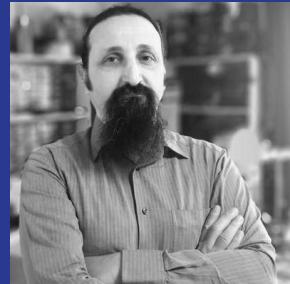


Collaborating with children for all our space projects



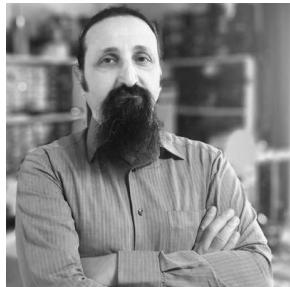
Baris DINC
TA7W / OH2UDS
Mars On Earth Project

PocketCube Workshop 2021

WHY?



A space enthusiast



Baris DINC
Mars On Earth Project Co-Founder



Instead of what can be done we prefer to talk about what we have done already...
and discuss how far we can carry this mission

Who we are



- The "Mars on Earth Project" is a voluntary and **non-profit community**.
- Team of engineers, teachers / instructors, Researchers, radio amateurs and volunteers from various professions.

We work with the **KIDS**, we work for the **future**...

MoEP details with numbers



127

Volunteers (Total)



67

Volunteer (Female)



60

Volunteer (Male)



12

Project



6

Software



17

Electronics



3



Geology



14

Teacher



15

Student



4

Linux/Network



7

Mekanik/Maker



15

Biology



22

Hamradio Enthusiast



6

Astronomi



COUNTRIES

- AZERBAIJAN
- BRAZIL
- CHILE
- COLOMBIA
- EGYPT
- FINLAND
- INDIA
- IRAN
- KUWAIT
- MEXICO
- TURKEY

Our Aim

As the **Mars on Earth Project** community,

- It is a study that was initiated to raise awareness about the recent studies on Mars and to create a basis for future studies.
- Taking theoretical knowledge one step further by projects
- In a completely open source and comprehensive projects
 - Communication stations,
 - Satellite / Space communication,
 - Radio Astronomy,
 - Deep Space Observation in a region chosen as a pilot.
- On the other hand, priority has been given to case studies in which our teachers can participate with their students or as school clubs.
 - Model Mars Rover
 - Mini Mars Base

And a “**Mars on Earth Environment**” in 1000 square meter area

- The audience of the project is all enthusiasts, especially **KIDs and students**

THE MARS HABITAT

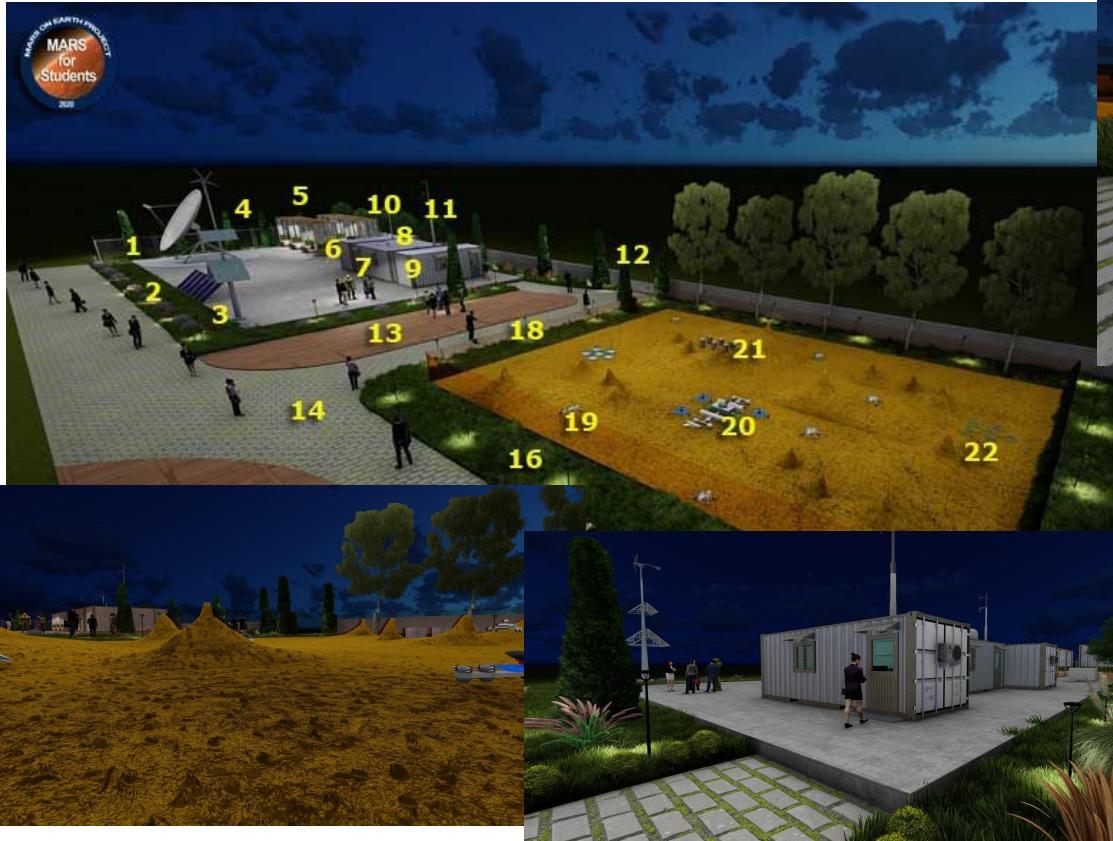
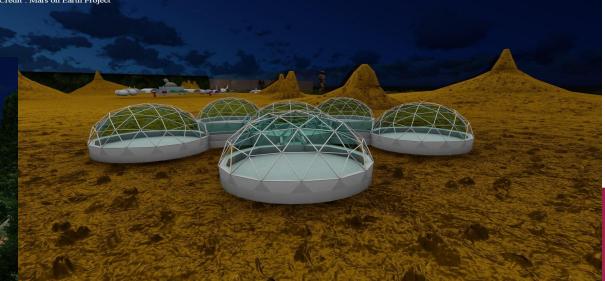


