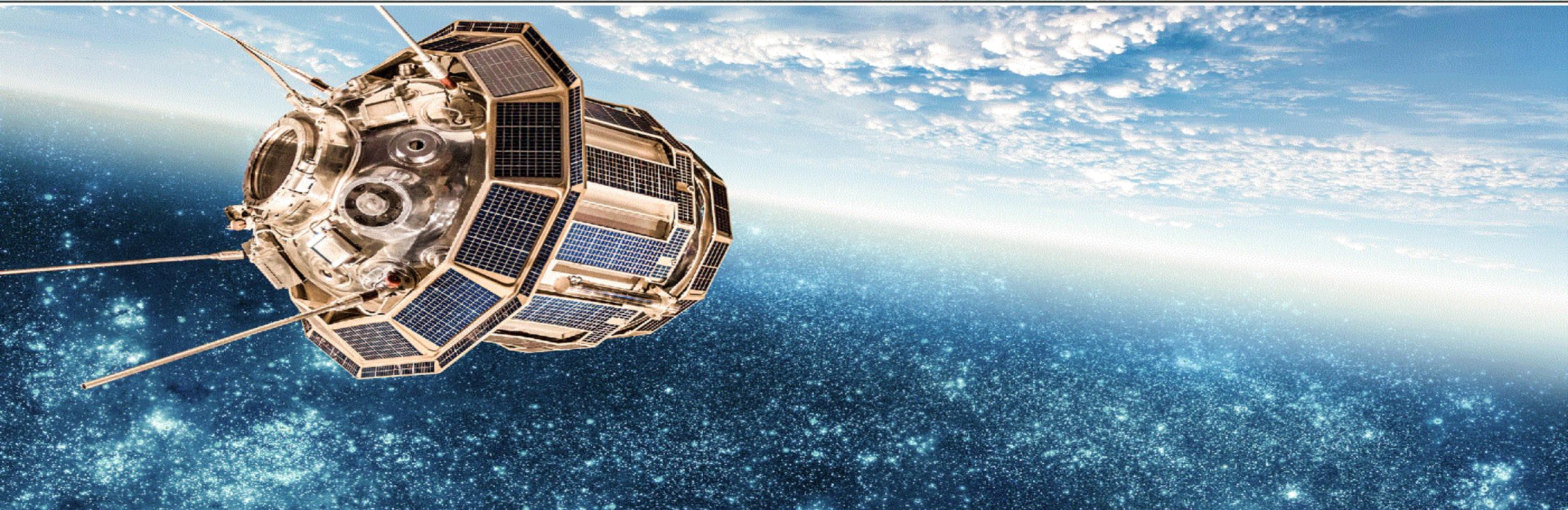


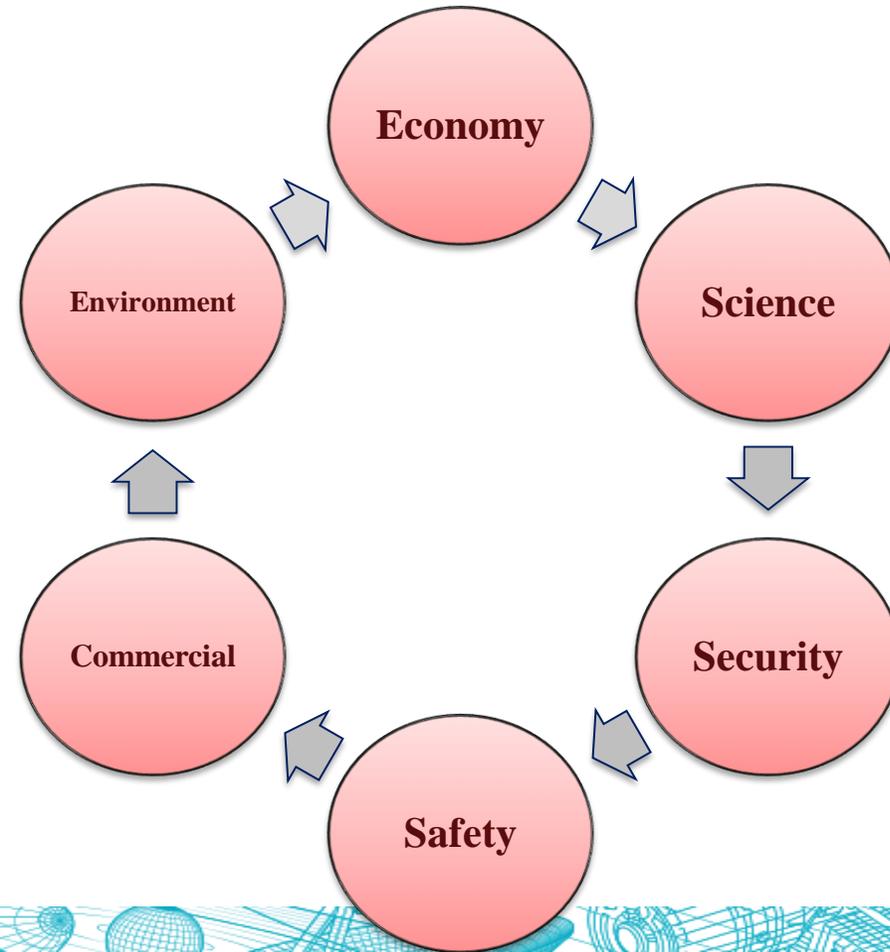
وكالة الإمارات للفضاء
UAE SPACE AGENCY



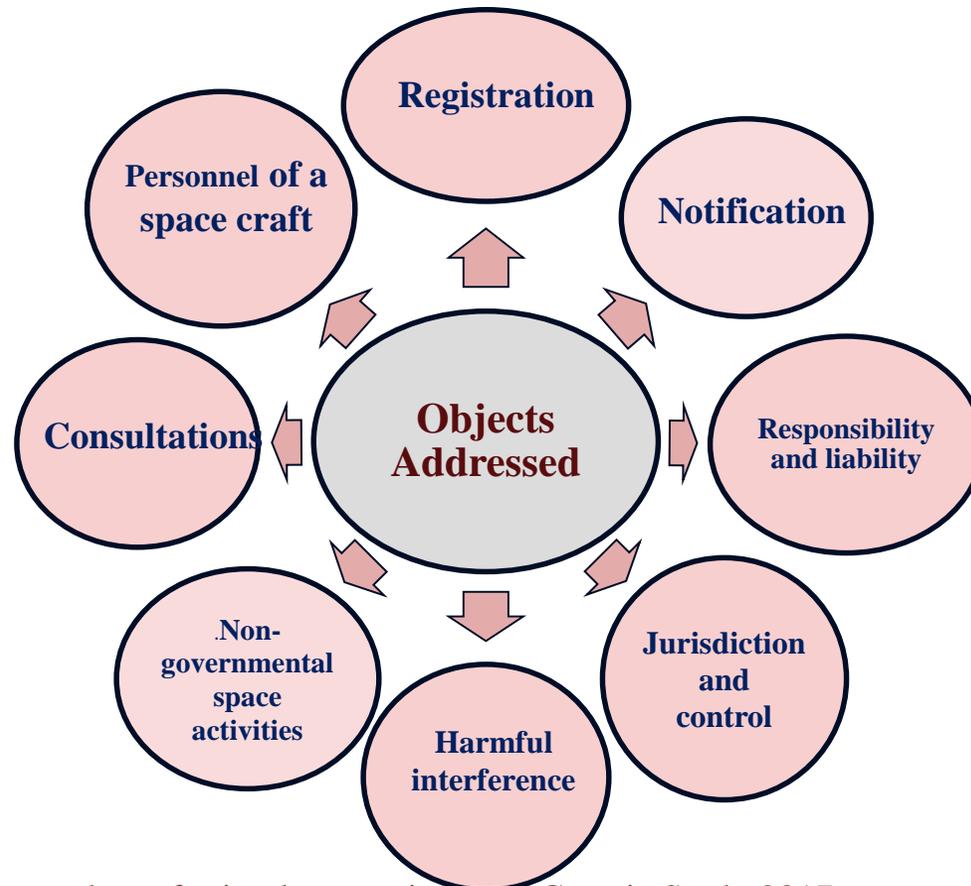
Space Traffic Management



Space Traffic Management Importance



Object and Traffic-Related Provisions in the Space Treaties ¹



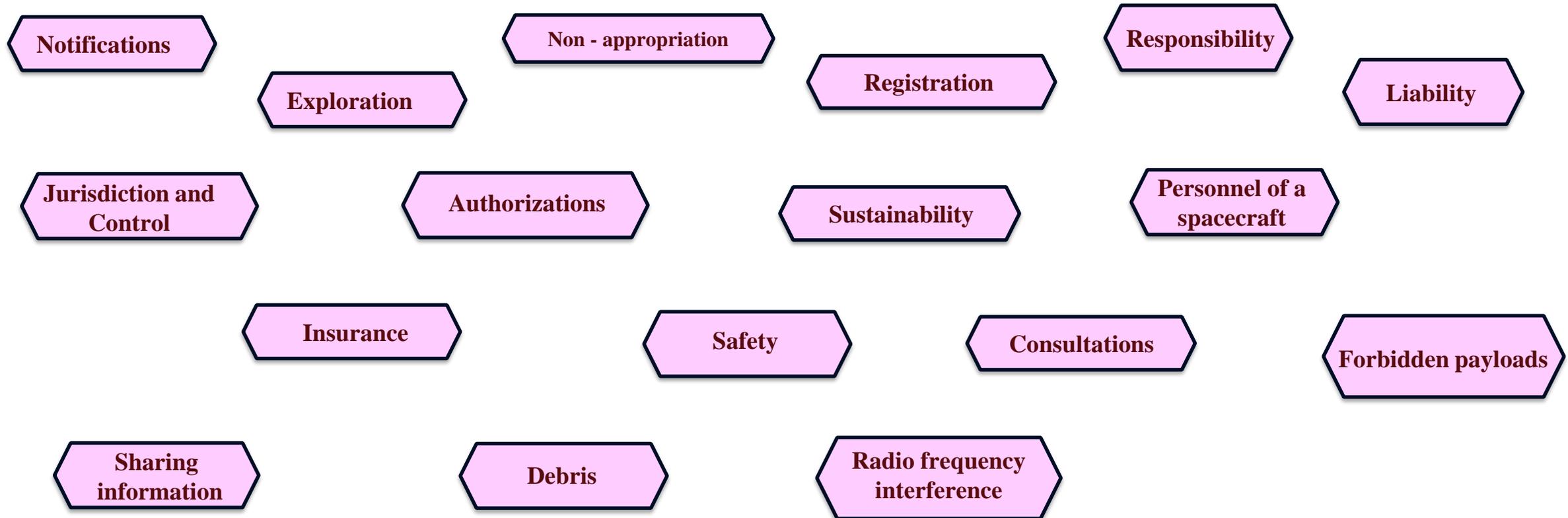
1. Space Traffic Management Towards a roadmap for implementation IAA Cosmic Study 2017.

Possible Phases of STM ⁶

Phases

- ❖ Launch phase (e.g. pre-launch notification, launcher upper stages).
- ❖ In-orbit phase (operations until EOL; e.g. information duties, CAM).
- ❖ Post-mission and re-entry phase (debris mitigation, ADR).

Elements of Space Traffic Management



