



Caelus Foundation

Our Vision and Mission

The future — the vast frontier of space — is here now before us. The Caelus Foundation envisions a potential future where safety, enlightenment, and prosperity for all living things on Earth and space can become a realizable dream. To ensure this outcome is achieved, the Caelus Foundation aspires to build a Community in Space™ to allow the world's nations and its peoples to establish newly viable, sustainable, and prosperous communities, business ventures, and scientific undertakings.

It is the goal of the Caelus Foundation to bring together the most forward-looking nations, the brightest scientific minds, the leading businesses and financial institutions, the greatest unified global organizations, and the general public to establish a Community in Space™ that will rival any other similar effort on Earth made by humankind. This endeavor is the single most significant opportunity for today's generations to influence and shape the future of our world and the universe. Community in Space™ stakeholders will have the chance to leave a powerful and lasting legacy.

To achieve this vision, the Caelus Foundation was established to advocate for broad participation in the space domain and to engage and empower people around the world to build a space-centric community through their decisions and actions.

Our Motivation and the Need for Community in Space™

Activity in space has been steadily rising, picking up momentum in the past few years. Today, space is a domain governed loosely by dated international treaties, motivated by scientific exploration and nation-state competition. However, it is also a globalized economy that reached \$384 billion in 2017. Historically, the primary players in space were nation-state defense and space agencies and the private contractors that support them. With growing demand from the public, the satellite and communications markets have matured. Recently, space has started to open up to a broader set of players pursuing activities to explore and learn, tap into new resources, send tourists into orbit, and eventually inhabit another major body such as the Moon or Mars. Such economic growth has unlimited potential — space could one day be a multi-trillion-dollar economy — and when it achieves this, it will impact the lives of people around the world more significantly than it does today.

Despite the opportunities in space beyond our currently established uses, barriers to participate have created an ecosystem that remains dependent on government funding or the passion of billionaires. This is one of the greatest challenges for space: participation. We have identified three underlying drivers of this problem:

- Lack of a cohesive strategy and supporting policies for developing space creates challenges for non-traditional space companies, the broader investor community, and the general public to devote time and resources to the development of space
- Earth and space pursuits occur in silos due to a lack of understanding about how to integrate the markets as an economic whole. Space companies operate independently of the Earth market equivalent, and Earth-based markets have a lack of understanding in expanding their capabilities into the space domain
- The needs of humankind in further developing space are not well understood as space has grown through exploration, scientific inquiry, and the pursuit of actionable intelligence,

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not through the lens of community building and market development. This has created a disconnect between the public and the many players pursuing activities in space.

The Community in Space™ concept is our approach to solve this problem and encourage broader participation in order to manifest a bright future for both space and Earth. It was designed to provide a common frame of reference to develop the requirements to sustain and improve the social, economic, and governing environment in space. We believe that defining a globally aligned, jointly developed framework for how people will pursue and navigate the unknowns of space from the outset will help us avoid a repeat of exploration and colonization history. We believe this is necessary in order to make advances in space to benefit humanity.

Our Organization and Team

The Caelus Foundation was founded as a nonprofit corporation in Washington, D.C. at the beginning of 2018 because we saw a need for such an organization in realizing our vision for building a Community in Space™. Our organization will be formally launched in July 2019, concurrent with the 50th anniversary of the first step of man on the Moon (Apollo 11). We have chosen this date both to celebrate the progress made in exploring space over the last 50 years and to mark a momentous change we will help shape for the next 50 years in developing space: a transition from siloed nation-state efforts to global collaboration. Over the course of the next year, we will be preparing for our launch by solidifying and advancing our organization along three core pillars.

The Caelus Foundation will deliver its mission through these three pillars:

- **Multi-stakeholder collaboration:** advancing intersector, interdisciplinary, and international collaboration in the space domain by cultivating impactful dialogue and cooperation
- **Research and dissemination:** deepening actors' holistic understanding of the space domain by developing new insights and integrated knowledge
- **Public engagement:** engaging the public in opportunities to shape or develop the space domain by meaningfully connecting these opportunities to people's everyday lives

Our team has a powerful combination of capabilities that will be necessary to achieve our vision and mission. We have collectively navigated complex situations through deep understanding of stakeholder needs and motivations across the nonprofit, government, and business sectors to achieve challenging goals. We have a unique perspective on the future of space that is not constrained by current conditions. Our Board Chairman is Jose Ocasio-Christian, a seasoned US Army Veteran and an expert in developing global strategies and establishing communities that will grow into thriving economies. The Community in Space™ concept originated with Jose. Our Executive Director is ToTran Nguyen, a PhD Candidate at the University of Leuven in Belgium who specializes in cross-sector social partnerships. Our Board Treasurer is Kelsey Ocasio-Christian, a management consultant and Wharton MBA, with experience leading global growth and transformation endeavors in the private and nonprofit sectors. Our Board Secretary is Micah Walter-Range, an experienced and well-known analyst for the global space industry. Our Board Member is Christine Contant, who operates in the biotechnology industry and is a leader in small group dialogue and concept development. Our broader team includes experts in public engagement, policy development and advocacy, community building, and donor relationships.