Image Credit : Mars on Earth Project



Please visit <https://marsonearthproject.org/dunyadaki-mars-yerleske-tanitim/> for more detailed information

COMMAND AND CONTROL CENTRE



Completed Sample Activities

- Mars from the kid's view (painting)
 - 157 kid draw their dreams about Mars, pictures are sent to space using a high frequency equipment
- Mars Stories
 - Kids wrote stories about Mars, we prepared animations and published them
- Habitat Marte
 - We're in close contact with Habitat Marte Team in Brasil
- Analog Astronauts Training Programs
 - With Habitat Marte Team in Brasil
- Kids Space Force
 - We gather KIDS together (online) to discuss Space Technology
- Model Mars Bases
 - An IoT connected Mars Model Base that all kids run in their home/schoool (all connected)
- Mars Rover
 - Remotely controlled MARS ROVERS to simulate controlling a Rover in Mars from Earth (with communication delays)
- Fox Hunting on Satellite
 - A new game on satellites for everybody

Mars Bases



Mars On Earth Project

- E** Threads
- B** All DMs
- MO** Mentions & reactions
- MT** Slack Connect
- MT** More
- Channels**
 - 00-a-uyeler-arasi-tartisma
 - 00-b-amator-telsiz
 - 00-c-amator-kitler-arge
 - 02-a-model-mars-rover
 - 02-b-rover-yudu-deep-space-network-dsn
 - 03-a-uzak-us-mars-77-1
 - 03-b-uzak-us-mars-34-1
 - 03-d-uzak-us-mars-10-1
 - 03-k-uzak-us-mars-09-1
 - 03-maket-mars-usleri
 - 04-analog-istasyon-habitat
 - 05-analog-istasyon-habitat
 - 08-a-biyoloji-lab
 - 08-b-biyoloji-genel
 - 09-astronomi-genel
 - 10-astronomi-radyo
 - 16-a-oyun-gelistirme-ar-ge
 - 17-robotik-ugulama-gelistirme
 - 18-dmp-sds-ortak-grup
 - 19-brazil-habitat-marte-moep
 - 19-brazil-turkey-mars-friendship
 - 90-web-kronolojisi
 - 91-eh3ku
 - 92-iss-etkinligi
 - 95-taob-dmp-ortak-grup
- # general**



