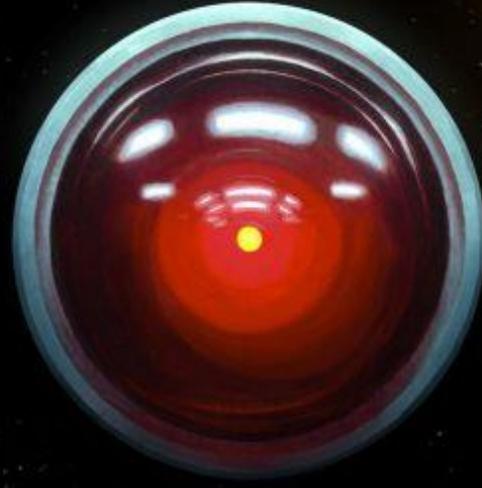


High Road or Low Road: Where are we headed in the space arena?



Peter Martinez

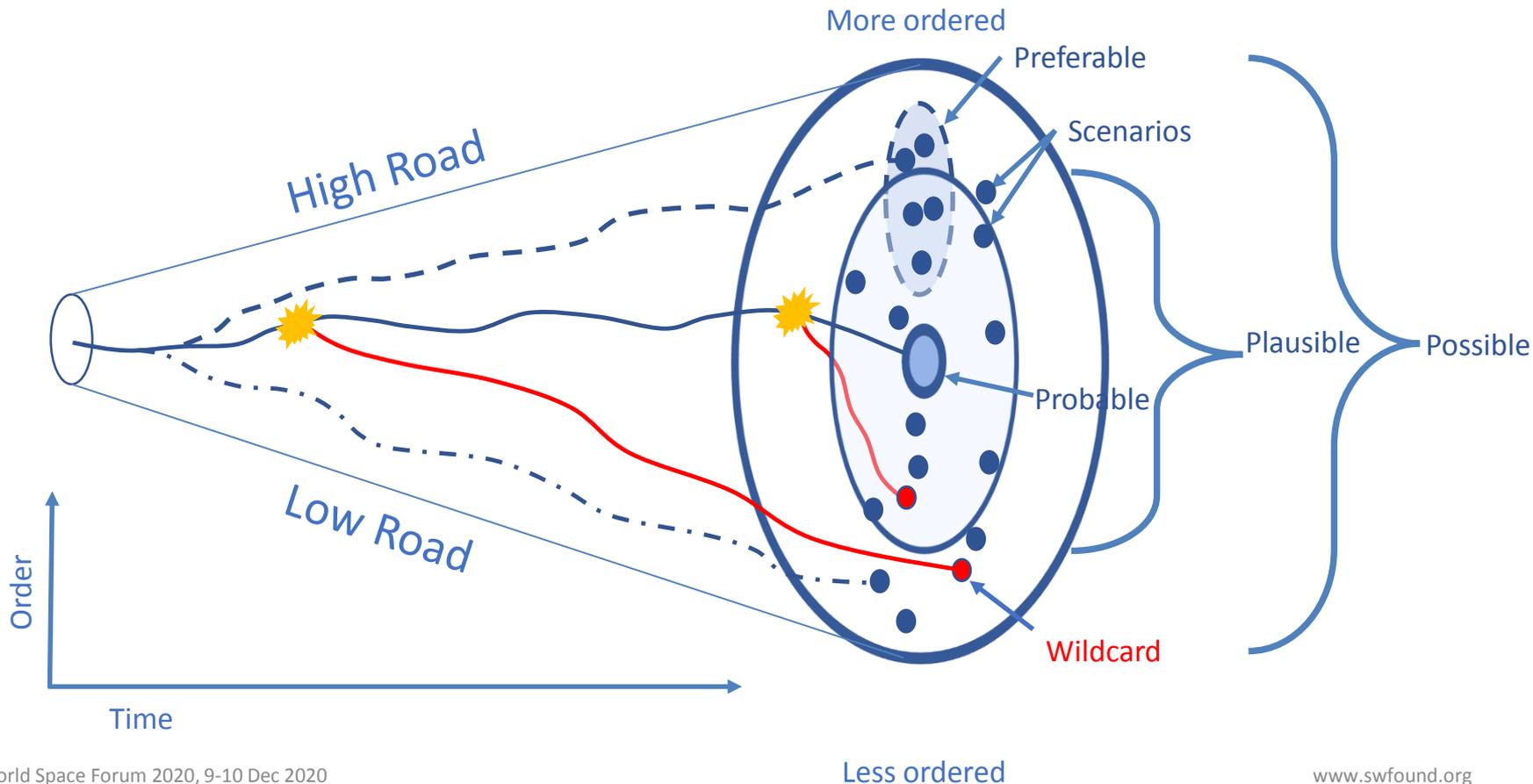
Secure World Foundation



pmartinez@swfound.org



Colour Enhanced  The Ratio Society



Very limited.
Mostly telecoms.

COMMERCIAL SPACE

Very developed.
Value created in space.

Fragmented governance.
Lack of rules.
Wild west.

GOVERNANCE

Coherent governance.
Clear rules of behavior.
Law and order prevails.

Nationalism prevails.
Unilateral actions.
Militarization to achieve
political purposes → conflict.

POLITICAL/MILITARY

Multilateralism respected.
Space regarded as a commons.
Ban on KE ASATS and agreed.
norms for all space actors.

Very few. Limited to
astronauts and a
few wealthy tourists.

HUMANS IN SPACE

Very many. Thousands of
humans in cis-lunar space.
Humans visit Mars.

Enabling, Cooperative Governance

2 Avalon — Humanity ties its destiny to Earth

Humanity has managed to come together to address major global challenges through cooperative governance, but the commercial

Cooperative, communal, grounded

government activity. Humanity remains largely Earth-bound and Earth-focused.

Commercial
Space
Languishes

COMMERCIAL

1 2001 — Humanity moves towards its destiny in space

Humanity has managed to come together to address major global challenges through cooperative governance. Many humans live

Cooperative, communal, expansive

resource use are common. The space economy is worth \$Trillions and represents a growing percentage of the global economy.

Commercial
Space
Flourishes

SPACE

GOVERNANCE

3 Tartarus — Humanity is trapped on Earth

Humanity has failed to address major global challenges through

Congested, rivalrous, confined

space is a domain of military operations. Space serves political and military ends. Commerce serves military and government needs.

4 Elysium — Space is full of opportunities, but only for some

Humanity has failed to address major global challenges through

Congested, rivalrous, exclusive

regulations. Many people have been to space, and many work in space, but it remains the preserve of the wealthy.

