

# THE LEGAL LANDSCAPE OF SPACE A LOCAL PERSPECTIVE

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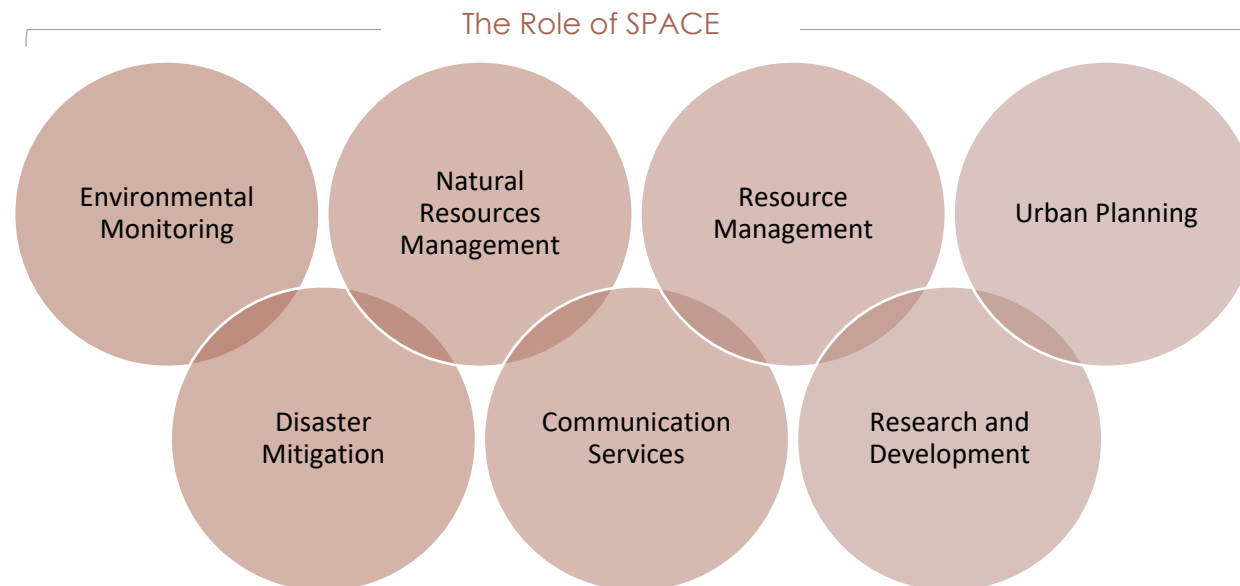
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## International Law | Meaning and Scope of Space Law

### Scope of Space Law

- Rules, Principles and Standards of International Law appearing in Five International Treaties.
- International Agreements, Treaties, and Conventions.
- Executive and administrative order and judicial decisions.
- National Laws, rules and regulations.
- Rules and Regulations of International Organizations.







## International Law | States Obligations



Responsibility for their national activities

Responsibility of Authorizing their national activities.

Responsibility to rescue astronauts and return them safely to their homelands.

Responsibility to register their Space Objects.

Responsibility for damage caused by their space objects.

States are prohibited from weaponizing space or using weapons of mass destruction.

Disputes are resolved by diplomatic means.

# National Efforts | Role of UAE Space Agency

UAE Federal Entity, established in 2014

## Mandates



Vision

We proudly look to the future of the United Arab Emirates as a leader in space, and we inspire our future generations for the benefit of the nation and humankind



