



Opportunities, challenges
and gaps of EW4All

An orange rectangular sign with black text is hanging from a metal chain. The sign is positioned in front of a green-painted wooden structure, possibly part of a boat or a viewing platform. In the background, there are posters on a wall, including one showing a diver and another with the word 'CAN' in large yellow letters. The sign's text is as follows:

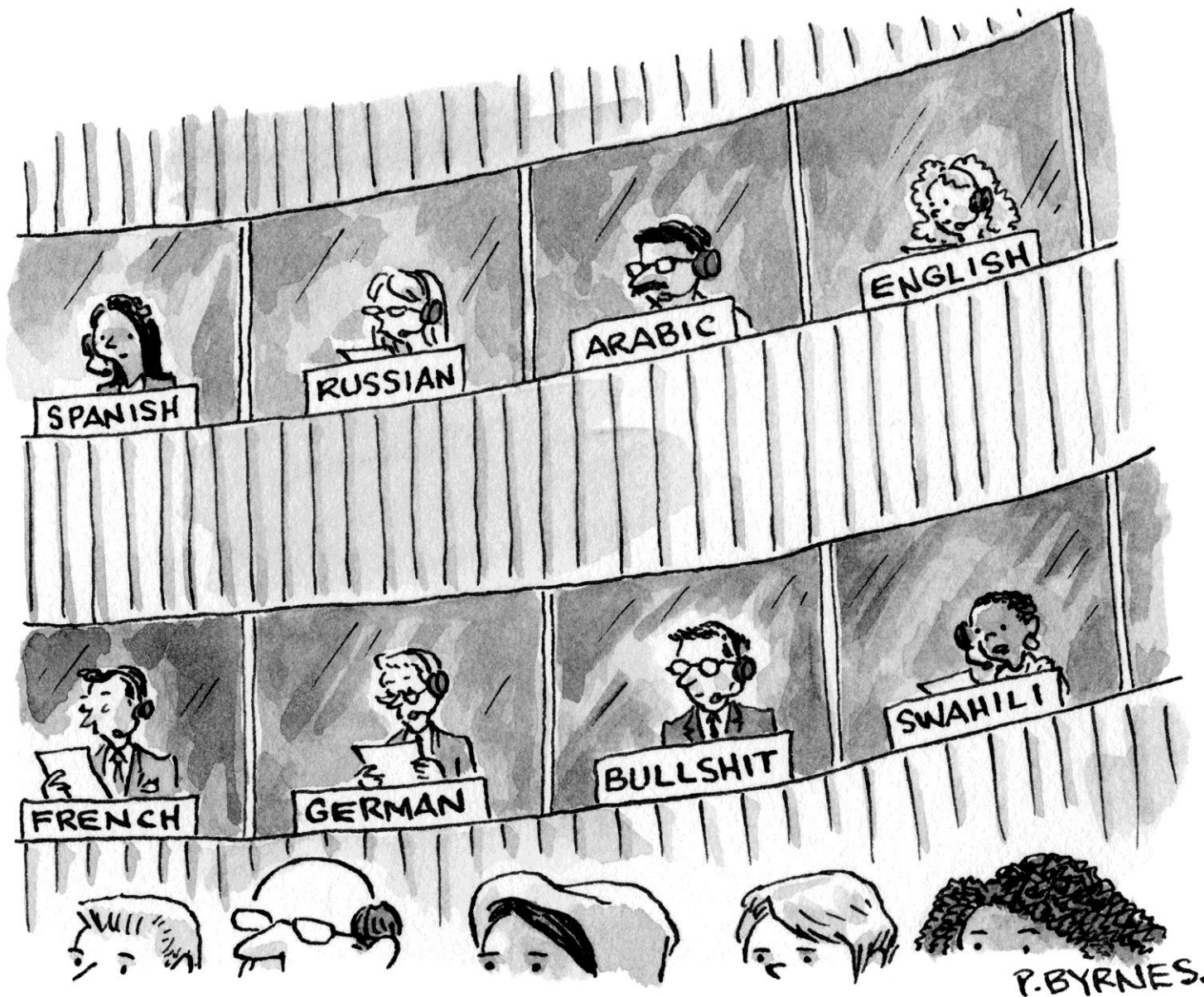
**TOURS
VOLCANO
TO NIGHT
ERUPTION
START - 5PM**

As volcanologists we laugh when others talk about 'multi-hazard' EWS...you lot (point at (a friendly) meteorologist) have no idea what we can do: imagine forecasting flooding, hurricane, storm surge, dust storm, snow and a drought at the same time... and place...we have the most difficult challenge!

