
HMDC Presents...
Futuristic Security Council:
Security Council of 2100:
Use of Space
Gemini Notebook


THE GOLDEN ORBIT
YOUR MISSION IS THE SECURITY COUNCIL OF 2100. WE MUST BUILD A SECURE FUTURE IN SPACE.
TO SOLVE THE CRISIS, YOU MUST UNDERSTAND THE REAL HISTORY. WE BUILD OUR DEBATE ON REAL FACTS FROM 2026 AND EARLIER.
FICTION (2100 ASSUMPTION)
REMEMBER: ANYTHING ABOUT THE YEAR 2100 IS AN IMAGINED SCENARIO. WE WILL LABEL IT CLEARLY AS FICTION (2100 ASSUMPTION).
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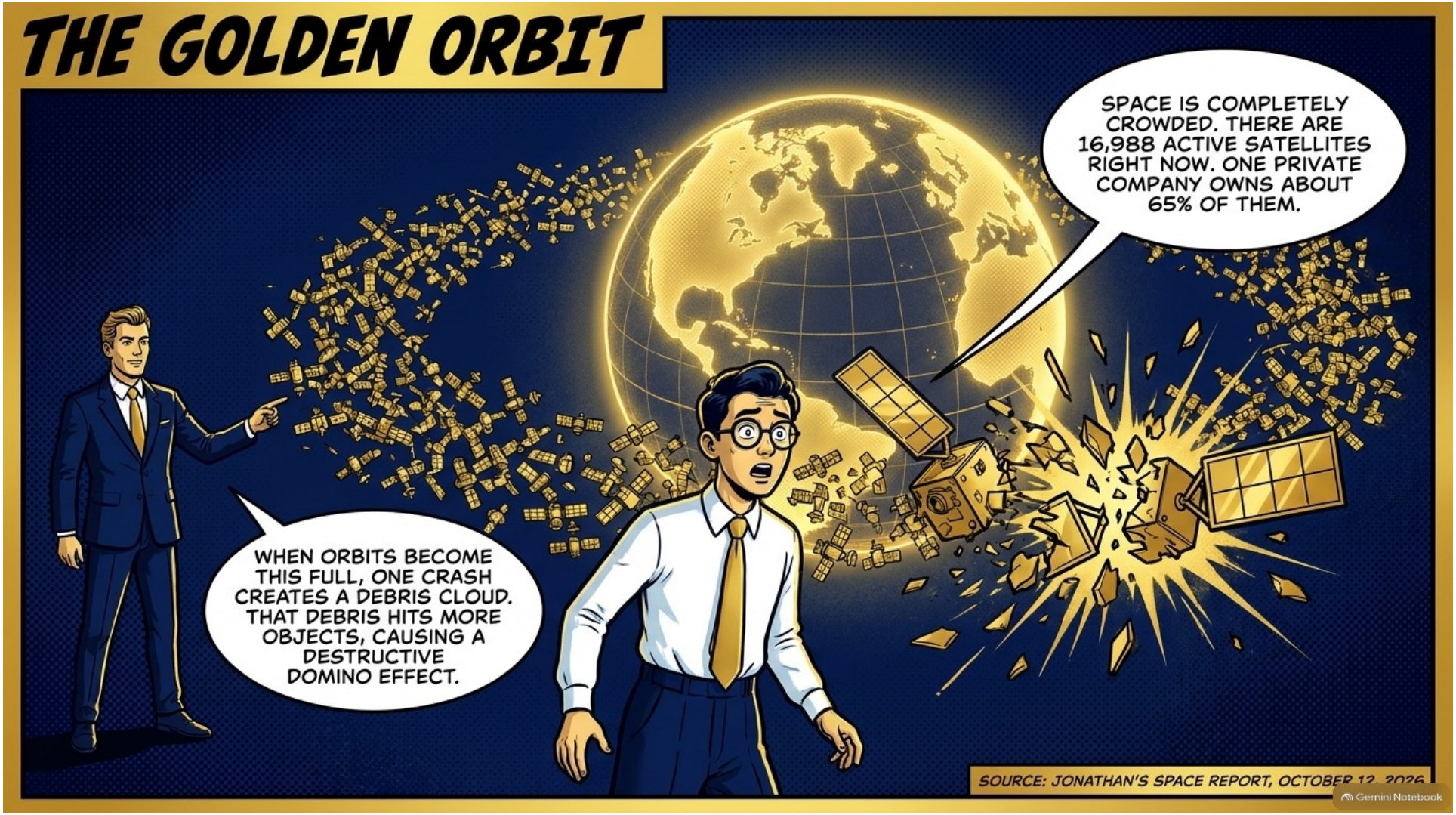
THE GOLDEN ORBIT
SPACE IS COMPLETELY CROWDED. THERE ARE 16,988 ACTIVE SATELLITES RIGHT NOW. ONE PRIVATE COMPANY OWNS ABOUT 65% OF THEM.
WHEN ORBITS BECOME THIS FULL, ONE CRASH CREATES A DEBRIS CLOUD. THAT DEBRIS HITS MORE OBJECTS, CAUSING A DESTRUCTIVE DOMINO EFFECT.