KIDs SPACE FORCE

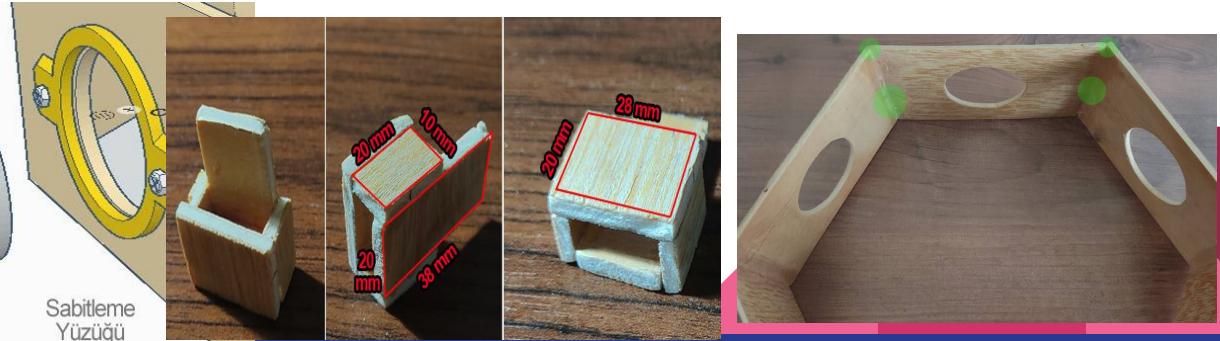
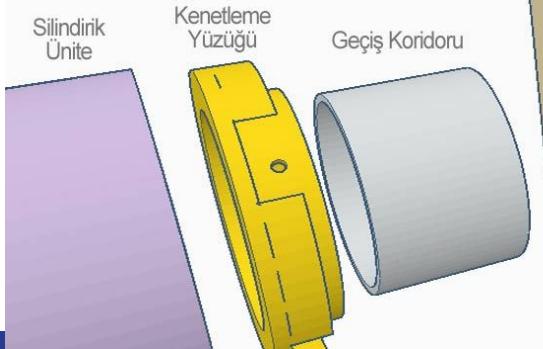
Join To Our Space Team with Your Projects

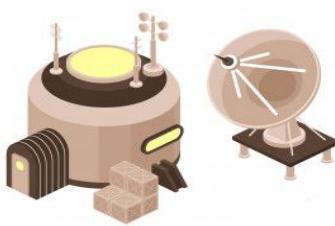
(Mars On Earth Project)

Çocuk Uzay Gücü



Build Your Own Mars Base and Connect

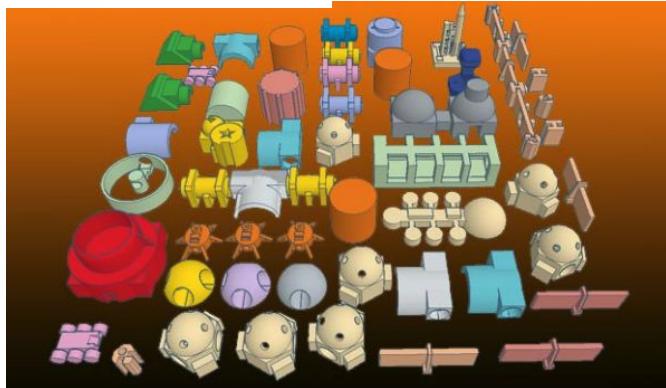




Mini MARS Base (3D Printed and Connected)

