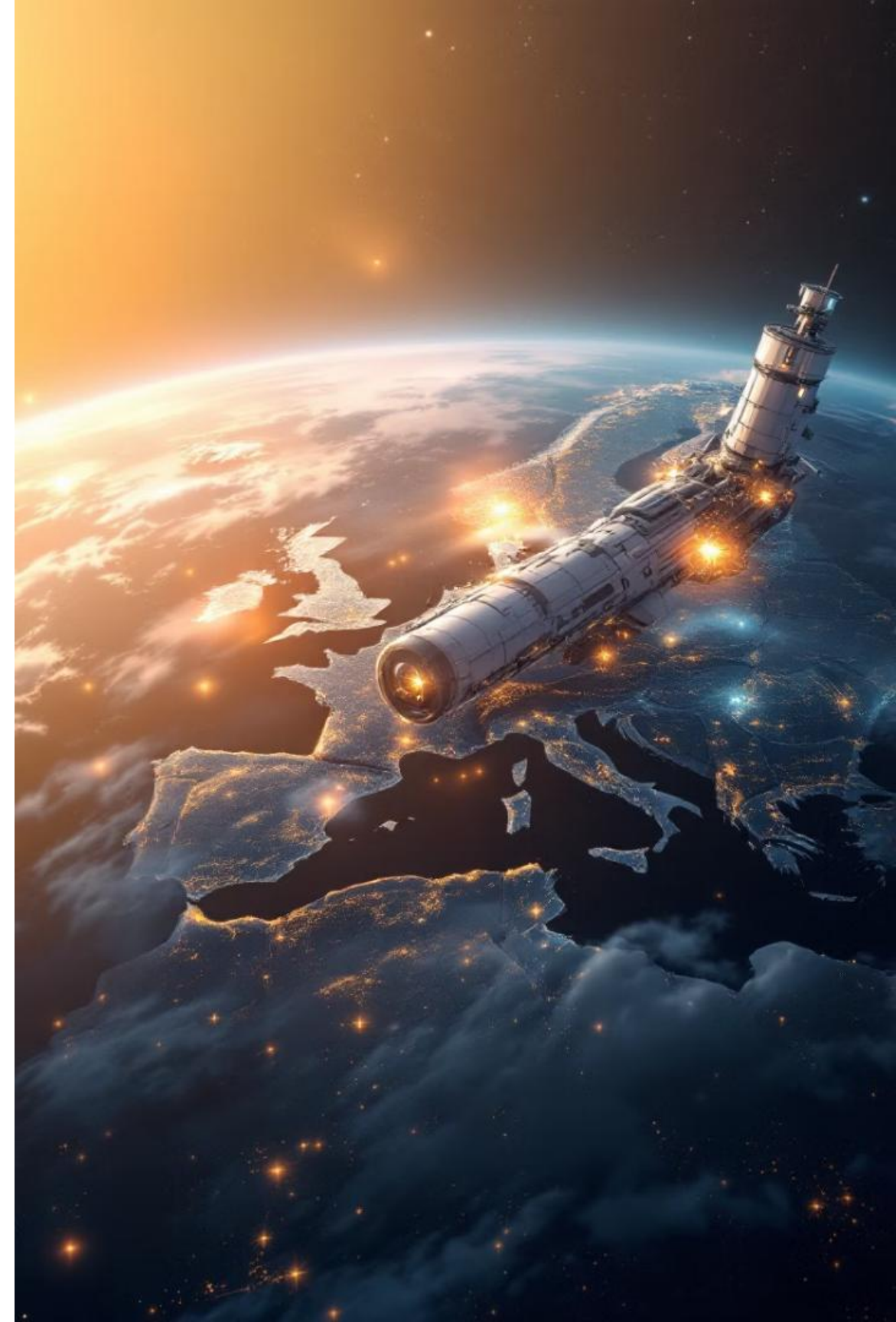


European Strategic Choices in Space

Dr. Emma Gatti

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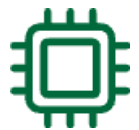
Space Analyst and Journalist, The Space Republic



Why do we go to Space?