SOURCE: JONATHAN'S SPACE REPORT, OCTOBER 12, 2026
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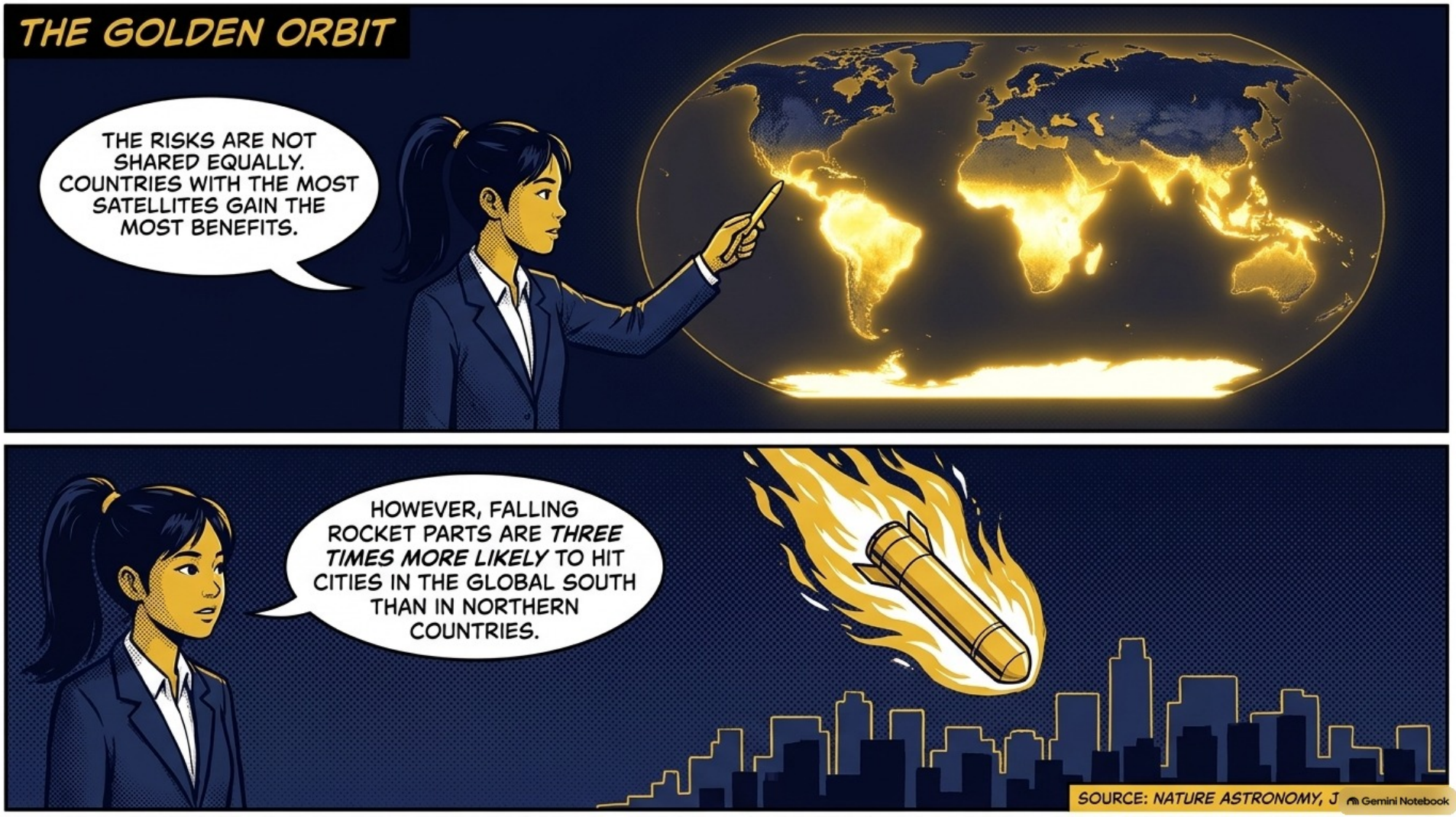
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THE RISKS ARE NOT SHARED EQUALLY. COUNTRIES WITH THE MOST SATELLITES GAIN THE MOST BENEFITS.
HOWEVER, FALLING ROCKET PARTS ARE THREE TIMES MORE LIKELY TO HIT CITIES IN THE GLOBAL SOUTH THAN IN NORTHERN COUNTRIES.
SOURCE: NATURE ASTRONOMY, J
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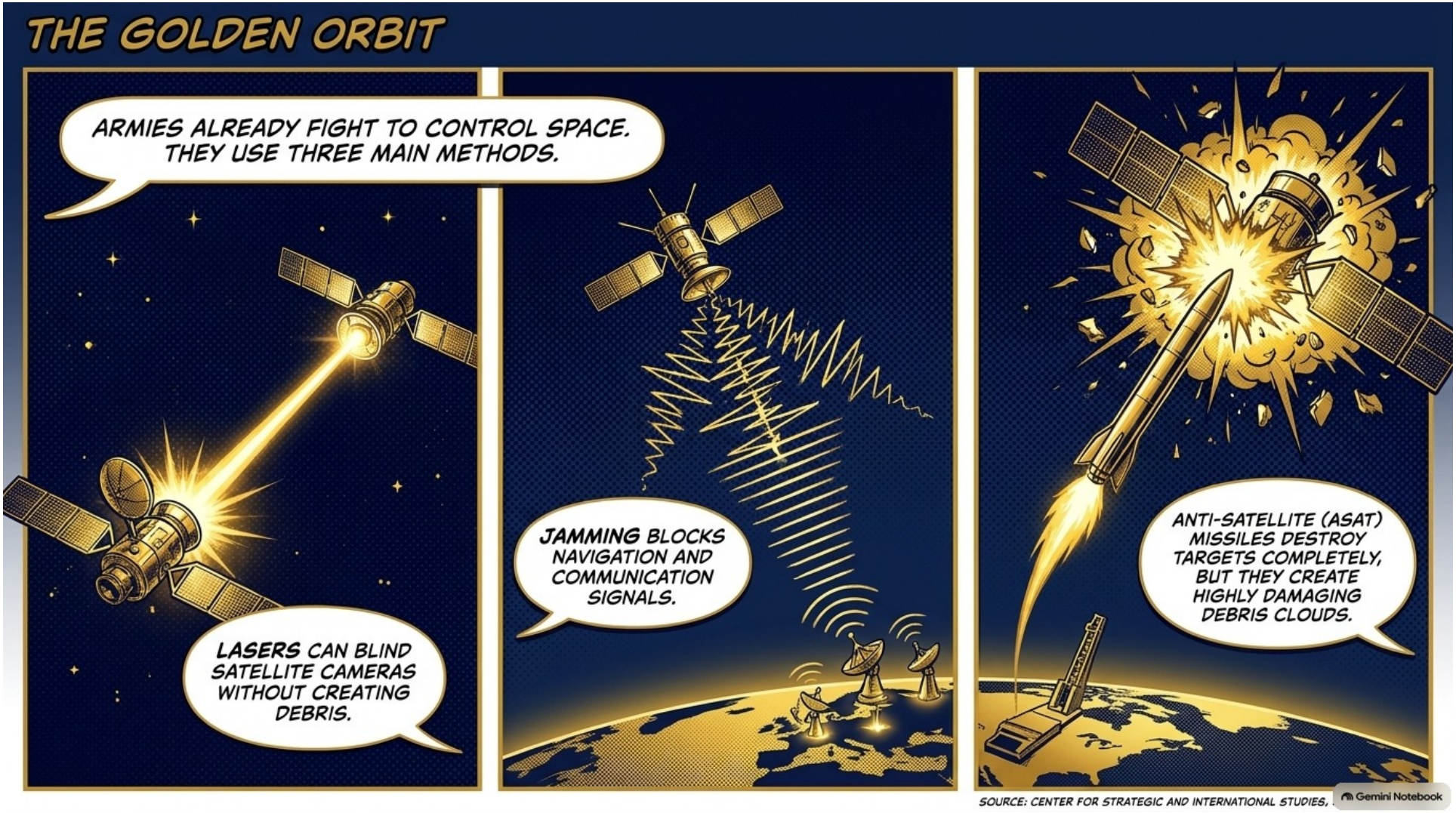