All statements are designed to be provocative and don't necessarily represent the views of the EW4All organisations



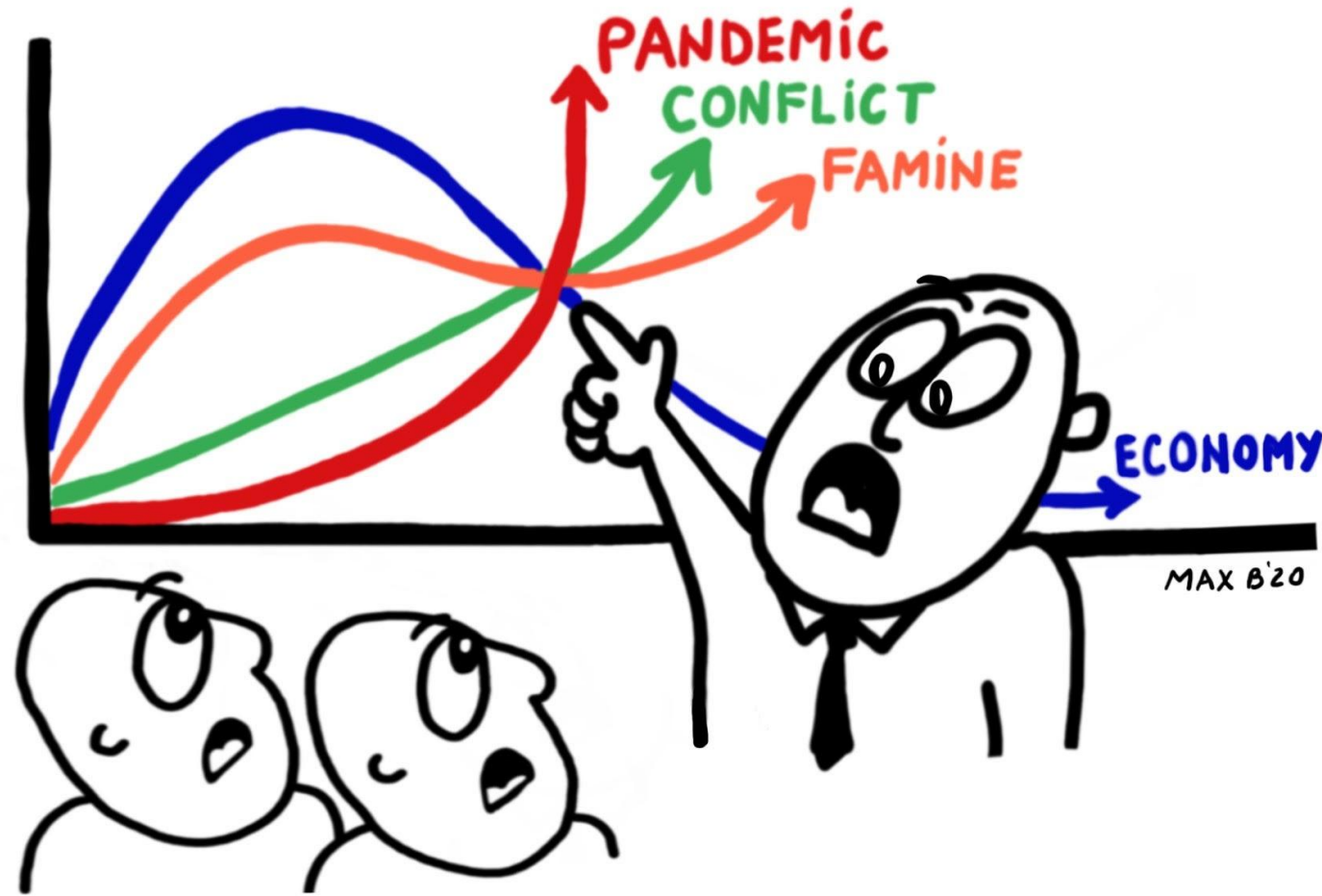
“Legs, Igor, legs! Why does everyone keep sending us brains?”



