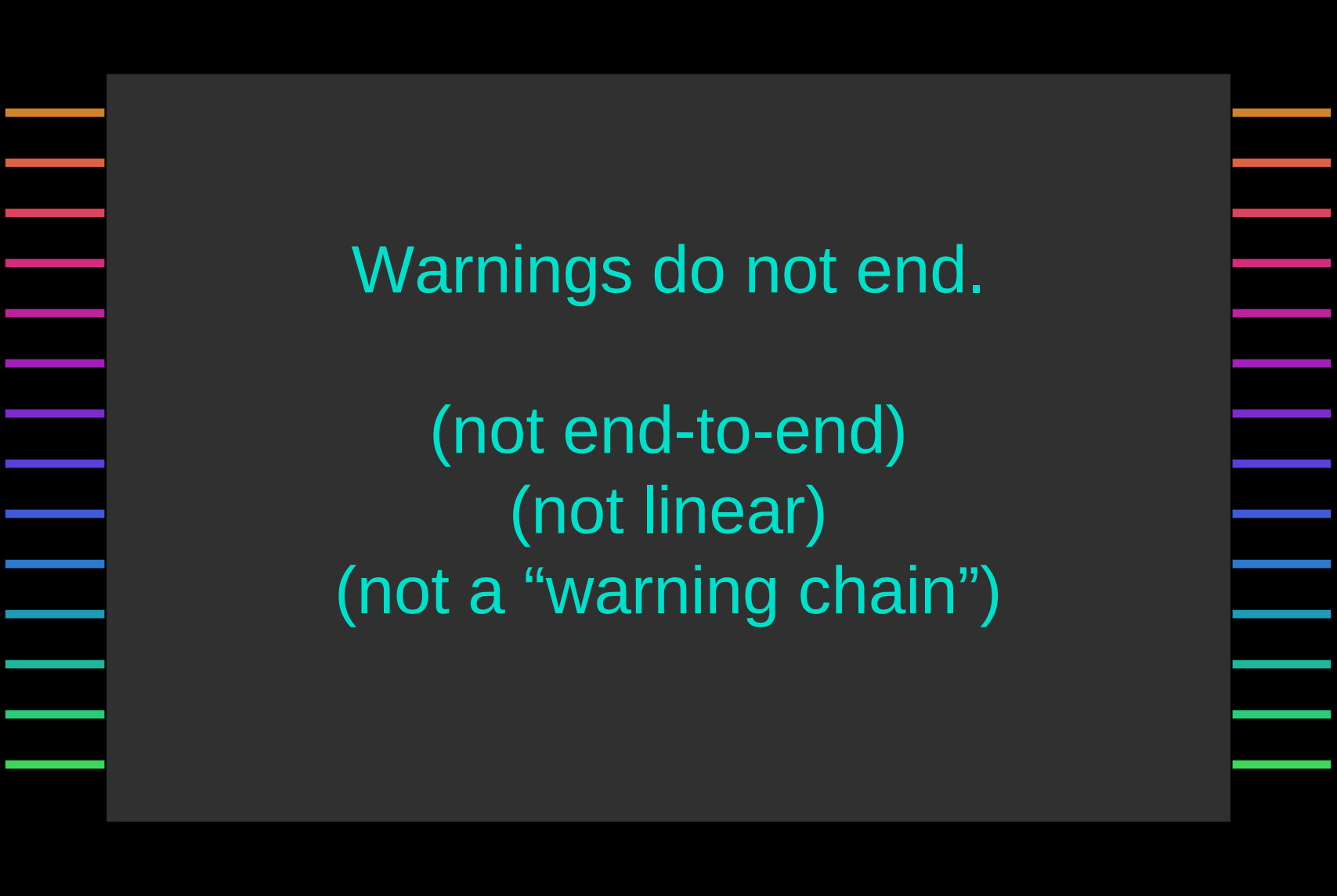
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Example from Asia



Taiwan

The slide features a dark gray background with a central text area. On the left and right sides of this area, there are vertical columns of horizontal lines. Each column contains 15 lines, with colors transitioning from orange at the top to red, pink, purple, blue, and green at the bottom. The text is centered within the gray area.

Warnings do not end.