The Easiest Way to join the community

Mars Ussu



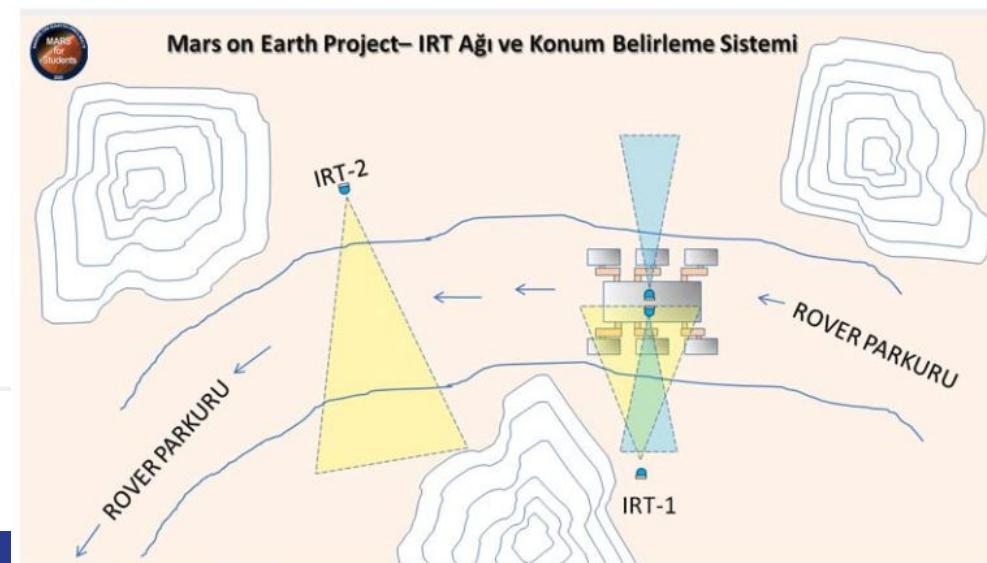
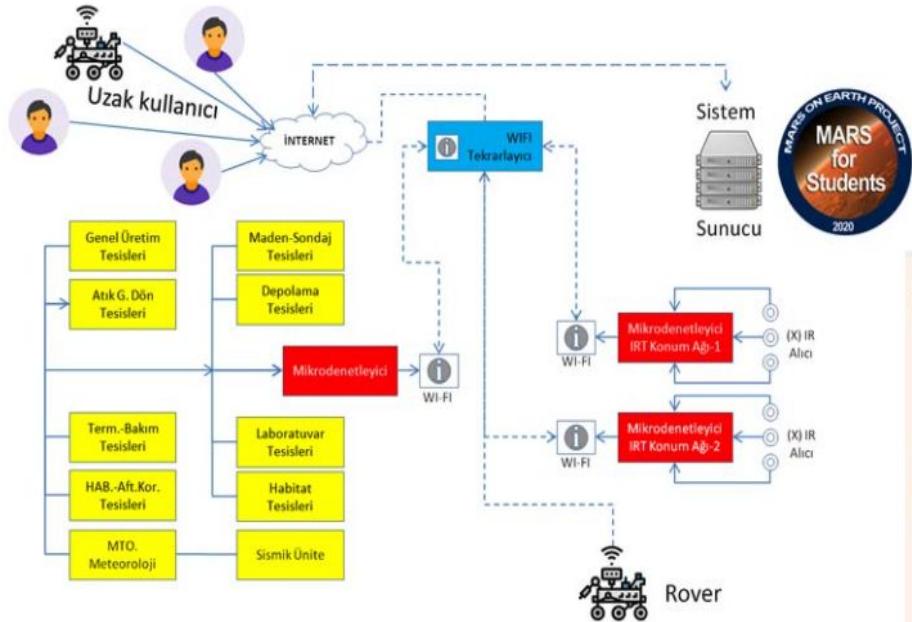
Number of Mars bases registered in the system [214] Active Base [202] Passive [5] Pending [7]

Base ID	Status	Base Name	Country	City	T-1	T-2	L-1	Crew Leader	Team Mentor	Base Detail
M02545418		Yuva-219	Turkey	Çanakkale	29	-10	254	Nilay U.	Serenay U.	
M07847820		Kargi-541	Turkey	Ankara	26	-1	714	Kahraman T.	Doğan E.	
M07845414		Mızrak-985	Turkey	Kars	12	-2	258	Defne K.	Çelebi K.	
M07833415		Planeetta-917	Finland	Lappeenranta	7	-12	418	Johan L.	Nikolas F.	
M07833658		Planeetta-918	Finland	Tampere	3	-14	376	Nil O.	Nil O.	
M07831822		Marte-822	Brazil	Jandaira	7	9	624	Aleece M.	Andresa L.	

[Previous Page](#) - [Next Page](#) [« 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 ... »]