THE GOLDEN ORBIT
ARMIES ALREADY FIGHT TO CONTROL SPACE. THEY USE THREE MAIN METHODS.
LASERS CAN BLIND SATELLITE CAMERAS WITHOUT CREATING DEBRIS.
JAMMING BLOCKS NAVIGATION AND COMMUNICATION SIGNALS.
ANTI-SATELLITE (ASAT) MISSILES DESTROY TARGETS COMPLETELY, BUT THEY CREATE HIGHLY DAMAGING DEBRIS CLOUDS.
SOURCE: CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES,
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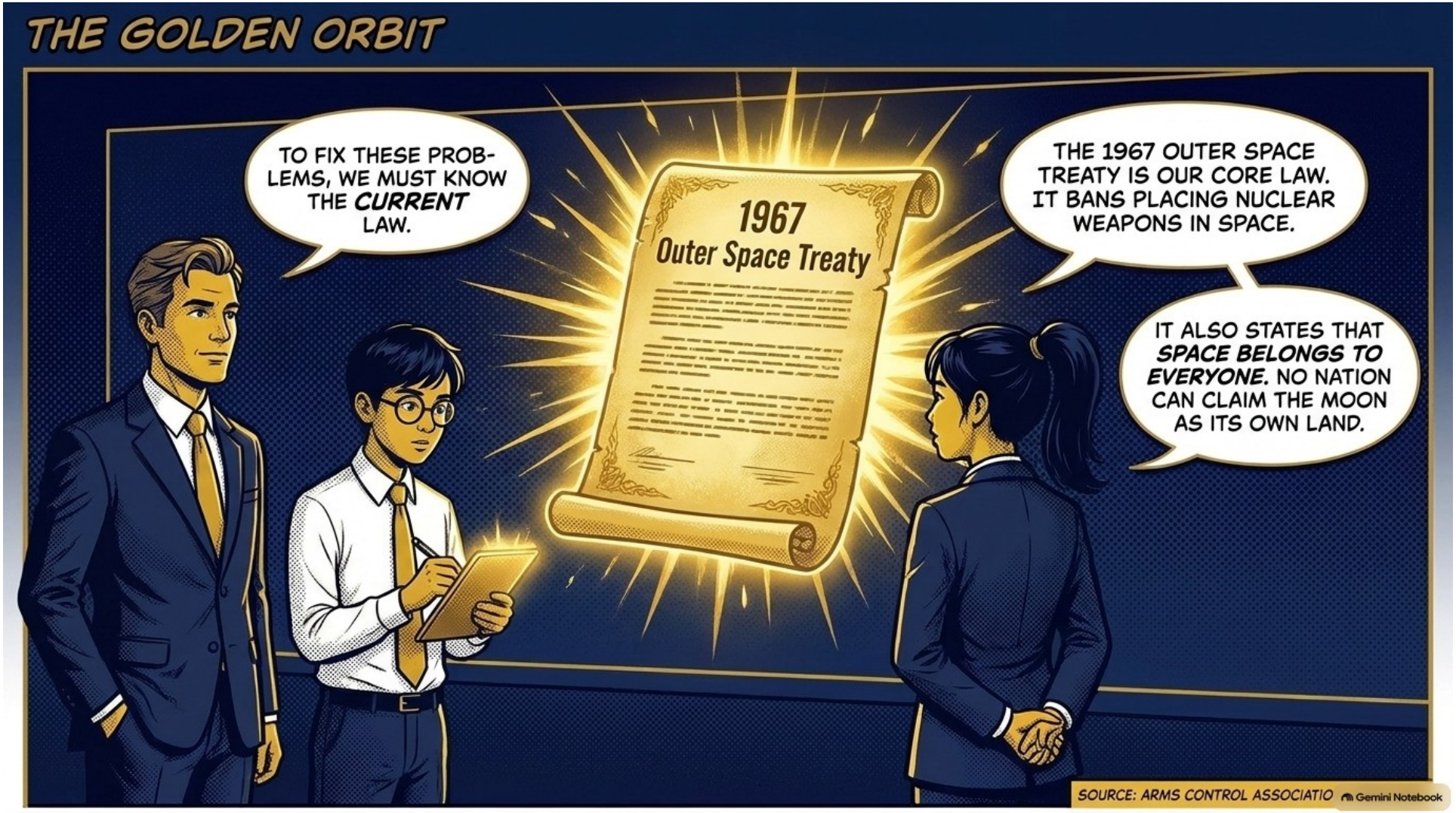
THE GOLDEN ORBIT
TO FIX THESE PROB-LEMS, WE MUST KNOW THE CURRENT LAW.
