

SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Space Culture –Public Engagement in Space through Culture (9)

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ESAT MX, SCHOOL OF SATELLITES, SOCIAL IMPACT OF LEARNING TO BUILD SATELLITES  
IN A DEVELOPING COUNTRY.

**Abstract**

Place and date: Mexico, October, 2010, a country facing a drugs war that had killed over 30,000 people by then. The Mexican Space Collective, a group of artists started designing small satellites as pieces of art. The objective was to prove that reality could be changed from a citizens point of action even in such desperate times. 6 years later, the MSC has changed reality and has sparked "the other space race" in Mexico. We have finished 5 satellites, 2 of them certified for space. This knowledge acquired is unique in a society of a developing country like Mexico. In order not to lose all this experience a new concept of transfer of technology was created, a school of satellites. ESAT MX, a new way to approach knowledge, a way of learning based on learning about mission objectives. A school that explores several dialogues, reviews previous conversations. We start in the very basics, defining the word "mission". What is exactly the pyramid that Mexico has to build in order to become "developed"? We are drawing our technological map based on our experience of 6 years working actively in starting the Mexican space race. We are designing what we call "the conversation". Our presentation is about art, science and becoming social. We are changing the conversation. It is not exactly a STEAM paradigm. A local solution that is actually universal. We are working from the arts and exploring how to generate a concept of future from a construction that has to do with language, the power of being a citizen, absence of infrastructure, absence of budget, absence of government. We call it poetry.