Mission

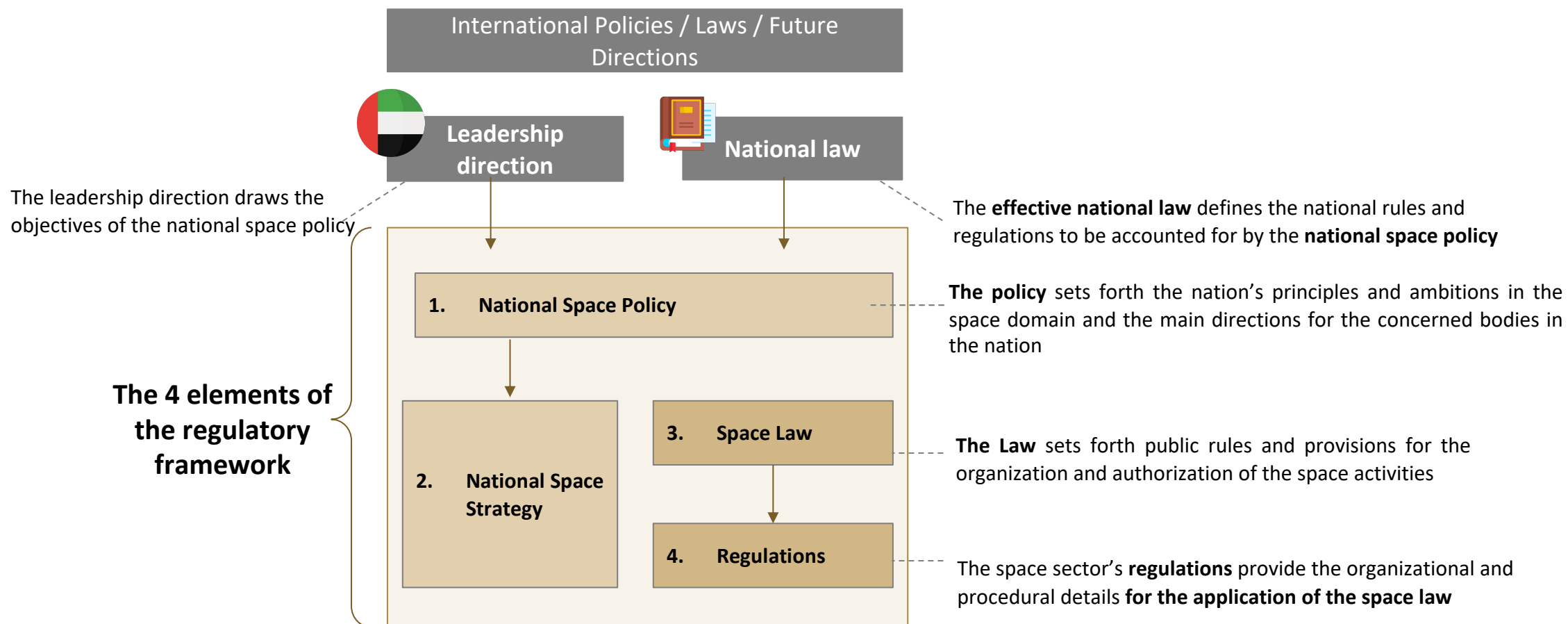
To organize and guide the space sector, to contribute to the national economy and to aid sustainable development, to prepare generations of highly skilled professionals and to develop research, space programs and strategic partnerships in the field of space



