

Small States in Space: Crafting a Strategy for Singapore

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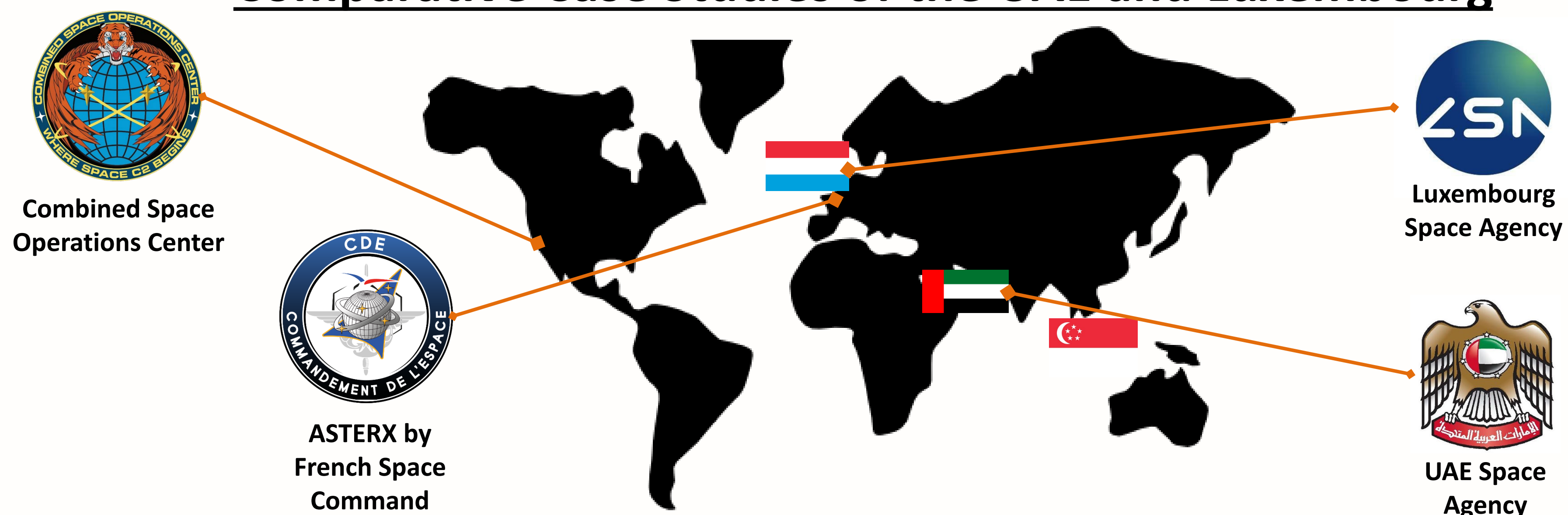
Significance of Research

- ❖ Offers insights into the orientation and contours of space policies of emerging space powers that are constrained by geographical size and population
- ❖ Proposes national space policy and strategy for Singapore to guide political decision-making into integrating space activities to serve its national interests

Research Design

- ❖ Reviews space strategies, policies, programs, and sectoral developments (such as the commercial, security/defense, and civil sectors)
- ❖ Case selection: (1) small geographical size and population; (2) newly established space agency with contrasting focuses; (3) evidence of spending into national programs; (4) in different geographical regions

Comparative Case Studies of the UAE and Luxembourg



For Singapore

- ❖ Establish centralized agency to coordinate space activities and participate in multilateral mission and programs
- ❖ Initiate national space program with focus on space situational awareness (SSA) applications
- ❖ Strengthen STEM education and outreach through space-related or space-specific curricula

For the SAF

- ❖ Operate SSA capabilities to protect and defend national interests in and through space
- ❖ Develop tools to participate in multinational space operations and exercises such as US-led CSpOC and the France-led ASTERX
- ❖ Initiate defense and technology development cooperation

- ❖ Strengthen credibility and usefulness to international space community through burden-sharing on SSA operations
- ❖ Promote space norms and standards
- ❖ Promote local space economy

- ❖ Ensure accessibility and freedom of operations in space
- ❖ Gain operational experience and expertise in SSA
- ❖ Grow space intellects in the defense community