Disabling, Fragmented Governance

2 **Avalon** — Humanity ties its destiny to Earth



COMMERCIAL

1 **2001** — Humanity moves towards its destiny in space

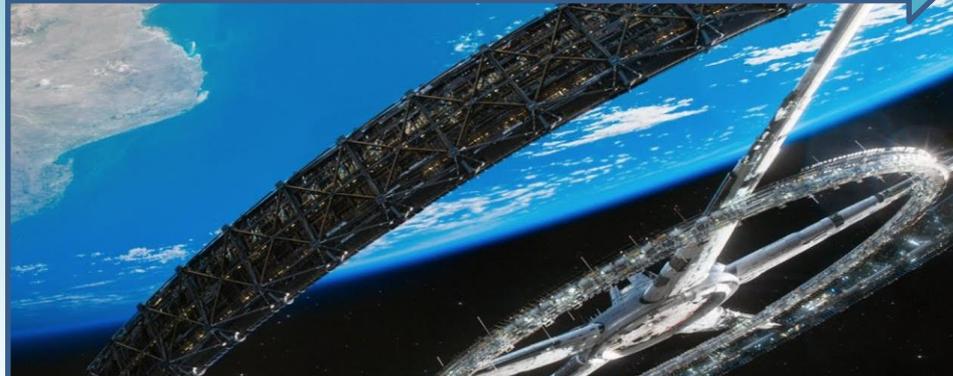


SPACE

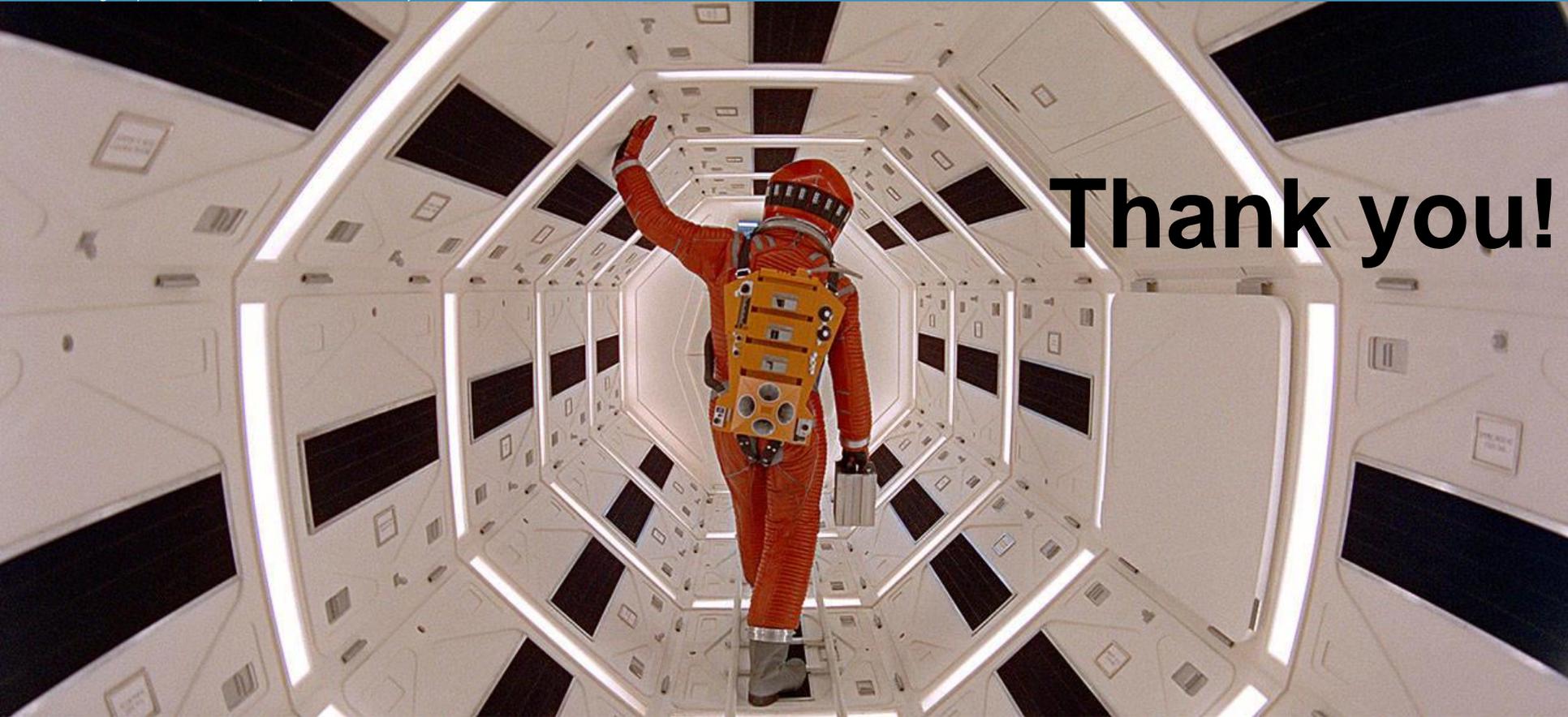
3 **Tartarus** — Humanity is trapped on Earth



4 **Elysium** — Space is full of opportunities, but only for some



GOVERNANCE



Thank you!