1967
Outer Space Treaty
THE 1967 OUTER SPACE TREATY IS OUR CORE LAW. IT BANS PLACING NUCLEAR WEAPONS IN SPACE.
IT ALSO STATES THAT SPACE BELONGS TO EVERYONE. NO NATION CAN CLAIM THE MOON AS ITS OWN LAND.
SOURCE: ARMS CONTROL ASSOCIATIO
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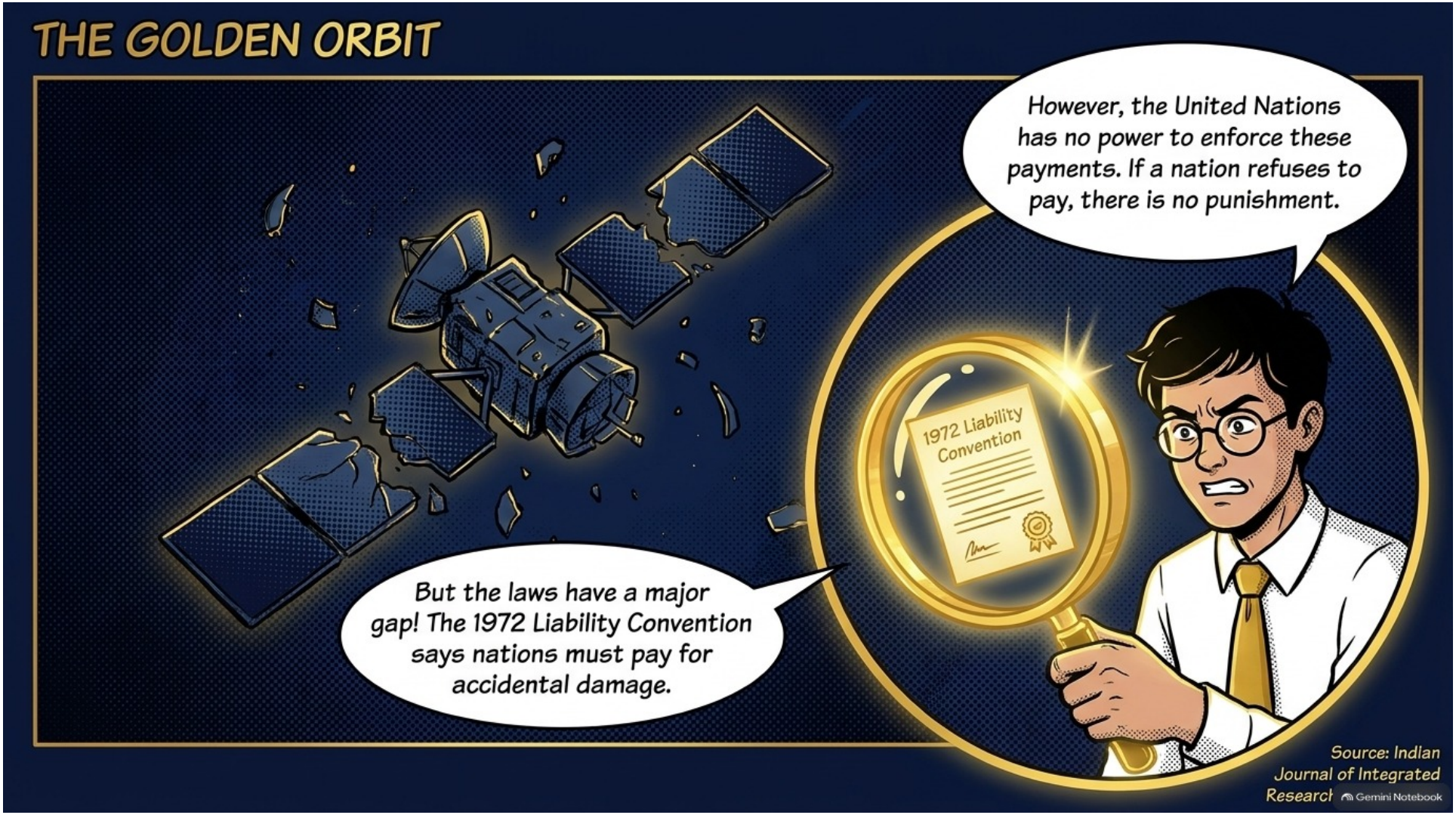
THE GOLDEN ORBIT
But the laws have a major gap! The 1972 Liability Convention says nations must pay for accidental damage.
