

Brazil, Item 4

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"Good day from Brazil, of course I would like to be with you in person, since we cannot do this nowadays, I hope this recorded video will make it. First of all, I would like to emphasize the importance of COPUOS, if we think about what is happening today, with COVID, we need the union, the collaboration of many countries to solve big problems. We need to share information, we need the science to work together. Same way for the challenge, that we have for space exploration. So COPUOS is a very important organization to bring together countries, to share information, to bring ideas, to bring demands we can share and we can work together to solve. So, congratulations to COPUOS, first of all, and all the members of COPUOS working here in this session. Also, I would like to emphasize our fully commitment from Brazil, to collaborate with UNOOSA and COPUOS in all the initiatives, that we have here. And about the space program, the Brazilian Space Program, I would like to talk about six points, pretty much six points. First one, is about the infrastructure, as you know, we have the Alcântara Space Port, being include now for commercial use. Recently we launched a call, international call, so we have now four companies working with us, three from US, one from Canada. We are going to launch a second call, international call, so we expect to have other countries participating with us, so please other representatives here, take this in consideration, that we can work together here in Brazil. We have a wonderful location, we have a wonderful infrastructure, that we can use for launching, specially for low angle orbits. We have more about infrastructure, but because of the time, let me go to the second point here, which is space systems, the development of space systems in Brazil, including satellite. As you know, recently we launched the "Amazônia 1", satellite, completely designed and built and operated by Brazil. Thanks for India, for the launch, we worked in partnership with India for the launch of the satellite, that was a perfect launch perfect insertion in orbit and the satellite is now working perfectly in space. Now, we are working in the second edition of "Amazônia", the "Amazônia 2", and in "Amazônia 2", we are working with China on developing the satellite with synthetic aperture radar, and this will be just the beginning of this new era of satellites in Brazil, we also have constellations of satellites, nanosatellites we are building with universities and research centers here. The idea is not only, of course, the use of the satellite, but also to incentivate, to bring students to the space program in Brazil, Also, we just signed with the BRICS constellation, with the BRICS, wich is really, really important in this sense, and we have all the other systems being developed here in Brazil and we are completely open for partnership. In the third point here, I would like to talk about rockets, we are also developing brazilian rockets, of course having the space port here in Brazil, having satellites built, designed in Brazil, we need rockets also, so we are developing rockets here in Brazil, I hope next year we are going to have some launches of our national rockets here and of course we are, as I said in the beginning, we are open also for companies to work with us in

Alcântara, bringing rockets from other countries, commercial rockets to work with us too. Space applications, this is the fourth point here, space applications is a open field, we need companies, we are investing in brazilian companies, startups to build applications of space, that can be for agriculture, can be for many different aspects, we have a new national institute for ocean research, for example, is one of the applications, and so is a open field for partnership as well. Fifth point here is about regulation, we are working with the brazilian regulation, to update the regulation, to bring up to date with the international standards and also to be able to use the commercial side of the space program here in Brazil. And finally, the last point here is about partnership, which is the major point here, of course we have representatives of many countries here, I am also inviting the countries to work with us, we have already some of the programs in place and working for example, the Artemis program, with NASA and other countries, that will be very important to develop space systems here in Brazil, also for research, also for the companies, also for the students, so a very important program. We have also partnership with Israel, Colombia, just signed a partnership with Colombia here in South America, also I hope we can participate with China and Russia in a lunar research, also with the UNOOSA, I would like to bring here this invitation for Dubai on October 21st and 22nd in Dubai, we have the "Space for Women", an initiative together with UNOOSA, so I hope we can also bring the girls to the space program and for the science is really, really important. And finally, I would like to emphasize that we have to work together, we have big challenges in front of us, before us in the near future, like climate change and also good things for example digital transformation, other problems, with water for example, so many things, agriculture, production of food, so we have to work together in order to solve those problems, like we are doing now with COVID and space programs, a wonder future, in order for us to work together. So, again, I am emphasizing here, that Brazil is fully committed with UNOOSA and COPUOS to cooperate with all the initiatives and endeavors for the good of the crew of our beautiful spacecraft, that we call Earth. Thank you very much, I hope next time I can talk to you in person"