Values

Excellence, Collaboration, Innovation, Commitment, National pride, and Integrity

## National Efforts | National Regulatory Framework

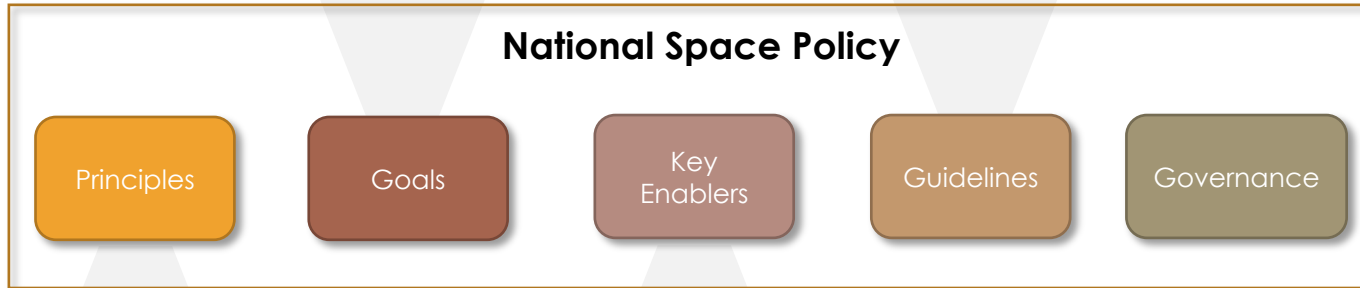


# National Efforts | UAE Space Policy

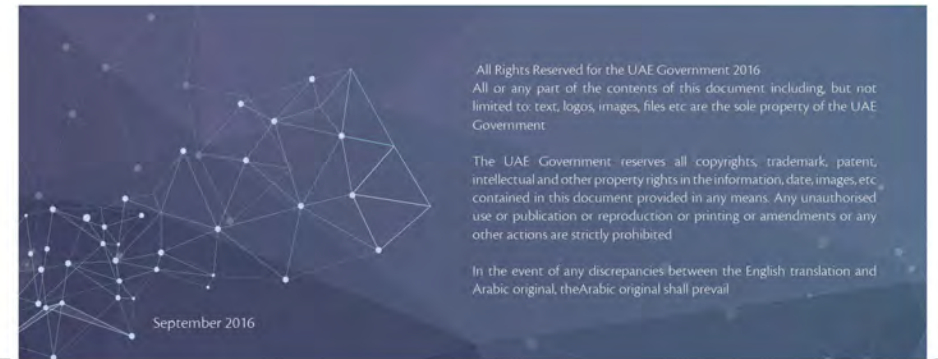
The UAE National Space Policy was issued in September 2016

- ✓ Develop a Sustainable, Competitive and Innovative Commercial Space Industry
- ✓ Promote a Safe and Stable Space Environment
- ✓ Commercial Sector Guidelines
- ✓ Science, Technology and Exploration Guidelines
- ✓ National Functions Guidelines

## National Space Policy



United Arab Emirates



- ✓ Support Growth and Diversification of our Economy
- ✓ Respect International Laws and Treaties

- ✓ Continuous Awareness of the Importance of Space and its Activities
- ✓ Effective and Attractive Space Regulatory Environment
- ✓ National, Regional and Global Collaborations, Coordination and Partnerships



## National Efforts | UAE National Space Strategy

The UAE National Space Strategy was launched in March 2019



### Examples:

**Initiative 6.1.1** Develop the regulatory framework for the space sector and monitor compliance

**Initiative 6.1.2** Develop the authorization system for space activities

**Initiative 6.1.3** Establish a mechanism to ensure effective participation on an international level through paper work and reports on the state's efforts



# National Efforts | Federal Law No. (12) of 2019 on the Regulation of the Space Sector

## Overview:

- (9) chapters
- (54) articles
- *It lays down the foundations and general rules relating to Authorization of space activities and related activities, registration of space objects and vehicles, insurance and guarantees, Audit and penalties.*

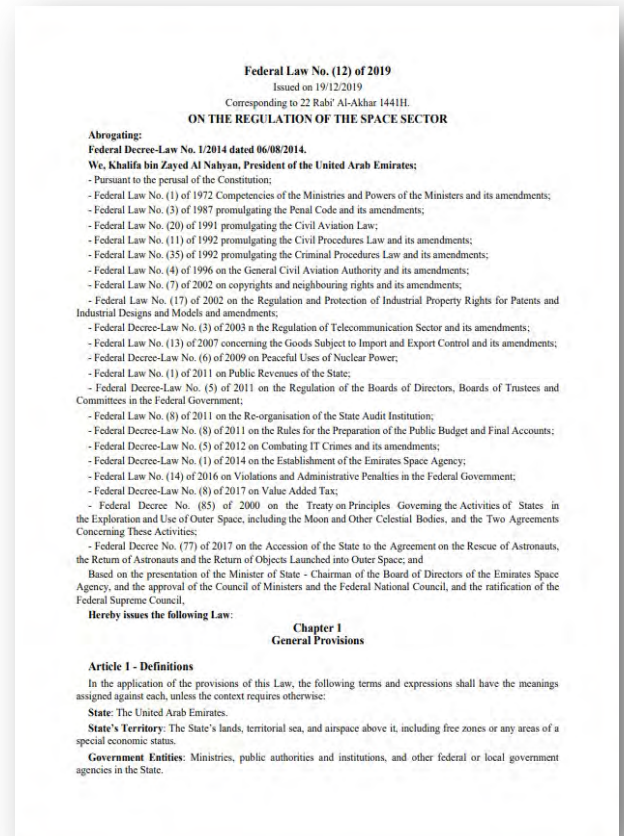
## Objectives of the Law



Promote and enable the participation of the private and academic sectors.

Support safety, security, and environment protection.

Promote transparency and the conformity with the international conventions.



## National Efforts | Federal Law No. (12) of 2019 on the Regulation of the Space Sector

### Scope of Application

All Space activities Conducted on or from the territory or facilities of the UAE.

Vessels or airplanes registered with the State, or Space objects registered by the State.

Persons or juridical entities with the nationality of the UAE.