However, the United Nations has no power to enforce these payments. If a nation refuses to pay, there is no punishment.
1972 Liability Convention
Source: Indian Journal of Integrated Research
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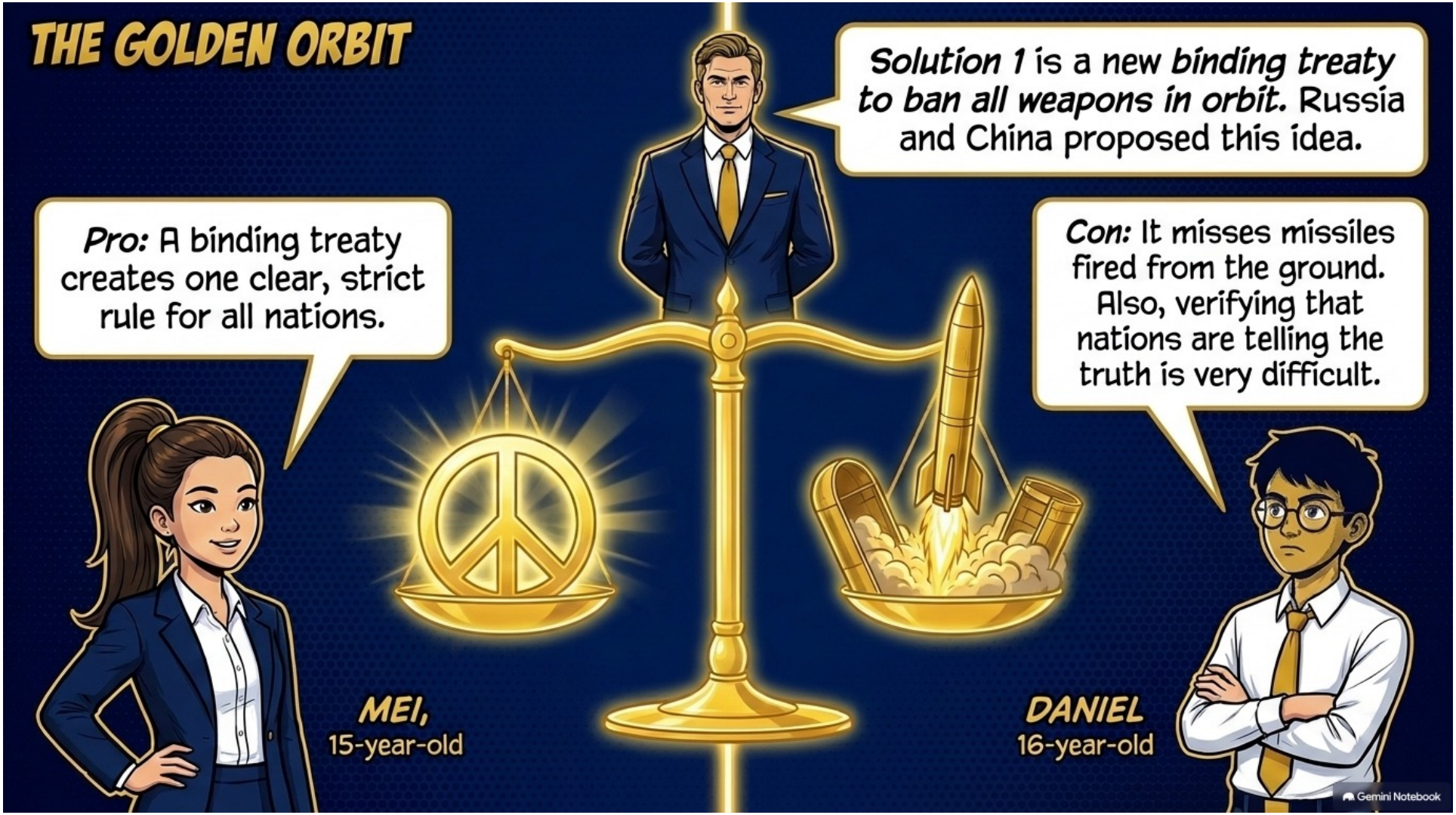
THE GOLDEN ORBIT
Solution 1 is a new binding treaty to ban all weapons in orbit. Russia and China proposed this idea.
Pro: A binding treaty creates one clear, strict rule for all nations.
Con: It misses missiles fired from the ground. Also, verifying that nations are telling the truth is very difficult.
MEI, 15-year-old
DANIEL 16-year-old
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THE GOLDEN ORBIT
Solution 2 is building norms of responsible behavior. The US and European nations prefer this.
Pro: We can agree on simple safety rules very fast, like warning others before flying close.
Due Regard
Con: These rules are voluntary. Breaking them brings no legal penalty.