Command a Rover With Your Team, Feel the distance

This application allows KIDs to feel the latency for Interstellar Communciation



Connected Model Mars Base

Connect to our IoT Mars Base Project from your School/Home

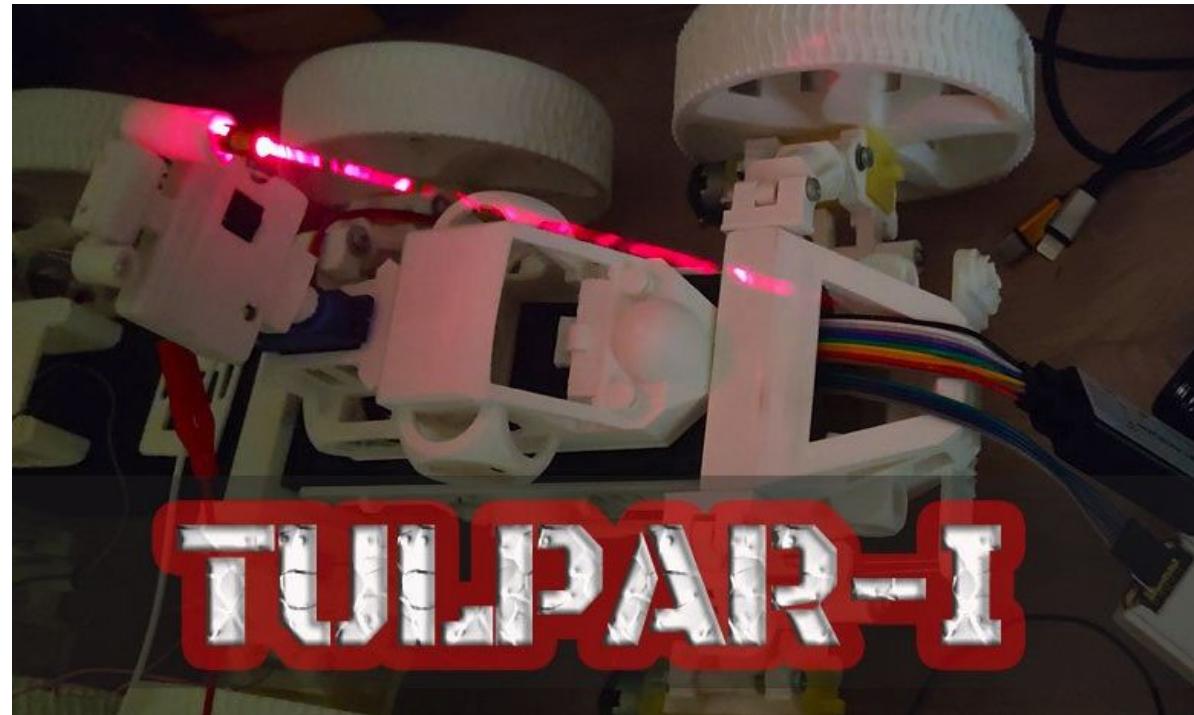
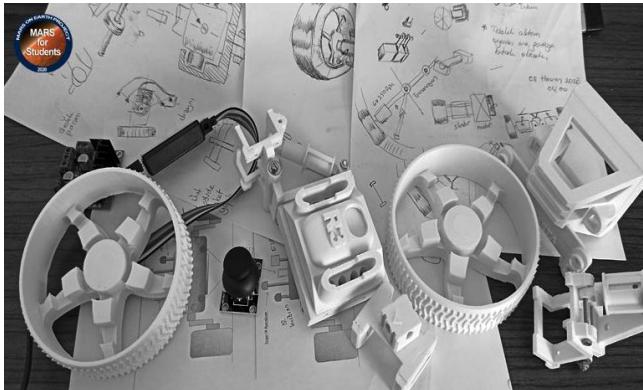
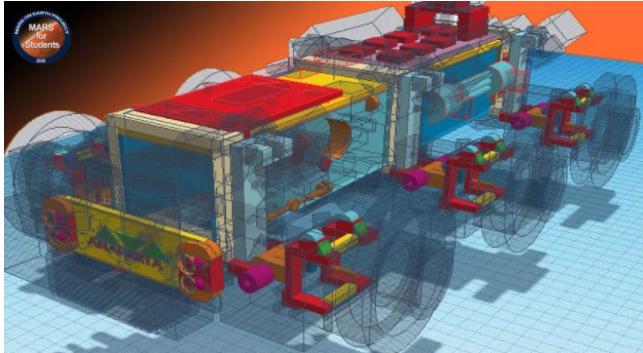




NextGen MARS Rover Design Activity (TULPAR)

Help Us to Design a Next Generation MARS ROVER

Mars Model Rover



PICTURES OF MARS (Imagined and drawn by KIDS and sent to Space by the Team)