## National Efforts | Regulated Activities

Launch and Re-entry.	Removal or disposal of the Space object from orbit.	Operation of Launch or Re-entry –sites.	Operation of Space objects, including the control of said objects.
Space telecommunication activities.	Space Navigation or Remote sensing or earth observation activities.	Space situational awareness activities, including monitoring and tracking of Space objects.	Exploration or extraction of Space resources.
Space resources exploitation and utilization activities.	Logistics support services in Outer Space.	Scientific exploration of space and conducting scientific experiments related to space, including participation in astronomy activities.	Human Space-flight, or prolonged human stay in space, or construction, or use of installations in space, or on the surface of celestial bodies permanently or temporarily.
	The manufacture, assembly, integration, examination, transfer or disposal of space technology.	Any other space activities determined by a decision of the Council of Ministers upon the proposal of the Board of Directors.	





## National Efforts | Regulated Activities

***Other activities related to the Space sector shall include:***

Space-support Flights and High-altitude activities, which are not subject to the Federal Law No. (20) of 1991, whether are carried out on the State's territory or involved an airplane or flight vehicle registered in the State.

Space data management activities, including: receiving, or storing, or processing, or distributing, or archiving, or disposing any space data.

Collecting or trading Meteorite stone falling in the State's territory. .

Specialized training programs related to space fields by non-governmental organizations.



*Any other activity related to the Space sector, shall be issued by a decision of the Council of Ministers, based on the proposal of the Board of Directors.*



## Impact Factors | Space Law



Regulating Industrial Sectors

Important international organizations related to space policy:

- ✓ United Nations Office for Outer Space Affairs
- ✓ United Nations General Assembly
- ✓ Organization for Disarmament
- ✓ International Telecommunication Union
- ✓ ICAO



Regulating Industrial Sectors



Countries with ambitious space related programs are constantly developing facilities and infrastructure to support their space related activities



Increase in the number of risks of the space environment and importance of organizing and coordinating space activities and enhancing the efficiency of operations.



It is important to balance the security, safety, environmental and commercial requirements.

# Impact Factors | UAE Space Sector Value Chain



Capable Facilities & Infrastructure | Dynamic Science, Technology & Innovation Framework | Strong Academia-Industry links | Deep Knowledge Base

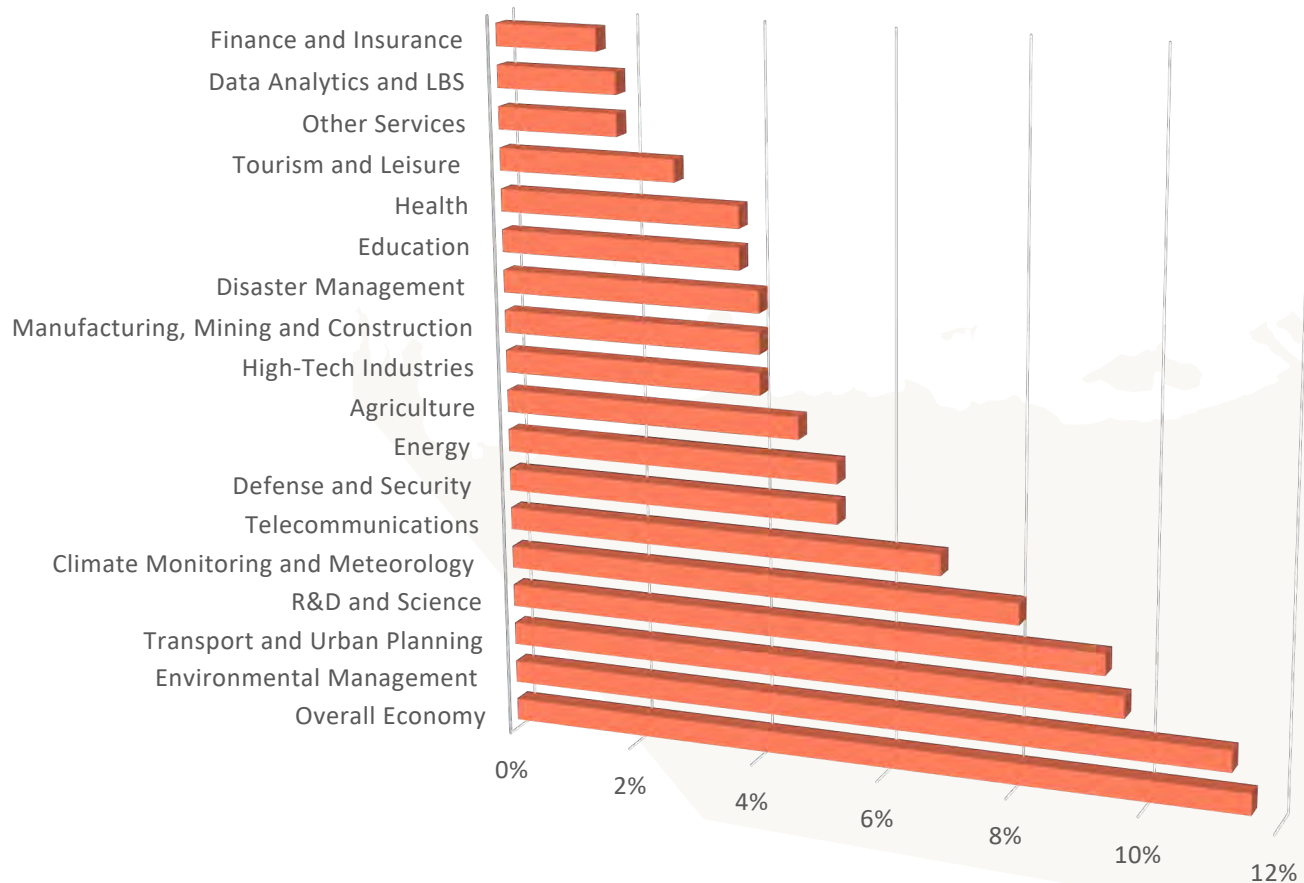
Effective Partnerships | Enabled Technology Acquisition/Access | Engaged Stakeholders | Active Capability Marketing & Awareness | Utilized Ancillary Services