Source: United Nations General Assembly (A/RES/80/20), De
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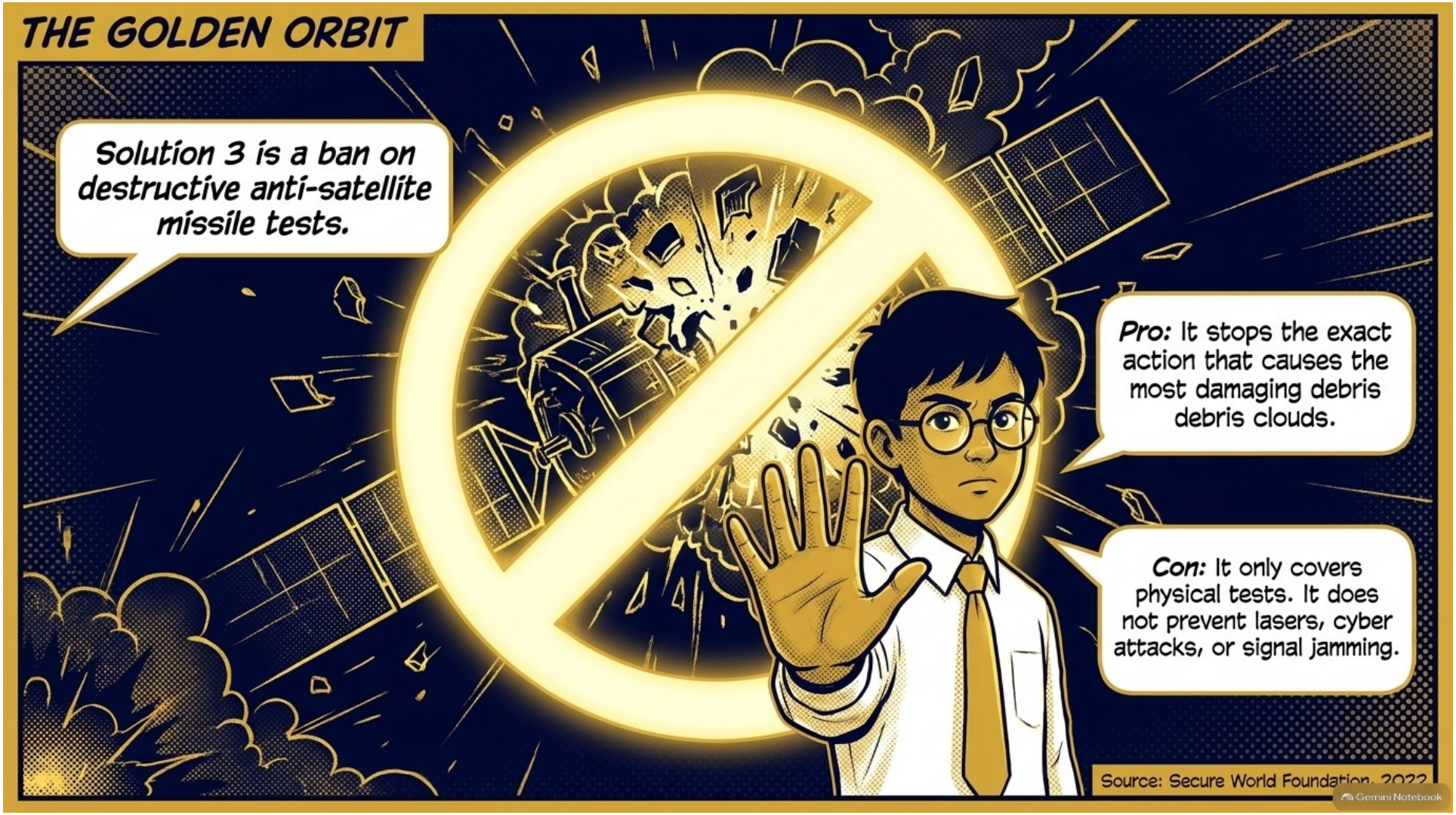
THE GOLDEN ORBIT
Solution 3 is a ban on destructive anti-satellite missile tests.
Pro: It stops the exact action that causes the most damaging debris debris clouds.
Con: It only covers physical tests. It does not prevent lasers, cyber attacks, or signal jamming.
Source: Secure World Foundation, 2022
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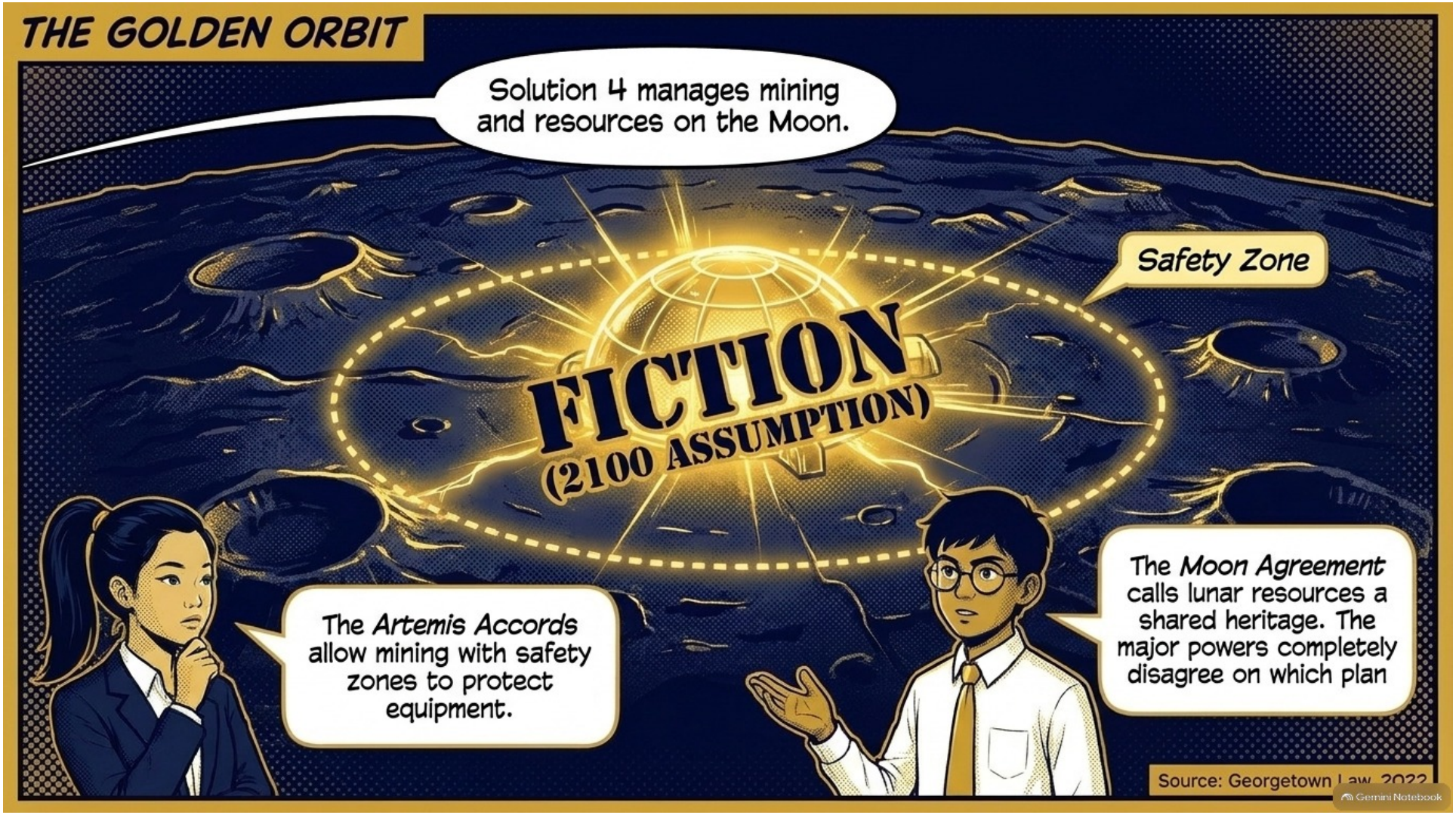
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Solution 4 manages mining and resources on the Moon.
Safety Zone
FICTION
(2100 ASSUMPTION)
