

# LT Space Technology Cluster

Vilnius, 2021-12-09

# Lithuanian SpaceTech Industry

2017

- 27 economic entities with 270 employees in the Lithuanian aerospace sector

2019

- 30 economic entities with 325 employees in the Lithuanian aerospace sector

2021

- ESA industry days in Lithuania: 46 companies and organizations

# SpaceTech Cluster

Elsis Pro	Software engineering and system integration services for defense, space and aviation companies. Galaxy – data management and communication platform for constellations of nanosatellites. NATO Personal Security Clearance and Facility Security Clearance
Geomatrix	SAGRIS (Sentinels-based AGRiculture Information Service Component) automated service for satellite data pre-processing, operational mapping and per-parcel statistical sampling, providing a database back-end for application developers and Big Data analytics.
Blackswan Space	Satellite Mission Design Simulator for complex autonomous missions. Vision Based Navigation system for rendezvous and docking. Robohands - a robotic manipulator for small satellite missions.
NanoAvionics	End to end small satellite infrastructure. Current production capacity : 40-50 custom satellites and 150-180 of identical design. NASA GEVS and ESA ECSS compliance.



# Lithuanian SpaceTech Cluster



# Companies' Customers

- NASA
- ESA
- EDA
- NATO
- MIT
- Airbus Defence & Space
- Thales Alenia Space
- British Telecom
- Rheinmetall
- ADB Safegate
- Zuken
- Soliton Systems
- .....

# Companies' Projects

Persistent Earth Observation for Actionable Intelligence Surveillance and Reconnaissance  
European Defence Industrial Development Programme (EDIDP-ISR-2019)

Innovative and Interoperable Technologies for Space Global Recognition and Alert  
European Defence Industrial Development Programme (EDIDP-ISR-2019)

Nano-satellites based Global Infrastructure to Enable IoT/M2M Networks  
Horizon 2020

Enabling Chemical Propulsion System for the Growing Small Satellite Market  
Horizon 2020

Ultra-wide Band, Reconfigurable Transmitter Front-End for Software Defined Radio High Data Rate Space Communication  
(Tx Front-end)  
ESA PECS

Mission Design Simulator  
ESA PECS



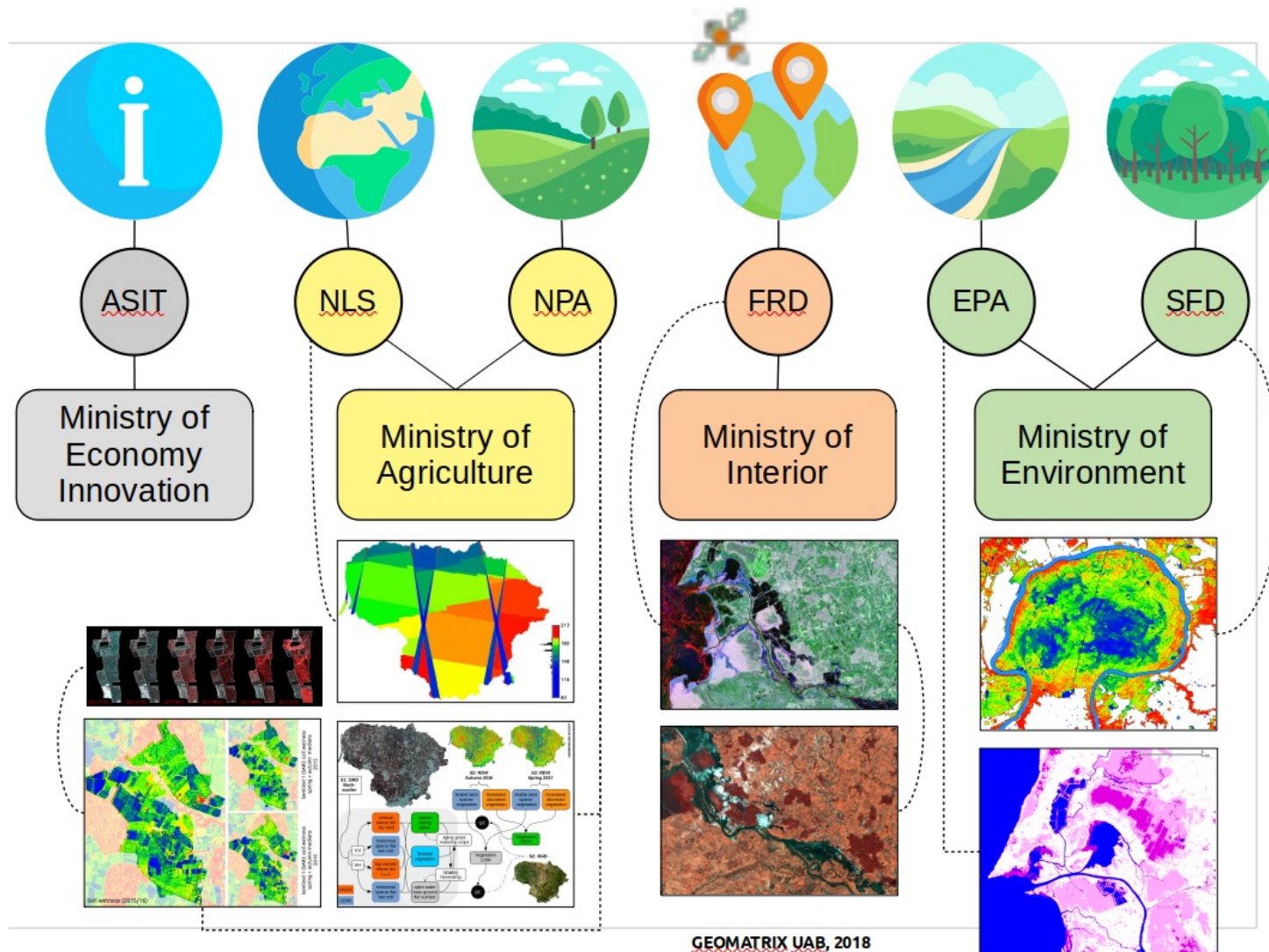
# Objectives

- To join the competences to develop new products and new markets
- To contribute to the growth of SpaceTech business community in Lithuania
- To speak for Lithuanian SpaceTech industry





# Joint Cluster Project - Climate Change Impact Control





# Visoriai Information Technology Park



# Thank You!

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