

# THE CIVILIAN SPACE PROTOCOL

Release 1.1 – 30.03.2020



## PREAMBLE

2020 has challenged Earth's governments and people with a health and economic crisis with no precedent. Even we, space development advocates, had no idea of the human suffering and collateral effects that would touch our daily lives as humanity struggled to come together to face COVID-19 and the economic repercussions of failed global distribution and commerce systems. We knew that global pollution, depletion of resources, climate change, all threaten our survival as a civilized community. We knew that we are also causing the third greatest mass extinction in Earth's history, and that we risk being included in the list of the species that we caused to disappear. But now we are living a reality that goes beyond simply knowing.

Now is the time when we must learn to use renewable resources, recycle our waste, and do all that is needed to keep this planet hospitable for us, because we'll need it for a long time.

Among the factors making Planet Earth hospitable, social conditions play a primary role. Thus we must also find a path to further development. We cannot tell billions of people that they are not allowed to improve their living conditions because the environment would not tolerate it, nor tell other billions that they must reduce their standard of living for the same reason. The only way to foster both development and Earth's environment, both safety and personal freedom is finding new resources and new spaces outside this planet. Some might say "there is no planet B" but it is not true: there is the entire solar system, with immense resources, waiting to be taken!

We urgently need to bootstrap civilian space development, for the following reasons, at least:

1. To allow our 8-billion-person civilization find safety in new spaces, resources and energy to keep on developing our economies, culture, welfare, ethics, well-being, freedom and democracy.
2. To relaunch the global terrestrial economy by expanding the civilian astronautic industry and economy.
3. To access the great abundance of lunar and steroidal resources, assuring a virtually infinite material platform, decrease and eventually eliminate reasons for resource wars and social conflicts.
4. To relieve our mother planet from the burden of our industrial growth.
5. To move heavy industries outside our planet and transform it into a beautiful natural garden.

6. To create places where people can live outside of the Earth, on the Moon and other planets where possible, and even in artificial structures in space, orbiting around the Earth or in the Earth-Moon system.
7. To allow non-human species to keep on living on this planet in non-humanized habitats.

The signer's organizations recommend United Nations to add the 18<sup>th</sup> Sustainable Development Goal to the 2030 Agenda: "Bootstrapping Civilian Space Development". The text of the Civilian Space Protocol below illustrates the spirit and the contents of such goal: the meaningful initial steps on the path of civilian space development to be done within 2030.

The signer's organizations recommend the Governments of all Countries of Planet Earth to adopt the following "Civilian Space Protocol".

## THE CIVILIAN SPACE PROTOCOL



### *Considering*

- the impetuous growth of the New Space economy in many Countries;
- the fundamental and urgent contribution that industrial development in space can make to overcome the global crisis, to the economic development of all countries of Planet Earth, and to relaunching the planetary economy;
- the urgent need, for our civilization of 8 billion people, to find new spaces, resources and energy to keep on developing our economies, culture, welfare, ethics, freedom and democracy;
- the urgent need to access the great abundance of lunar, interplanetary and asteroidal resources, assuring a virtually infinite material supply platform; decreasing and eventually eliminating reasons for resource wars and social conflicts;
- the urgent need to relieve our mother planet from the burden of our industrial growth, mitigating the pollution of sea, air and land, as well as climate change;
- the urgent need to move heavy industries outside our planet, and to transform it into a beautiful natural garden;
- the urgent need to manifest compassion to non-human species, allowing them to keep on living on this planet in non-humanized habitats.

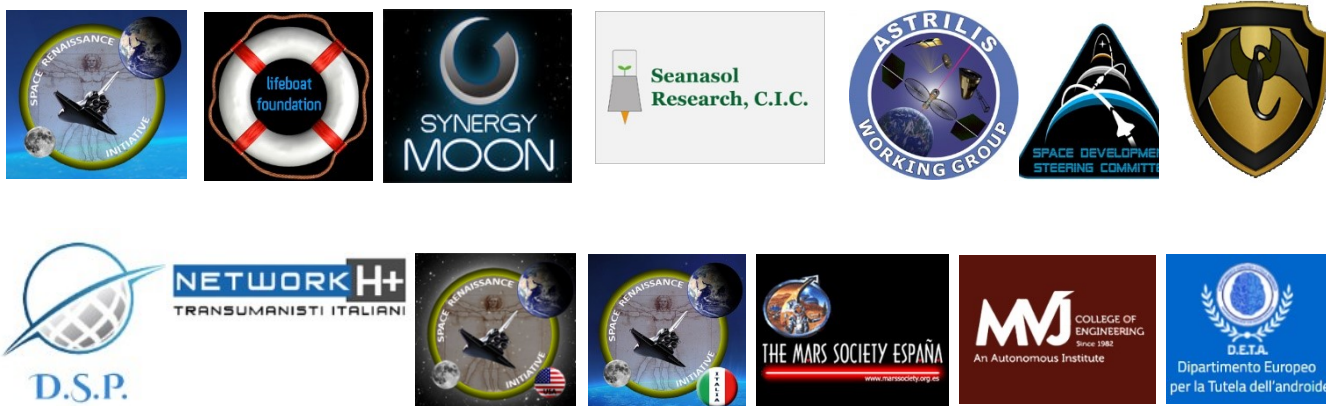
## ***All Governments of Planet Earth are strongly recommended***