Facilitating Policies & Regulations | Attractive Investment Landscape | Sustainable Funds

## KEY ENABLERS

## Impact Factors | Other Sectors

*Sectors benefiting from socio-economic effects derived from space services and applications*



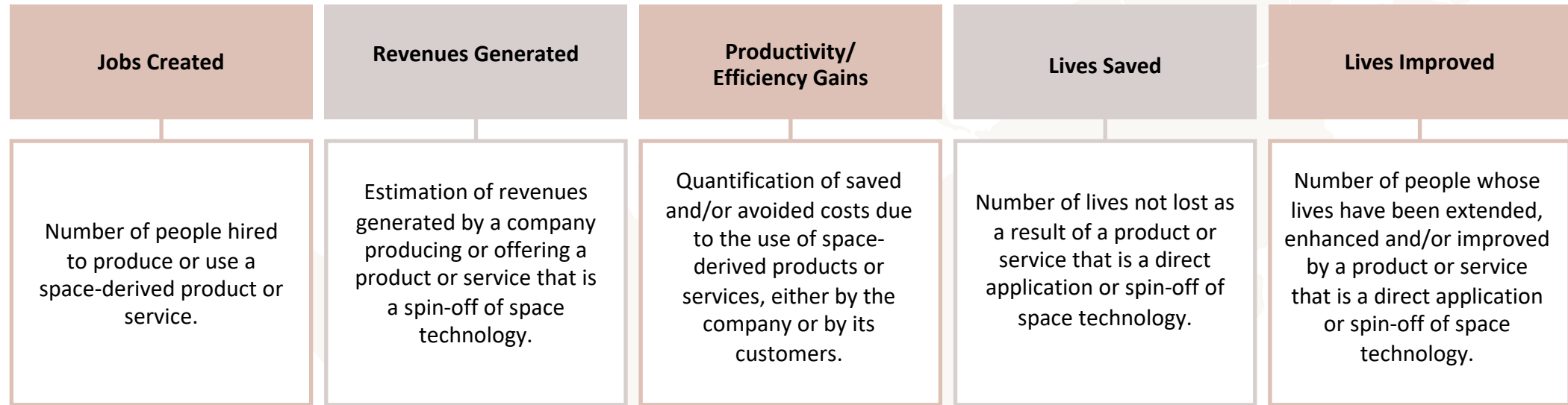
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Number of service contracts provided by UAE Space Entities in 2019, an increase of 162% from 2017 records.

As per the Annual Assessment of UAE Space Economy – Conducted by UAESA in cooperation with FCSC.

# Summary & Conclusions

## Benefits derived from Space Technology Transfers



Indirect Effects from Space Programs (Technological, Commercial, Organizational, Work factor effects)