The Artemis Accords allow mining with safety zones to protect equipment.
The Moon Agreement calls lunar resources a shared heritage. The major powers completely disagree on which plan
Source: Georgetown Law, 2022
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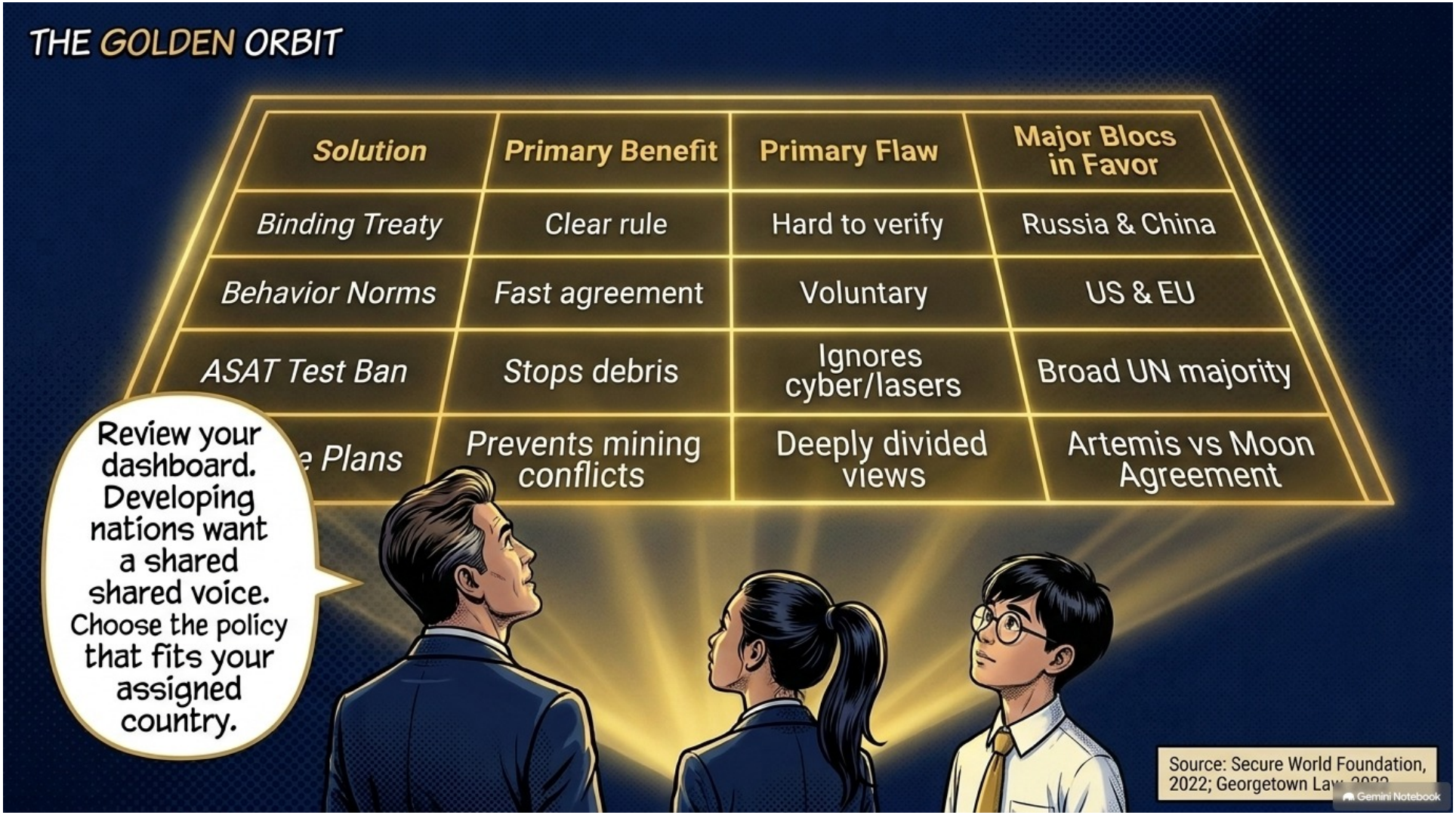
THE GOLDEN ORBIT
Solution
Primary Benefit
Primary Flaw
Major Blocs in Favor
Binding Treaty
Clear rule
Hard to verify
Russia & China
Behavior Norms
Fast agreement
Voluntary
US & EU
ASAT Test Ban
Stops debris
Ignores cyber/lasers
Broad UN majority
e Plans
Prevents mining conflicts
Deeply divided views
Artemis vs Moon Agreement
Review your dashboard. Developing nations want a shared shared voice. Choose the policy that fits your assigned country.
