



وكالة الإمارات للفضاء  
UAE SPACE AGENCY

# High Level Forum National Space Policy Development.

22 Nov 2016

By: Space Policy and Regulations Directory



# Federal Decree Law No.1 of 2014 establishes the UAE Space Agency

## UAE Space Agency Objectives as Defined by the Decree\*

### Federal Decree Law No.1 of 2014



### Agency Objectives\*

- 1 **Organize, support and guide the Space sector to serve the interests of the State**
- 2 **Encourage the development and use of Space science and technology within the State and provide advice in this area**
- 3 **Establish international partnerships in the Space sector so as to enhance the State's role and status in the Space sector**
- 4 **Contribute to the diversification of the national economy through a developed national Space sector**
- 5 **Raise awareness of the importance of the Space sector and the development of the qualified human resources in the Space field**

\*this is translation from Official Law In Arabic Language

# Why Space Policy and Regulatory Framework

**Transparency**

**Ensure Safety, security, and environment protection**

**Healthy competition**

**Cooperation and harmonization**

**Economy of scale**

**Trust and attractiveness for investors**

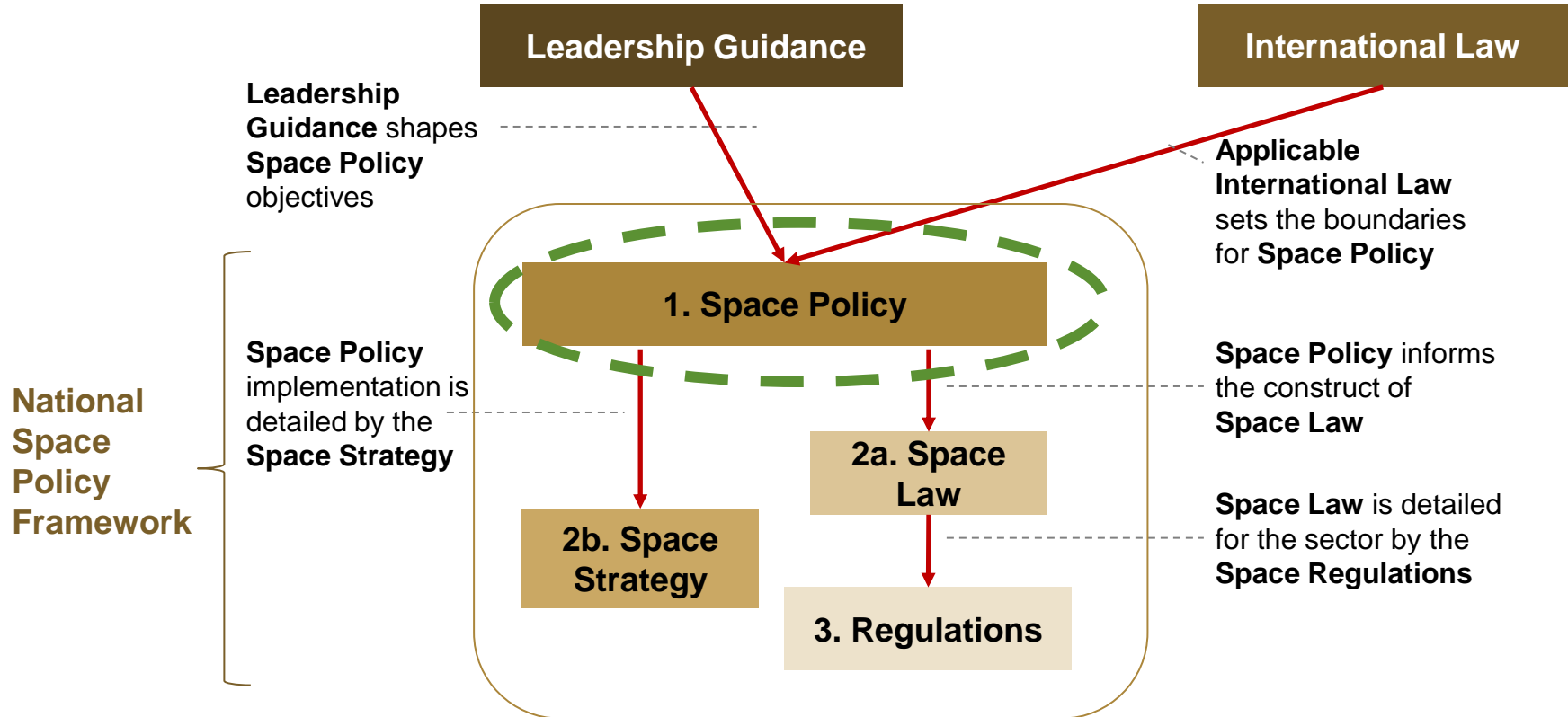
**Monitor Performance and Learning curve**