146



145



© www.marsonearthproject.org

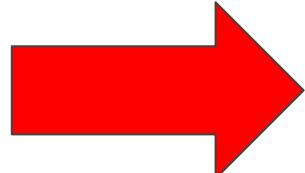


098



148

SPACE WILL BE THE PLAYGROUND OF THE NEXT GENERATION

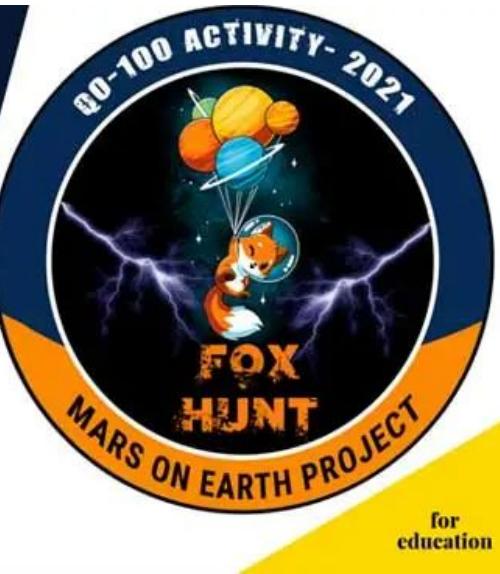


FOXHUNTING on the Satellites

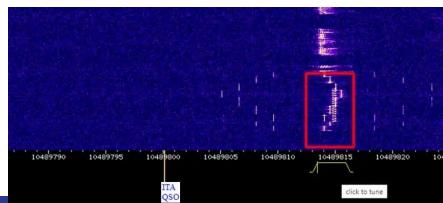
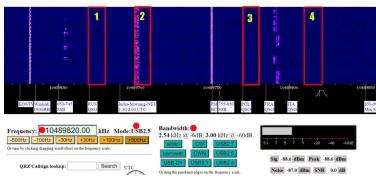


Fox Hunting on QO-100

15-16 MAY 2021



for
education



A grid-based secret message decode area. The grid consists of 16 rows and 16 columns of gray squares. To the left of the grid, the word "FOX HUNT-SECRET MESSAGE DECODE" is written. To the right, there are two binder clips. On the far right, there is a small circular logo for "QO-100 ACTIVITY - 2021 FOX HUNT MARS ON EARTH PROJECT". Below the grid, the text "MARS ON EARTH PROJECT ACTIVITY" is followed by the website "marsonearthproject.org" and the email "marsonearthproject@gmail.com".

