



ISYMUN

Increasing Safety and Regulation in outer space

Political committee :

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illustration of the debris situated in space.

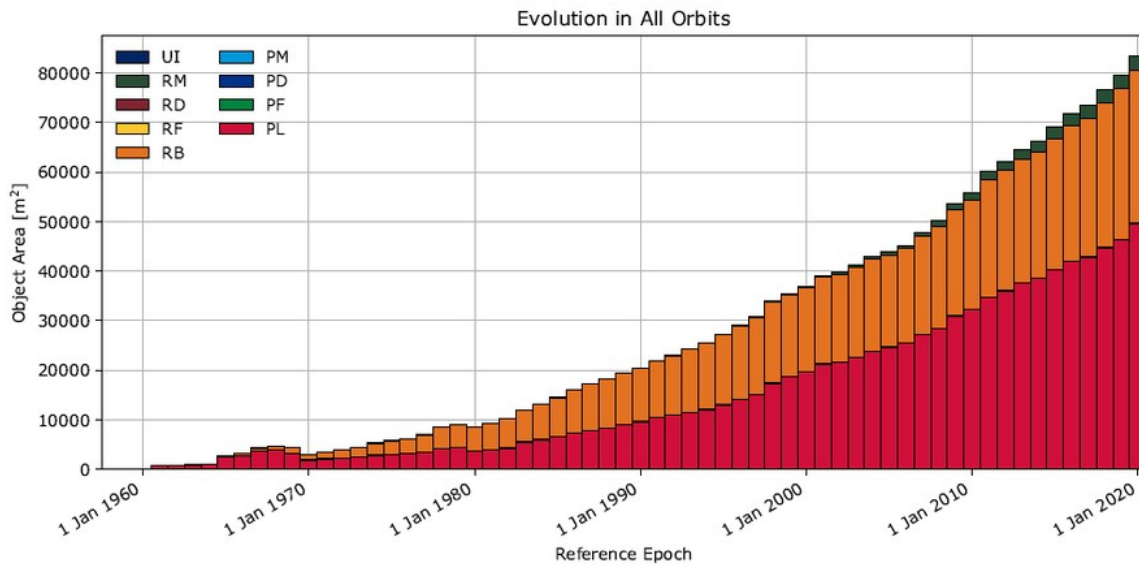
Introduction: In 1967 the UN members signed a treaty which established that all nations should have free access to space and that exploration of the cosmos should be a peaceful enterprise. Despite this, the major countries in the conquest of space sent a lot of satellite into space which is becoming to be very dangerous since some of them are not used anymore and could collide with the ISS if the debris spread themselves. Since then nothing has been decided to do with them.

key terms:

- Outer space : outer space is the physical universe beyond the earth's atmosphere.

General overview:

According to the NASA there are more than 27,000 pieces of orbital debris or « space junk » that are tracked by the department of defense's global space surveillance network.



(c) Evolution of area.

https://www.esa.int/Space_Safety/Space_Debris/The_current_state_of_space_debris

Red (PL) = Payload; Orange (RB) = Rocket Body; Dark Green (RM) = Rocket mission related object.

More over, according to the ESA and the NASA, there are 6,542 satellites orbiting the earth as of January 2022. Out of wich 3,372 are active and 3,170 are inactive. The UN announced 7,389 individual satellites in space at the end of april 2021.

Finally, over 75 different countries have at least one satellite orbiting around the earth.

Major actors:

France : This country is important since they are capable of launching their own satellites in space. France has over 26 satellites in space with many old ones which are unused and thus polluting the outer space.

Russia : Russia is one of the countries with the most satellites sent in outer space, this country is very important because they have been testing to launch missiles on satellites to destroy them which pollutes a lot. Moreover, this country is also the main one to pollute in outer space.

USA : USA is the country with the most satellites in space, they are around 3000 USA satellites in outer space. Most of them are not working anymore and are polluting the space area.

China : China is the second country with the most satellites in outer space after USA, they have over 600 satellites. Moreover, China is also the second most polluter in outer space with more than 3000 debris in space.

ESA : The European space agency is the fifth polluter in outer space, this organisation has among them important countries such as Germany or the United Kingdom.

African countries like Egypt or Nigeria are also important since they are the african countries with the most satellite in space.

Questions to consider/reflect on:

You can ask yourself how to reduce the danger of debris in space and what you country thinks about it.

You can also think about helping the LEDC'S to developp their satellite and objects in space so that they could be safer.

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Tips :

Go on the NASA, ESA websites and lookup the space programmes in order to know what did the countries did in the past, this will help you for blaming other countries.

It is by speaking that you will enjoy the MUN and build confidence to speak even more.

Don't be shy to go see you allies to see what they have done and researched to inspire yourself some ideas.

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Be well dressed, it helps with the self confidence since everyone will be well dressed.

Last and important, have fun playing the MUN.