(not end-to-end)

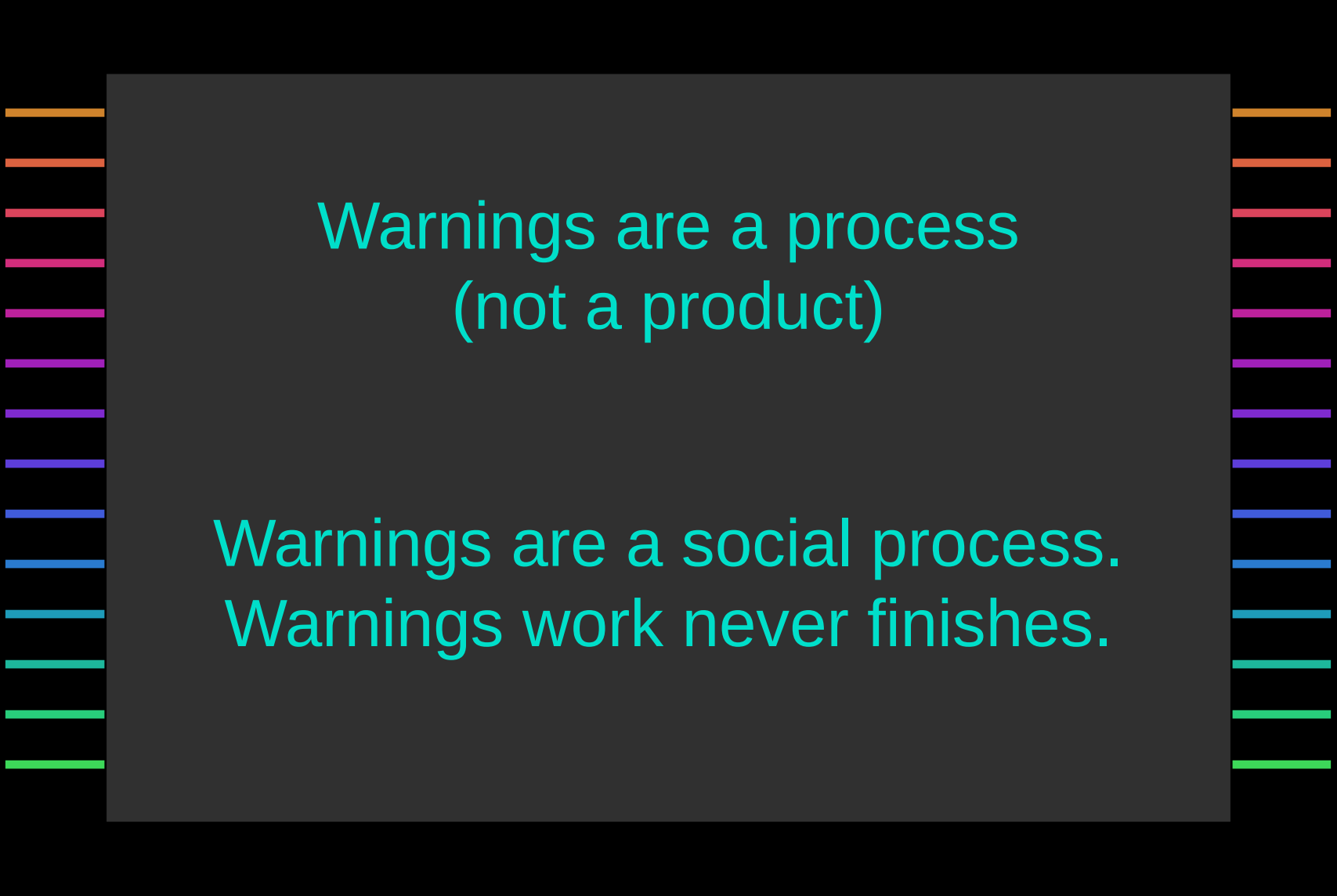
(not linear)

(not a “warning chain”)

Example from Asia



Japan

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Warnings are a process
(not a product)

Warnings are a social process.
Warnings work never finishes.

Disaster by Choice



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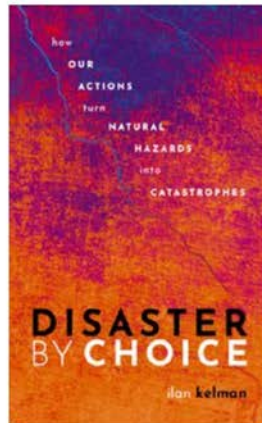
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Description

Table of Contents

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- Explores how we can and should act to stop people dying when nature unleashes its powers by asking what can be done to prevent or avoid disasters
- Considers the social, political, and economic factors involved in our decision making around natural hazards

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