	STM Elements	UAE Space Policy	UAE Draft Law on the Organization of the Space Sector	Regulation on the Registration	Regulation on the Authorization	Regulation on the Human Space Flight Activities
1	Registration	N/A	✓	✓	✓ ¹	N/A
2	Notification	N/A	✓	✓	✓	✓
3	Non-appropriation	✓	✓	N/A	✓	N/A
4	Forbidden payloads	✓	✓	✓	✓	✓
5	International Consultations	✓	✓	N/A	✓	✓
6	Personnel of a spacecraft	N/A	✓	N/A	✓	✓

- Not applicable: N/A - Under Consideration: U/C - This is covered by the Authorization regulatory procedure.

	STM Elements	UAE Space Policy	UAE Draft Law on the Organization of the Space Sector	Regulation on the Registration	Regulation on the Authorization	Regulation on the Human Space Flight Activities
7	Sustainability	✓	✓	N/A	✓	N/A
8	Debris	✓	✓	N/A	✓	N/A
9	Safety	✓	✓	N/A	✓	✓
10	Sharing information	✓	✓	✓	U/C	N/A
11	Exploration	✓	✓	N/A	✓	N/A

- Not applicable: N/A

- Under Consideration: U/C

	STM Elements	UAE Space Policy	UAE Draft Law on the Organization of the Space Sector	Regulation on the Registration	Regulation on the Authorization	Regulation on the Human Space Flight Activities
12	Responsibility and liability	✓	✓	N/A	✓	✓
13	Insurance	✓	✓	N/A	✓	✓
14	Jurisdiction and Control	✓	✓	N/A	✓	✓
15	Prevent unintentional radio frequency interference	✓	✓	N/A	✓	N/A
16	Authorization	N/A	✓	N/A	✓	✓

- Not applicable: N/A

- Under Consideration: U/C

وكالة الإمارات للفضاء
UAE SPACE AGENCY



Space Traffic Management