FOX HUNT EVENT RESULTS

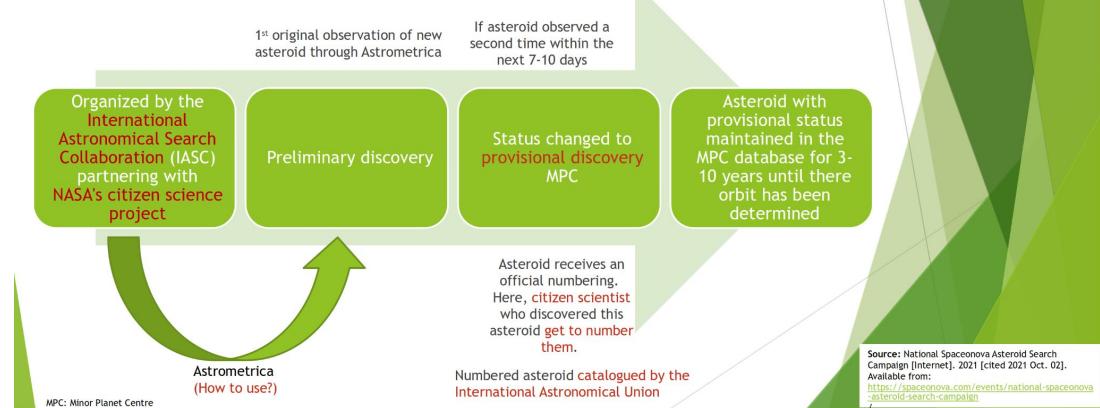




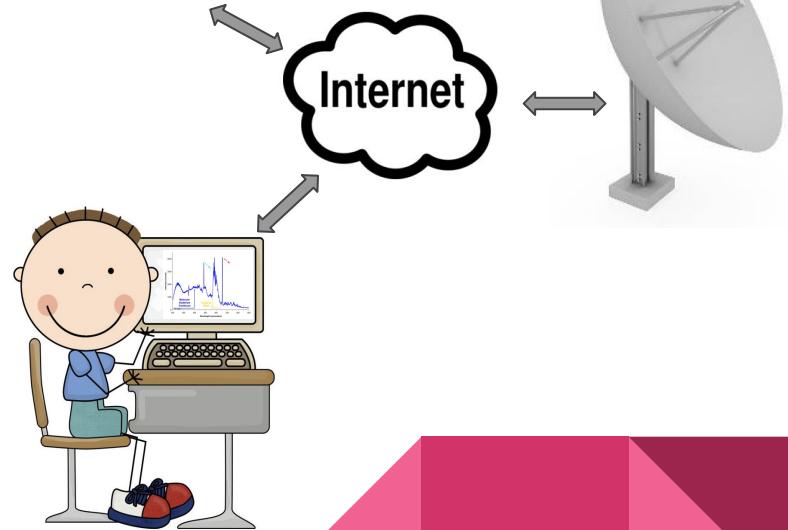
Mars on Earth Project Community's

1st International Asteroid Search Campaign

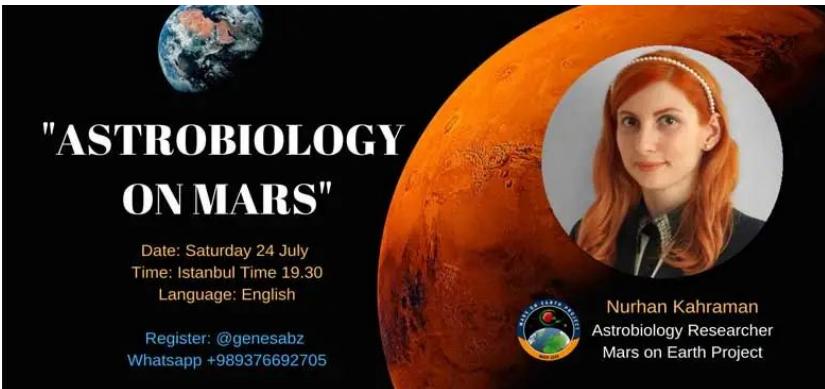
Introduction to 'Asteroid Search Campaign'



RADIO ASTRONOMY and DEEP SPACE COMMUNICATION



Presentations & Trainings





Nurhan KAHRAMAN

Astrobiology Researcher

"75th International Virtual Mission" organized by Habitat Marte – Brazil Mars Research Station

Role : Sanitization Station Chief



Zeynep EŞ

Molecular Biologist

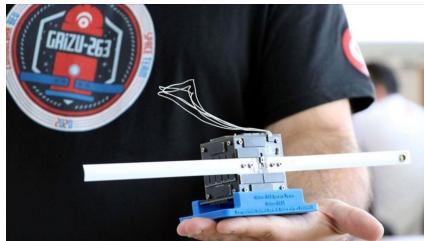
"78th International Virtual Mission" organized by the Habitat Marte – Brazil Mars Research Station.

SATELLITE PROJECTS

CubeSAT, PocketQube and CANSAT

Projects supported/being supported by the team

- ITUPSAT (2010)
- TURKSAT-3USAT (2013)
- HAVELSAT/BEAGLESAT (2017)
- UBAKUSAT (2018)
- Grizu-263 (waiting for launch)
- ASELSAT (2021 Ground Station)
- CANSAT Teams
- Rocket Teams



With the experience of developing modules for small satellites MoEP is planning to finish the design of a new small satellite in close future.

