


NASA Flight Opportunities
Achieving Small Business Goals through Flight Testing Space Tech
Solange Massa, M.D. Ph.D., Ecoatoms, Inc.
Apostolos "Laki" Vlachos, Blue Origin
Community of Practice Webinar Series – May 1, 2024
Session will start at 10 a.m. PT – Please mute your microphone and turn off your camera
www.nasa.gov

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Welcome to the Community of Practice Webinar Series!


First, a bit of housekeeping...

- Please mute your microphone and turn off your camera
- Today's session will be recorded
- Recordings for this and all future sessions will be posted on the Flight Opportunities website
- Please engage!
 - Use the chat throughout the session to ask questions

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Welcome to the Community of Practice Webinar Series!


Flight Opportunities hopes these webinars will enable researchers, program staff, and flight providers to connect informally and share information

- Designed to distill and share the most important lessons learned to:
 - Increase the impact of suborbital flight tests
 - Transfer best practices
 - Optimize the experience of current and prospective program participants
- Part of a broad effort to capture, organize, and communicate lessons learned by suborbital researchers
- An opportunity to hear from subject matter experts on best practices for preparing for suborbital flight tests

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Join us for future Community of Practice webinars!

Subscribe to our newsletter for updates on future webinars!

<https://www.nasa.gov/directorates/spacetech/flightopportunities/newsletter>

Future webinars


- Webinars are held 1st Wednesday of each month at 10 a.m. PT
- Topics will be announced in the Flight Opportunities newsletter and website
- Session recordings will be posted on the Flight Opportunities website
- Let us know session topics you would like to see covered

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Today's Speakers




Solange Massa, M.D. Ph.D.
Founder and CEO
Ecoatoms, Inc.





Laki Vlachos
Senior Payload Integration Manager
Blue Origin

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Community of Practice
May 2024 | Dr. Solange Massa

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ECOATOMS

IN-SPACE R&D AND MANUFACTURING

Solange Massa MD PHD - CEO

 www.ecoatoms.com  solange@ecoatoms.com

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OUR FIRST MISSION

THE 1ST SPACE BATCH MANUFACTURER

272 BIOMEDICAL SENSORS

PROCESS: COATINGS IN MICROGRAVITY

1ST PAYLOAD: ECO-S / DEC 2023

NASA, Partners Continue to Advance Space Tech on Suborbital Flights



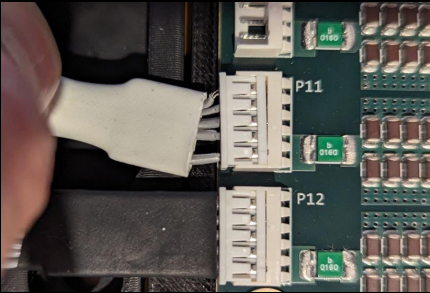
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LESSONS LEARNED

"YOU ARE NOT A SPACE COMPANY TILL YOU FLY"

500 sensors in a twin payload
One worked
272 sensors to be analyzed
Camera failure

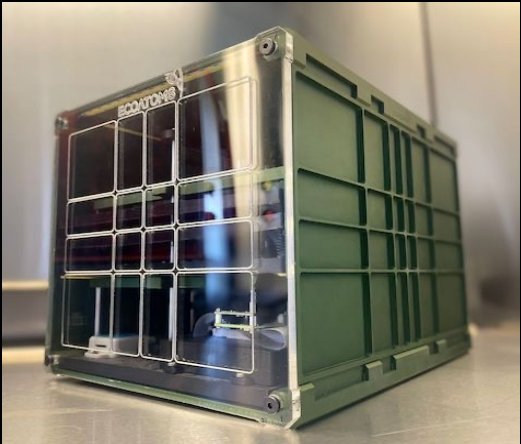
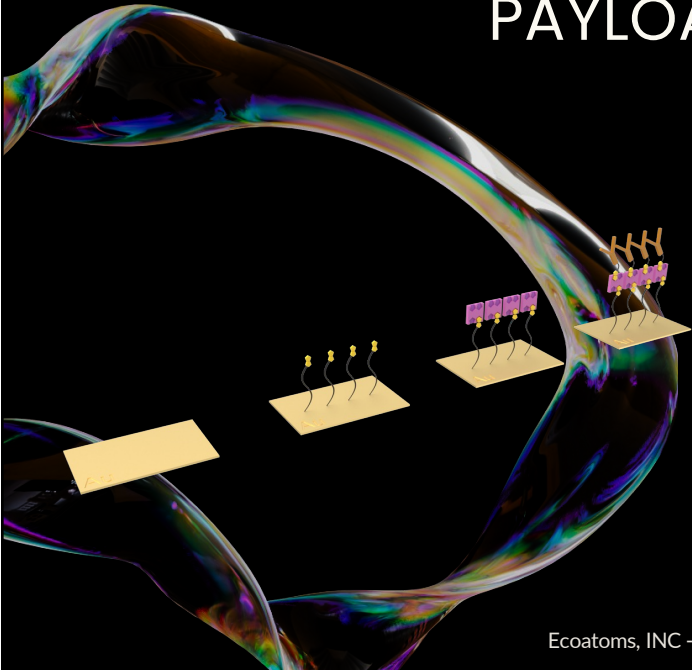


```
File Edit Tabs Help
GNU nano 5.4          ecoatoms.desktop
[desktop Entry]
Type=Application
Name=Ecoatoms
Exec=/usr/bin/python3 /home/pi/Downloads/BootPy.py
```