P. BYRNES.



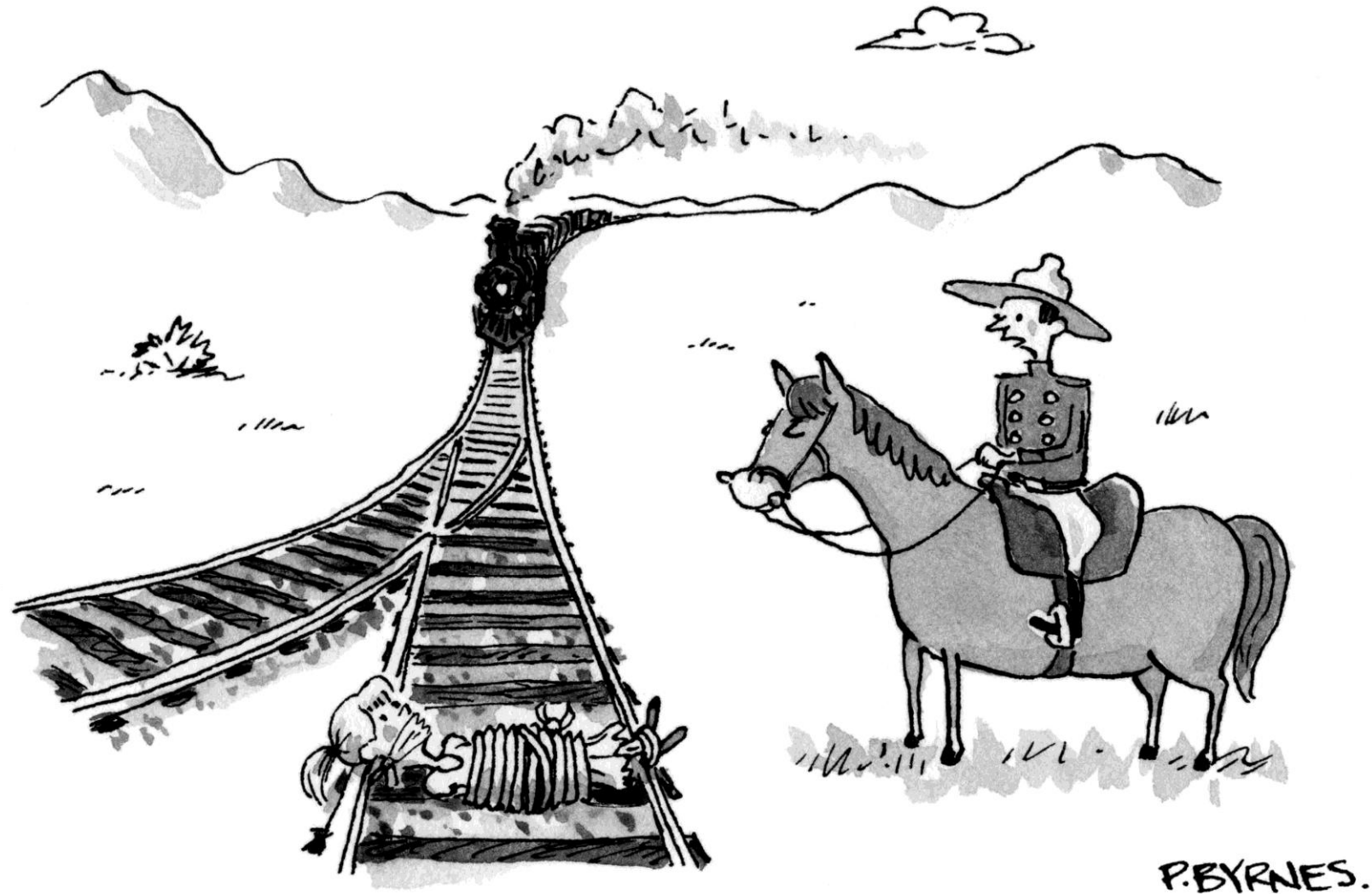
“It kinda rolled, but not really.
I say we give up.”



- The disasters are collaborating better than we are!

Either the UNSG set up unfair expectations by announcing an initiative without additional funding, or EW4ALL is the biggest policy opportunity we've had in our lifetime to make progress in this area

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"But if it goes the other way, I'll have gotten off my horse for nothing."

*community knowledge is
imprecise and un-useful for
decision making because it isn't
collected using scientific
methods*

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“As the other white male in the room, I think it is safe for me to say: These people know what to do. You should listen to them.”



“These are the people who know all the science, the history, the plans, the community, the leaders, and the resources, and who have only been waiting for you to come and tell them what to do.”

*If 'they' (people at risk) know
what 'we' know, they will do
what 'we' do*

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*Better forecasts/warnings for
volcanic hazards are the most
effective risk reducing action*

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*The disaster risk management cycle
(risk reduction, preparedness,
response, recovery) makes it very
difficult for volcanologists...if only it
were this simple. We have 'crises'
before there's any hazards and we're
very bad at articulating that.*

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It's difficult to trigger an evacuation (or other risk reducing behaviour) until there are observed volcanic phenomena. (sorry geophysicists...)