**Long Term  
Sustainability**



# Development of UAE Space Policy and Regulatory Framework

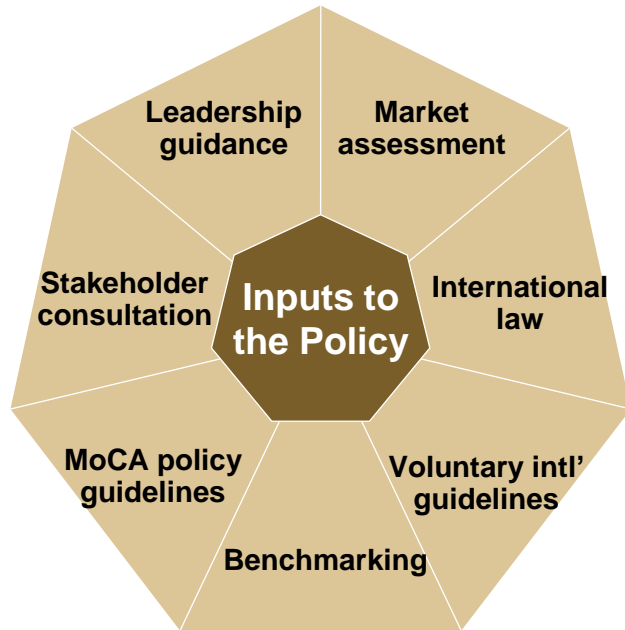


1. Other inputs used in developing the Regulations include international regulations, national space regulations of other countries and UAE national regulations from other sectors  
 Source: UAE Space Agency, & associated experts

The Policy articulates the Government's intentions for the space sector to its citizens, industry, international community and other stakeholders

## Summary of the UAE National Space Policy

Informed by leadership vision and best practices...



... and organized to provide clear guidance and accountability



... to deliver a compelling vision for our national space sector

**The UAE will develop a national space sector that:**

- Supports and **protects national interests** and vital industries;
- **Contributes to the diversification** and growth of the economy;
- **Boosts UAE specialized competencies;**
- **Develops scientific and technological capabilities;**
- **Engrains the culture of innovation and national pride,** and
- **Strengthens UAE's status and role regionally and globally.**

# The Policy Defines 5 Principles, 5 Goals and 8 Enablers for the UAE Space Program..

## 1 Principles

**P1. Enhance the Lives of our Citizens**

**P2. Support UAE National Interests**

**P3. Support Growth and Diversification of our Economy**

**P4. Promote Collaboration and Support UAE status**

**P5. Respect International Laws and Treaties**

## 2 Goals

**G1. Expand the Utilization of Space to Protect and Support Vital Sectors**

**G2. Develop a Sustainable, Competitive and Innovative Commercial Space Industry**

**G3. Conduct Scientific Space Missions**

**G4. Promote a Safe and Stable Space Environment**

**G5. Establish and Expand UAE's Leadership in Space**

## 3 Enablers

**E1. Continuous Awareness of the Importance of Space and its Activities**

**E2. Qualified UAE Space Professionals**

**E3. Effective and Attractive Space Regulatory Environment**

**E4. Active Management of Radiofrequency and Satellite Orbital Resources**

**E5. Effective Science, Technology and Innovation Programs**

**E6. National, Regional and Global Collaborations, Coordination and Partnerships**

**E7. Adequate Investment and Financial Support**

**E8. Supporting Facilities and Infrastructure**

# The Guidelines provide direction to stakeholders on activities needed to support and develop the sector

## 4 Guidelines

### GL1. National functions guidelines

- Provide support to national security capabilities
- Enhance national capabilities for disaster monitoring and response
- Support national activities in humanitarian aid
- Provide support to key UAE industries
- Utilizing space technology to improve the quality of life of UAE people
- Support national capabilities for natural resources management
- Support national initiatives for smart cities and e-government
- Support international efforts for promotion of sustainable space activities

### GL2. Science, technology and exploration guidelines

- Develop and encourage UAE scientific and aerospace engineering professionals
- Enhance land and climate observation and support environment protection
- Support national space technology development
- Create programs to support space exploration efforts
- Embark on space programs that increase UAE's status in this field

### GL3. Commercial sector guidelines

- Promote UAE products and services
- Support economic diversification and develop new markets
- Create a competitive and sustainable commercial space industry
- Promote and sustain innovation
- Promote creative entrepreneurship and commercial space projects
- Support the development of space industry standards

## 5 Implementation and governance

- Effective stewardship by the UAE Space Agency
- Active stakeholder involvement and coordination
- Assessment to identify gaps and opportunities
- Review and revision of the Space Policy



### **Recommendations from Part I:**

- 1- promote further the sharing of states space polices, as part of promoting transparency, cooperation, harmony, and share of experience
- 2- develop a model and best practice for countries (especially emerging ones) on the approach/methodology, structure and key components in developing National Space Policy.