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PAYLOAD



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CONFIRMED MISSIONS

	SUBORBITAL	ORBITAL	ORBITAL
Q + Year (expected)	Q1 2025	Q1 2025	Q1 2025
Product			
Support		Global fortune 500 customer	Lunar development
Flight	Blue Origin	Capsule SpaceX	Capsule SpaceX

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ECOATOMS

END TO END IMPLEMENTATION


FROM EXPERIMENT DESIGN ALL THE WAY TO SPACE, ECOATOMS GOES FROM EARLY RESEARCH ALL THE WAY TO FINAL TESTING AND VEHICLE INTEGRATION.


FIXED PRICING PER PAYLOAD

WE HAVE A MEDIUM AND A BIG PAYLOAD WITH NO PRICING VARIABILITY. YOU CHOOSE YOUR FLIGHT AND WE USE THE PAYLOAD THAT BEST ADAPTS TO YOUR NEEDS.

FROM SUBORBITAL TO LUNAR

FROM THE SUBORBITAL SPACE TO THE LUNAR ENVIRONMENT OUR PAYLOADS PERFORM WITH MINIMAL ADAPTATIONS.





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COLABORATIONS

- UNIVERSITIES
- CORPORATIONS
- GOVERNMENT AGENCIES
- COMMERCIAL PARTNERS



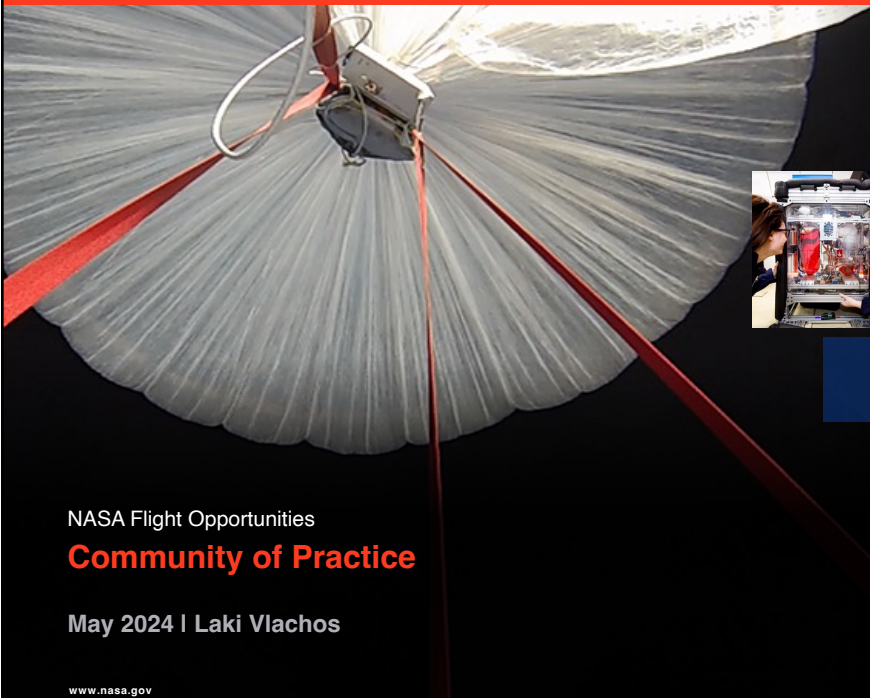
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solange@ecoatoms.com


[@solangemassa](https://twitter.com/solangemassa)

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Community of Practice
May 2024 | Laki Vlachos