Moep-Teknik ▾

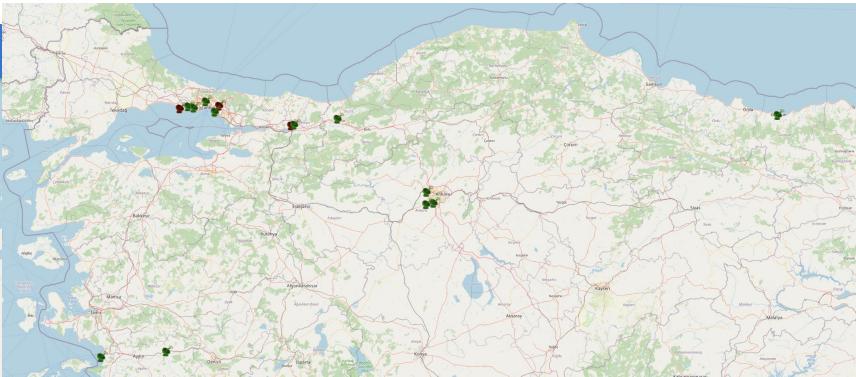
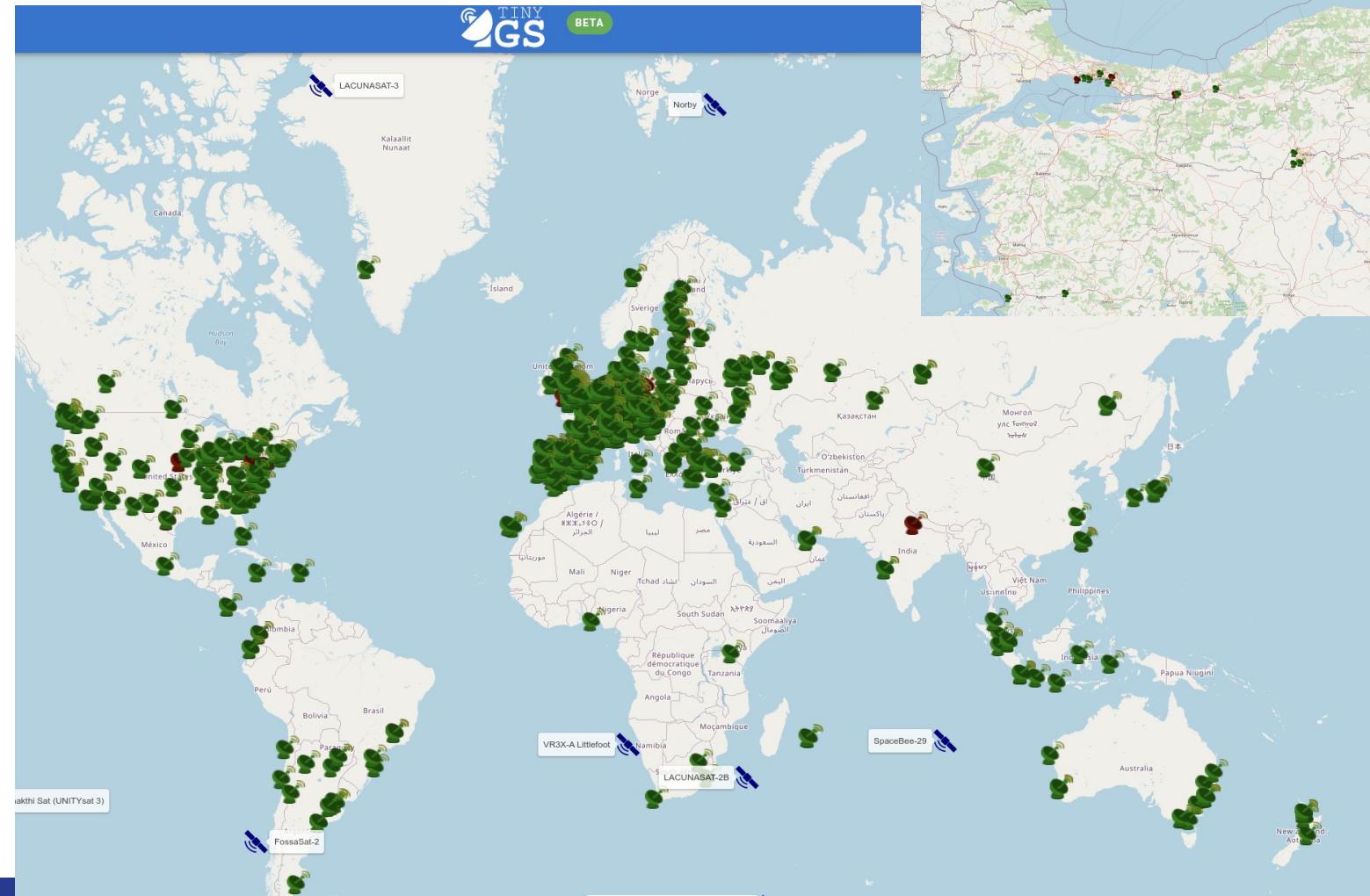
- Threads
- All DMs
- Mentions & reactions
- Slack Connect
- More

Channels

- 06-z-cansat-astrosat
- 34-a-grenadron-ih-a-elektronik
- 34-b-grenadron-ih-a-yazilim
- 34-c-grenadron-ih-a-mekanik
- 34-d-grenadron-ih-a-genel
- 34-iu-roket-ve-uzay-kulubu
- 34-mmktk-lupus-model-uydu
- 34-mmktk-lupus-roket-takimi
- 34-yildiz-roket-takimi
- 34-z-cansat-bozacilar
- 34-z-cansat-pegasus
- 67-uydu-grizu-263

amatör-teknik

general



THE POWER OF

WHY?

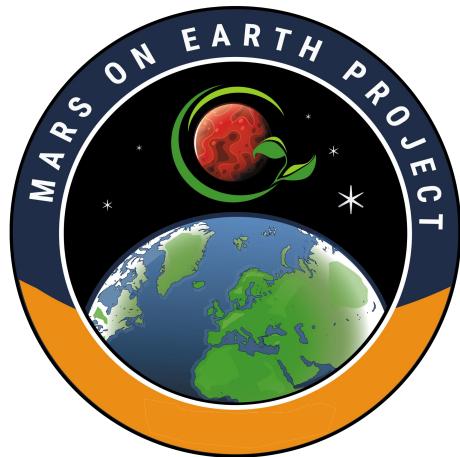
GET AT LEAST ONE NEXT GENERATION VOLUNTEER INTO YOUR PROJECT

YOUR TEAM WILL START THINKING WIDER



WE WILL HANDOVER EVERYTHING TO THEM SOON

WHY NOT NOW ?



Collaborating with children for all our space projects
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TA7W / OH2UDS
Mars On Earth Project

PocketCube Workshop 2021

<https://www.marsonearthproject.org>