# Space & Happiness





الإمارات السعيدة Happy UAE



United Arab Emirates



“Happiness of UAE citizens remains a top priority and permanent target of our federal and local governments”



# 1. Happiness and Positivity in Work

Happiness and Positivity Policies and Programs

Happiness and Positivity Services

Happy and Positive Work Environment

GOVERNMENT OF  
UNITED ARAB EMIRATES



حكومة  
الإمارات العربية المتحدة

## The United Arab Emirates Declaration of Happiness and Positivity

The Government of the United Arab Emirates believes that the achievement of happiness is a fundamental human goal and aspiration of all people. Happiness represents a holistic approach for development, wellbeing and prosperity, and it is the path towards a better world.

Happiness is the ultimate goal of the UAE government. Through its policies, plans, projects and services the government is committed to create the enabling environment for the happiness of the individuals, families and society. It is also committed to inspire them to adopt positivity as a fundamental value and enabler to realize themselves and their dreams and aspirations.

The UAE government works to capture and measure happiness, and is keen to pursue comprehensive and sustainable economic, social and environmental development in order to achieve happiness and prosperity of current and future generations. It also works to strengthen the culture of happiness and positivity as a lifestyle, in line with the ambition of the UAE society, its aspiration, customs and culture, and in a holistic manner across government, social and private institutions.

The members of the UAE society embody positive and noble values and they strive to choose happiness for their lives and the lives of their families and their organizations. This spirit is the engine of national economic development and social and cultural prosperity, and it provides an example of happy and positive humans for the world.

The UAE government aspires to play a key role in the international efforts to achieve happiness and positivity as a way toward global prosperity and wellbeing. It also aims for the country to become a global hub and destination for happiness and positivity.



# General Assembly

Distr.: General  
25 August 2011

Sixty-fifth session  
Agenda item 13

## Resolution adopted by the General Assembly

[without reference to a Main Committee (A/65/L.86 and Add.1)]

### 65/309. Happiness: towards a holistic approach to development

*The General Assembly,*

*Bearing in mind* the purposes and principles of the United Nations, as set forth in the Charter of the United Nations, which include the promotion of the economic advancement and social progress of all peoples,

*Conscious* that the pursuit of happiness is a fundamental human goal,

*Cognizant* that happiness as a universal goal and aspiration embodies the spirit of the Millennium Development Goals,

*Recognizing* that the gross domestic product indicator by nature was not designed to and does not adequately reflect the happiness and well-being of people in a country,

*Conscious* that unsustainable patterns of production and consumption can impede sustainable development, and recognizing the need for a more inclusive, equitable and balanced approach to economic growth that promotes sustainable development, poverty eradication, happiness and well-being of all peoples,

*Acknowledging* the need to promote sustainable development and achieve the Millennium Development Goals,

1. *Invites* Member States to pursue the elaboration of additional measures that better capture the importance of the pursuit of happiness and well-being in development with a view to guiding their public policies;

2. *Invites* those Member States that have taken initiatives to develop new indicators, and other initiatives, to share information thereon with the Secretary-General as a contribution to the United Nations development agenda, including the Millennium Development Goals;

3. *Welcomes* the offer of Bhutan to convene during the sixty-sixth session of the General Assembly a panel discussion on the theme of happiness and well-being;

4. *Invites* the Secretary-General to seek the views of Member States and relevant regional and international organizations on the pursuit of happiness and