1. To give priority to the following strands of research, all of which are essential to allow the transport, accommodation, and prolonged stay of people in space:
  - low-cost space transport systems for civilian goods and passengers,
  - low acceleration spacecrafts (both at launch and re-entry),
  - safe and comfortable atmospheric reentry mechanisms,
  - protection from cosmic radiation,
  - lunar habitats,
  - orbital habitats endowed with artificial gravity by rotation,
  - artificial green ecosystems in closed environments.
2. To facilitate the creation of an international coordination for the New Space sector, which will bring the space industries together with universities, research institutes and space agencies.
3. To define and adopt national laws for the removal and reuse of existing space scrap and debris, and the prevention of the creation of new debris, everywhere.
4. To support the sharing, by leading industries in the New Space sector, of the best practices for the creation of virtuous supply chains, including the development and maintenance of a database of the New Space companies and resources worldwide.
5. Mentoring by institutions for the allocation of regional, national and international funds to support the civilian space projects.
6. Developing a friendly policy towards New Space companies, through incentives to raise their competitiveness, leading to the hiring of both young graduates and experienced personnel.
7. Promoting the creation of Space Investment Funds, designed to support the development of the New Space industry.
8. To relocate at least 20% of the military expense to support the civilian space development.

### ***Final statement***

This protocol is recommended for adoption by the Governments of all Countries of Planet Earth.

The promoters of this protocol are available to talk to every Parliament and Legislature of Planet Earth upon invitation.



## Signer organizations:

Space Renaissance International (SRI)	<a href="https://spacerenaissance.space">https://spacerenaissance.space</a>
Lifeboat Foundation	<a href="https://lifeboat.com">https://lifeboat.com</a>
Synergy Moon	<a href="https://www.synergymoon.com/">https://www.synergymoon.com/</a>
Seanasol	<a href="https://seanasol.org/">https://seanasol.org/</a>
Astrilis Working Group	<a href="http://astrilis.org/">http://astrilis.org/</a>
Space Development Steering Committee	<a href="http://spacedevelopmentsteeringcommittee.org/">http://spacedevelopmentsteeringcommittee.org/</a>
Onyx Dragon, Inc.	<a href="http://www.onyx-dragon.com/">http://www.onyx-dragon.com/</a>
Danish Space Program Astronaut Education	<a href="http://www.dspae.com/">http://www.dspae.com/</a>
Network H+ Transumanisti Italiani	<a href="http://transumanisti.net/">http://transumanisti.net/</a>
Space Renaissance USA, Inc.	<a href="https://usa.spacerenaissance.space/">https://usa.spacerenaissance.space/</a>
Space Renaissance Italia	<a href="https://spacerenaissance.it/">https://spacerenaissance.it/</a>
The Mars Society España	<a href="https://marssociety.org.es/">https://marssociety.org.es/</a>
MV Jayaraman College of Engineering	<a href="https://www.mvjce.edu.in/">https://www.mvjce.edu.in/</a>
European Department for the Protection of Androids	<a href="https://detarobot.eu/">https://detarobot.eu/</a>

## List of revisions

Release #	Date	Author	Reasons of revision
1.1	30.03.2020	M. Perez	Update due to Covid19 emergency
1.0	29.02.2020	SRI Board	First issue

## Definitions

Term	Definition
Civilian	<ul style="list-style-type: none"> <li>– civil, non military, when referred to development;</li> <li>– when referred to people, it means people that didn't have any astronautic training, just like an airline or a ship passenger</li> </ul>