Source: Secure World Foundation, 2022; Georgetown Law, 2022
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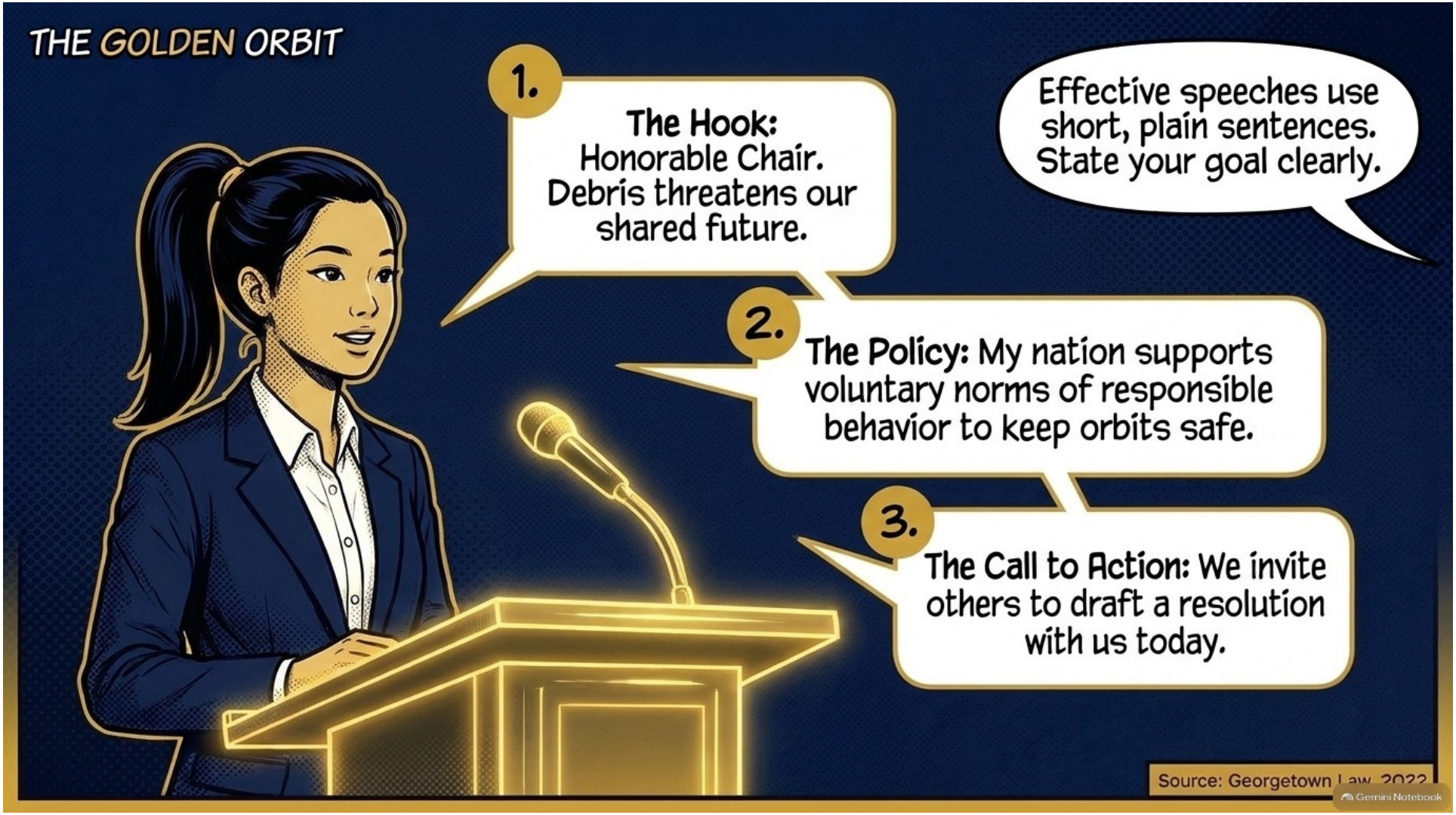
THE GOLDEN ORBIT
1.
The Hook: Honorable Chair. Debris threatens our shared future.
Effective speeches use short, plain sentences. State your goal clearly.
2.
The Policy: My nation supports voluntary norms of responsible behavior to keep orbits safe.
3.
The Call to Action: We invite others to draft a resolution with us today.
Source: Georgetown Law, 2022
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THE GOLDEN ORBIT
Start with an action word.
State the exact rule or action.
1. Urges all nations to announce space launches in advance prevent collisions;
End with a semicolon.
Operative clauses are the solutions we vote on. Make them specific and formatting is vital!
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THE GOLDEN ORBIT
FICTION
(2100 ASSUMPTION)
You know the facts.
You understand the treaties.
You know how to write a clause.
You are ready to build a secure future in the Security Council of 2100. Good luck, delegates!
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