Political and geopolitical leverage



Technological advancement: spillover to AI, computing, materials, robotics, flight industry, etc..



Defense innovations, secure communication, early warning systems



Job creation and highly skilled workforce development

Where to Invest? Strategic Segments

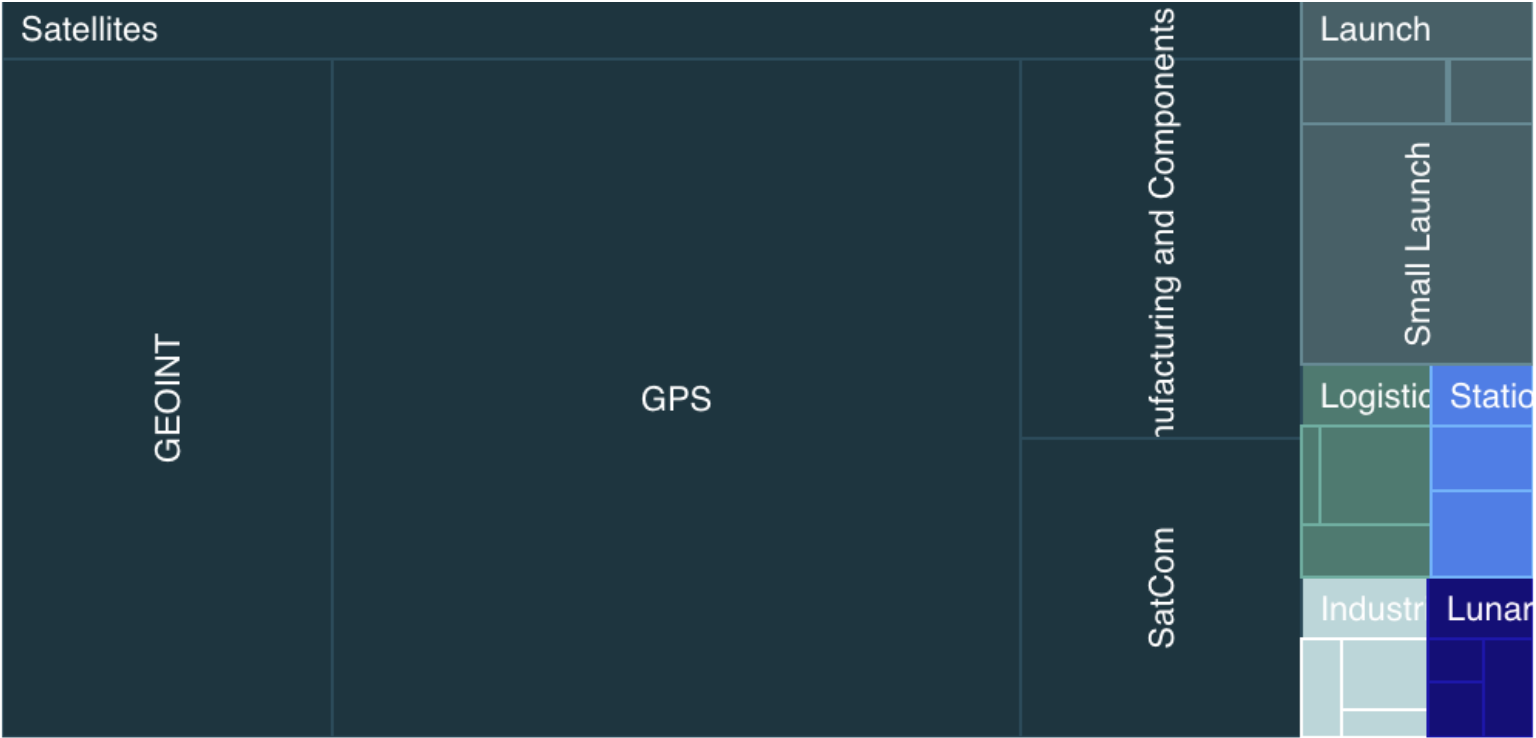
Not all space activities are the same: **reach vs backbone** (by The World Economic Forum 2024 definition)