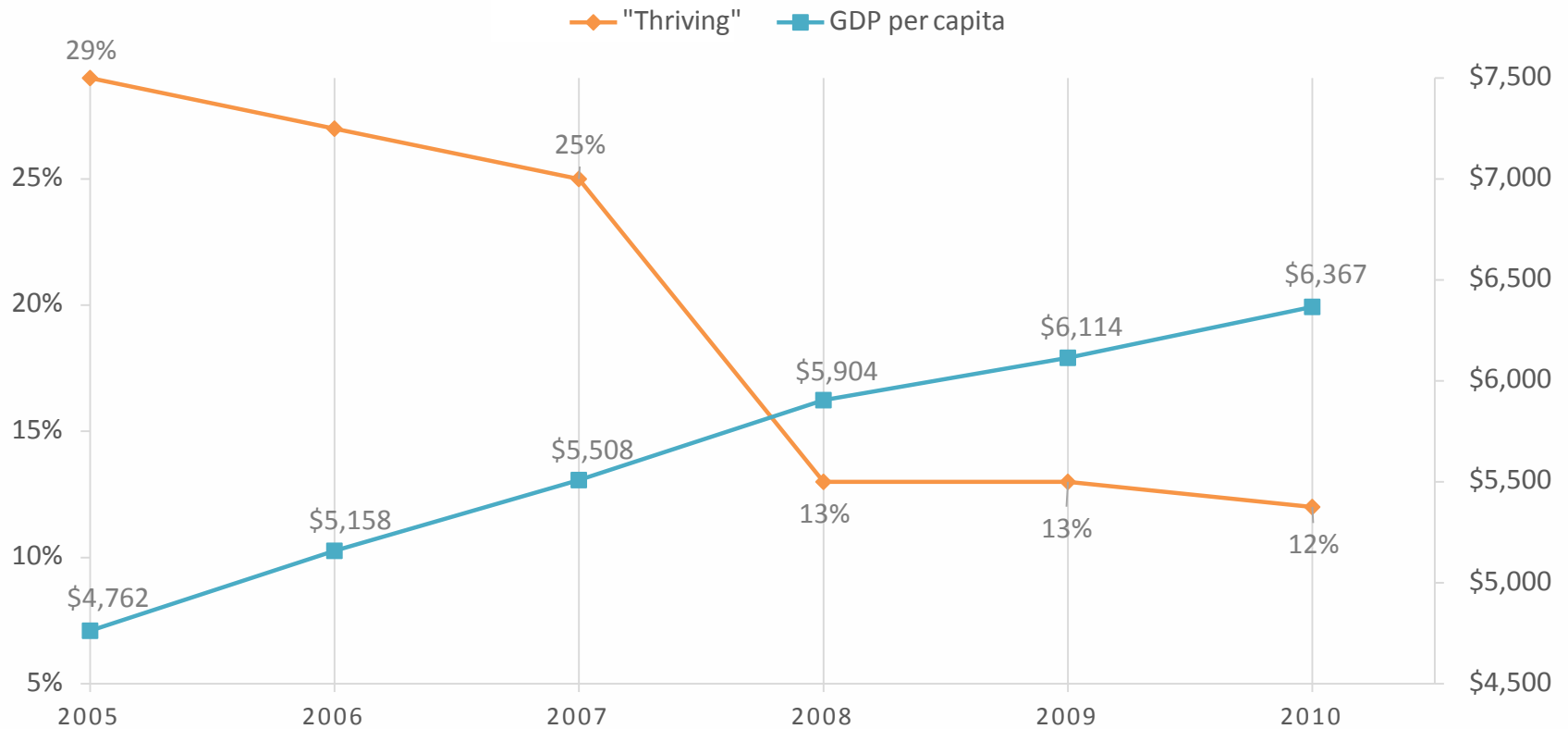


**“GDP is not a good measure of economic performance, it’s not a good measure of wellbeing”**

Joseph Stiglitz  
Nobel economist



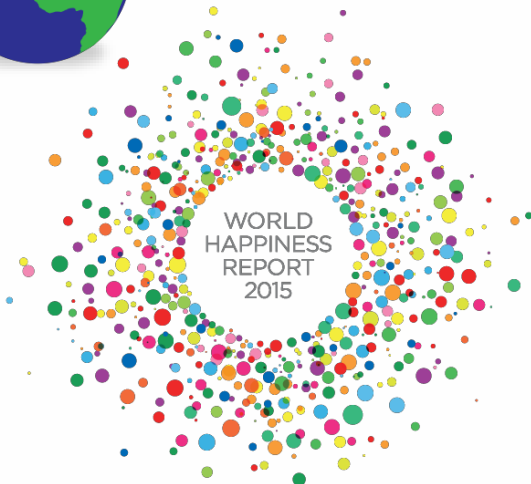
# Per capita income and "thriving" of an Arab country 2005-2010



Source: IMF and Gallup



# Happiness is currently measured across different levels



## Cantril ladder

1000 people are asked randomly via telephone



“On which step of the ladder would you say you personally feel you stand at this time”




## OECD Better Life Index



## GNH - Bhutan





The promising future is for those countries who are most successful in converting growth into happiness and well-being of their people..



**Recommendation from Part II:**

to further promote the Role of Space data, applications, science, and technologies in supporting countries to increase happiness and well-being to their people and people of the whole world.



# Thank you