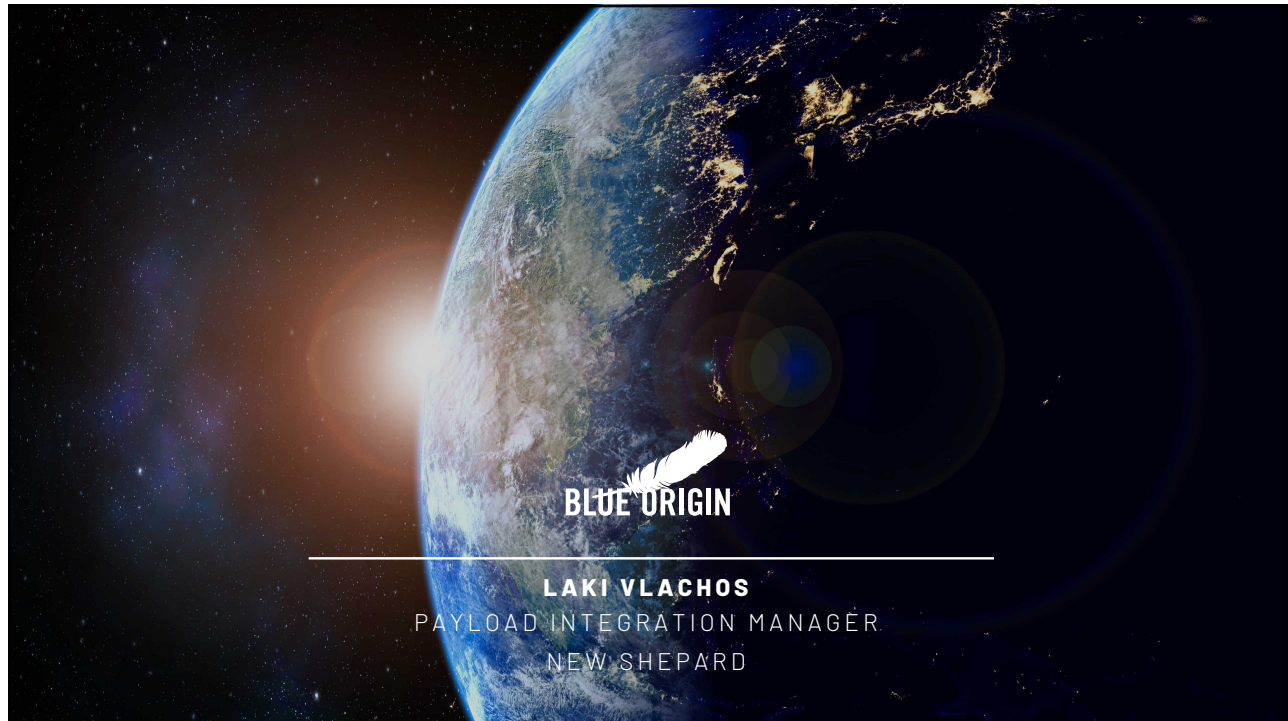
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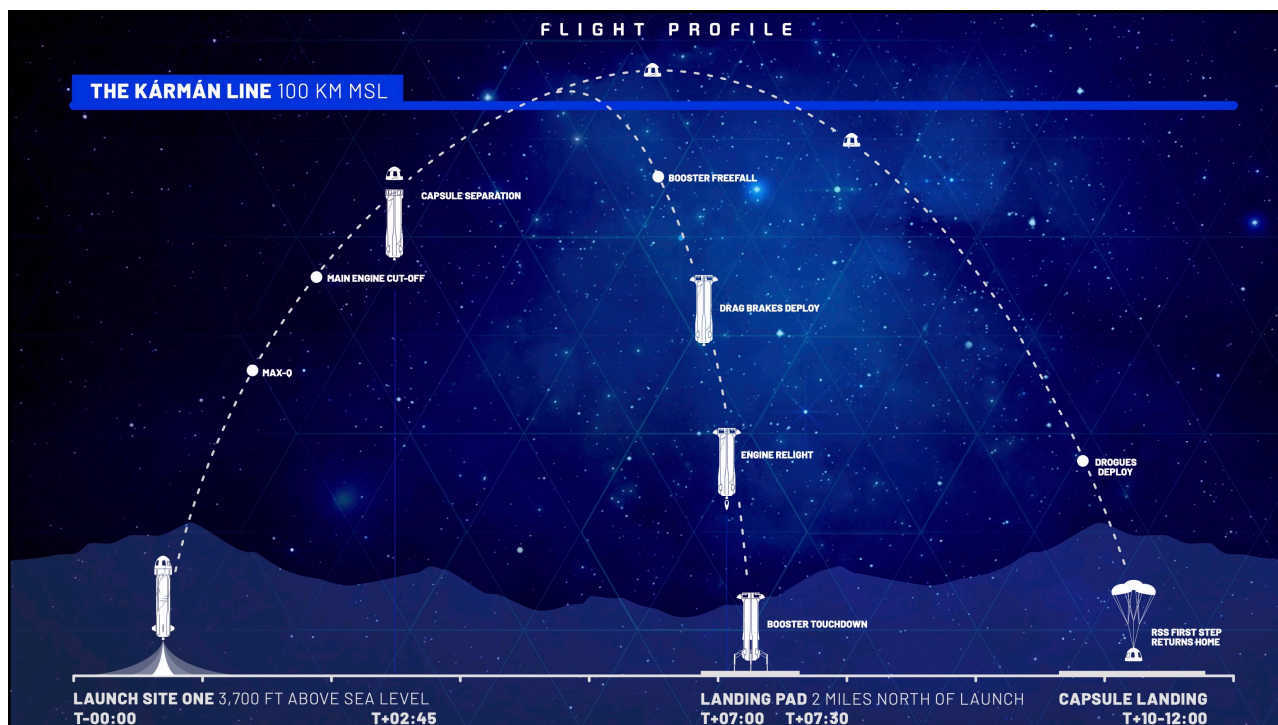
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Thank you!

Flight Opportunities website:
<http://nasa.gov/flightopportunities>

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