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“I’m from the late warning system.”

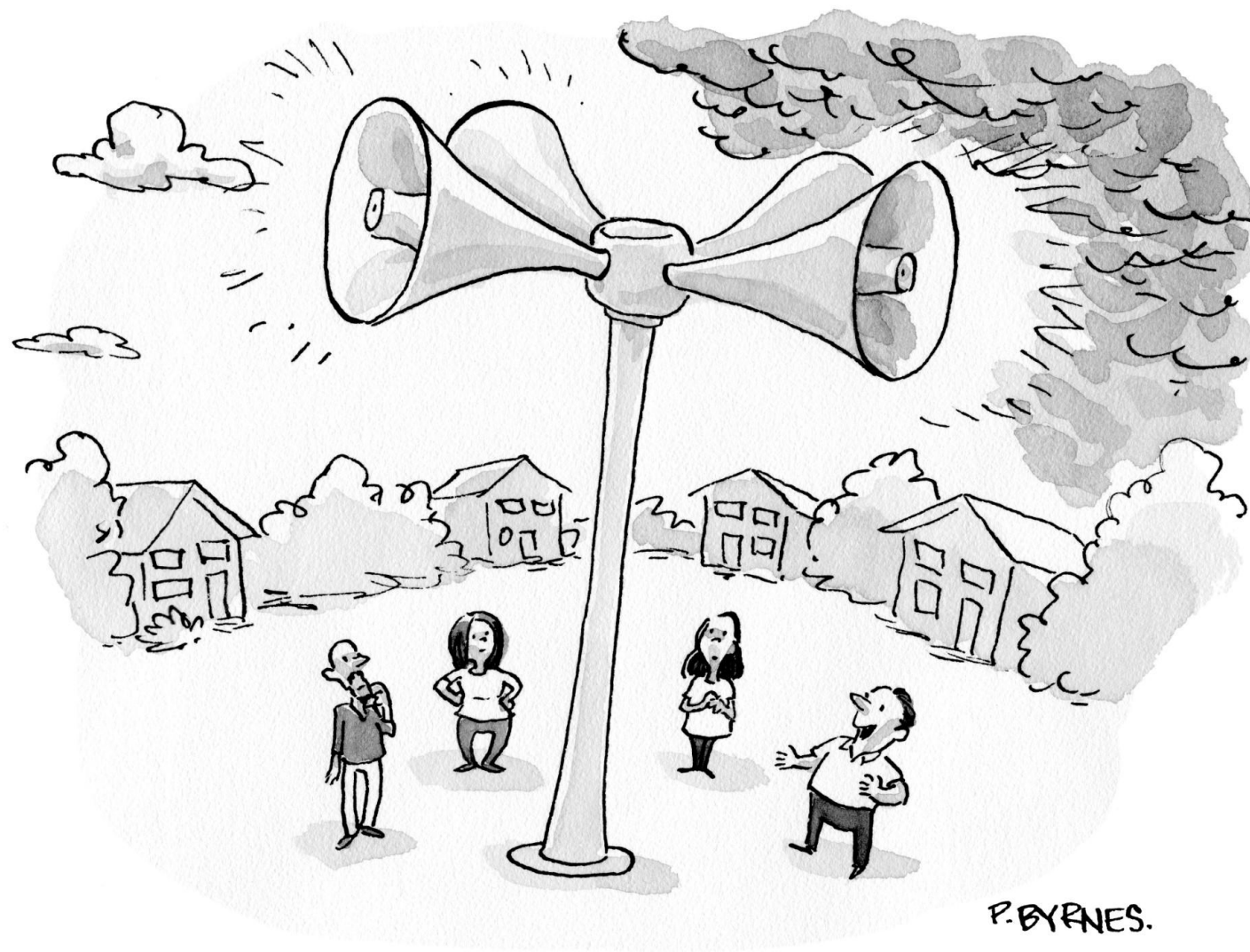
*Evacuations (limiting exposure) are
the most effective early or
anticipatory action for most volcanic
hazards*

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*Early warnings without early
action from authorities or
humanitarians are pointless*

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“It works! The early warning system works. Now if only we knew what to do when the siren goes off.”

*We should reframe lahars as
'climate exacerbated hazards' and
get access to adaptation funding*

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Volcanologists are generally inadequately trained to understand and manage crises and should limit their engagement to providing advice to civil authorities i.e. they should limit direct engagement with the public

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Without social justice...even the best warning will fail...

