



TABLE GUIDE • TUE 20 OCTOBER 2026

Hack for *Humanity*

Tonight you have about two hours to build an AI prototype for a natural disaster our region faces. Pick one challenge, pick at least one phase of the crisis lifecycle, and use real data to show how AI helps.

Tonight THE AGENDA

18:00 Doors open and networking	18:30 Welcome and challenge briefing	18:45 Team up and build	20:45 Demos	21:15 Judging and wrap-up	21:30 Closing
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Your *mission* ONE CHALLENGE × AT LEAST ONE PHASE

① PICK A CHALLENGE

Wildfires 38 events ☐	Water crises 59 floods ☐	Air quality heat · dust ☐	Earthquakes 89 events ☐	Droughts 8 + heat ☐
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② TARGET AT LEAST ONE PHASE OF THE CRISIS LIFECYCLE

1 Predict ☐ AI forecasting, early warnings and risk detection FOR EXAMPLE A wildfire risk score per neighbourhood from heat and wind history	2 Prepare ☐ Community readiness, resource mapping and stress testing FOR EXAMPLE An earthquake readiness checklist bot that maps shelters and kits	3 Respond ☐ Live emergency communication, alert systems and routing FOR EXAMPLE Multilingual flash-flood alerts with safe-route directions	4 Rescue ☐ Search-and-rescue help, drone mapping and rapid dispatch FOR EXAMPLE Triage of help requests into a ranked dispatch queue	5 Recover ☐ Damage assessment, rebuilding plans and crisis restoration FOR EXAMPLE Damage estimates from photos plus a rebuild priority list
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③ WRITE YOUR ONE-LINE PROBLEM STATEMENT

For _____ facing _____,
in the _____ phase, we build _____
so that _____.

Your *two hours* A BUILD PLAN THAT FITS 18:45 - 20:45

18:45 - 19:05

Pick and scope

- › Choose the challenge and phase
- › Name one real user you help
- › Fill in the statement above

19:05 - 19:20

Explore the data

- › Scan the QR codes on the back
- › Filter the table to your hazard
- › Download the CSV you need

19:20 - 20:20

Build the smallest thing that works

- › One screen, one flow, one result
- › Use Amazon Bedrock for the AI
- › Fake what you must, label it

20:20 - 20:45

Freeze and rehearse

- › Stop adding features
- › Run the demo end to end twice
- › Check the judging criteria on the back

Build on *real data*

Disaster map

jerusalem.ai.com/nds

Data table & CSV

[jerusalem.ai.com/nds/
table](https://jerusalem.ai.com/nds/table)

SCAN FIRST · EVERYTHING IN ONE PLACE

The event *toolkit*jerusalem.ai.com/toolkit

The disaster map, the data downloads, guides for Bedrock and OpenCode, prompting tips and links to learn more.

287

real disaster events, each with sources

2

catalogs: Israel & Jerusalem (105) and Middle East (182)

17

countries, with coordinates for every event

759 BCE – 2026

from antiquity to this year

Find your *challenge*

CHALLENGE	FILTER DISASTER_TYPE TO	EVENTS
Wildfires	Wildfire	38
Water crises	Flash Flood, River Flood, Severe Winter Storm	103
Air quality	Extreme Dust Storm, Extreme Heat, Wildfire smoke	21+
Earthquakes	Earthquake, Tsunami, Landslide, Sinkhole	110
Droughts	Drought, Extreme Heat	25

USEFUL COLUMNS

date_start latitude longitude magnitude severity_level
 fatalities displaced_evacuated economic_damage_usd_est
 summary emergency_response sources

Prompts to *start* with

EXPLORE

Load this CSV. Summarise the wildfire events: where, when, how severe, and what the response was. Suggest three patterns worth building on.

BUILD

Build a one-page web app that shows these events on a map and lets a user ask questions about them in plain language.

GROUND IT

Answer only from the rows I give you, cite the event id for every claim, and say when the data doesn't cover the question.

YOUR AI TOOLKIT

Amazon *Bedrock*, in OpenCode or your own code

Use the **Amazon Bedrock API** as the model behind your prototype. Connect it to **OpenCode**, the open-source coding agent in your terminal, or call it from your own Python or JavaScript. Setup guides are on the toolkit page. Keep your API key out of any repo you share.

How you're *judged*

6 CRITERIA · 1 TO 5 POINTS EACH · 30 TOTAL

- Problem & Impact**
A real need in the crisis, with clear people who benefit.
- Crisis Phase Fit**
Clearly targets one phase and fits how that phase really works.
- Use of AI & Data**
AI does real work, and data (the NDS dataset or your own) is used well.
- Prototype & Execution**
How far you got in two hours. A clear mockup and walkthrough also scores.
- Feasibility & Responsibility**
Could it be piloted here? Local context, privacy, and what happens when the AI is wrong.
- Pitch & Team**
A clear 3-minute story, a good demo, strong answers in Q&A.

A prototype doesn't have to fully work to win: judges reward well-reasoned ideas. Ties go to Problem & Impact, then Prototype & Execution.