BACKBONE

Infrastructures, Services, Defence. Everything that is Space for Space (diffente tech layers: infrastructure, distribution, application)

REACH

Applications and services that rely on Space backbone infrastructures to provide a third-party service



Downstream Market: The Hidden Engine

Real economic value lies in Earth-based applications enabled by space assets

1

GNSS used in mobility, wearables, logistics

2

Earth observation for insurance, agriculture, city planning

Europe's edge: strong research institutions + industrial base

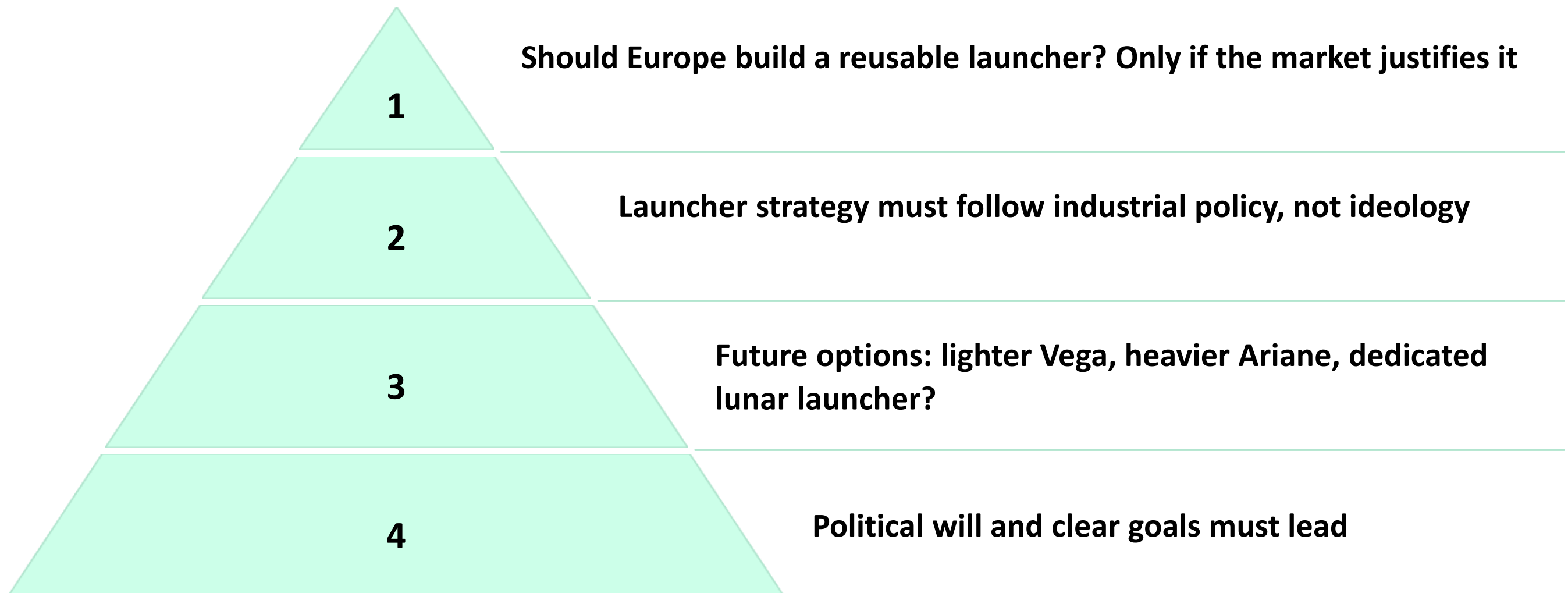
The Strategic Enabler: Launchers

No space economy without launch capability

- 1 — Europe: Ariane-6 (medium to heavy), Vega-C (light to medium)
- 2 — Gaps: no super-heavy lift for crewed/lunar missions
- 3 — Strategy-first approach: what do we want to achieve? Only then: design the launcher



Strategic Question for Europe



Thank You

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Questions & Discussion

