



# Space Data - Platforms, Products & Applications

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# The boom in satellite Earth observation



**Satellite size & production costs**  
are decreasing



**155 launches in 2022**  
149 successful



**8261 satellites in 2022,**  
4,852 active : ↑ by 11.84% from  
2021



**1030 for Earth observation**  
second after Communications

## Direct market revenue



*Statista Research Department, Mar 23, 2023*

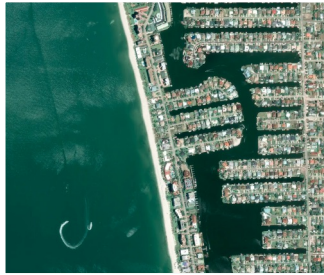
## Full social-economic impact



*A. Tassa 2019*

**Revenue and social-economic impact**

# The socio-economic impact of satellite EO



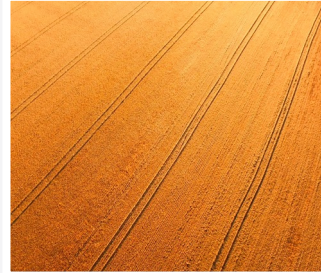
Supporting evidence-based decision-making in public policy



Climate monitoring and management of climate-related disasters



Informing official indicators of Sustainable Development Goals



Addressing deforestation, food security, and natural disasters

# What problems are holding us back?

1

## Data ecosystem is fragmented

- Suppliers focus on large customers
- Commercial and contractual barriers
- Data access varies across providers

2

## It's hard to distribute algorithms

- Expensive to train AI
- Hard to build and distribute algorithms
- Leads to re-implementing proven algorithms

3

## It's hard to scale efficiently

- Using UI-driven tools does not scale
- API centric approach yet to mature
- Building & maintaining your own cloud environment is expensive

What is UP42?

A developer **platform** and **marketplace** to derive **insights** from **geospatial** data at **scale**



The team:

100+ people  
Headquartered in Berlin

Founded & 100% owned by:

**AIRBUS**

Incubated and mentored by:














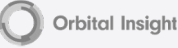





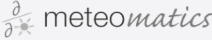

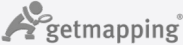




# A fast growing ecosystem for AI-driven Earth Observation

## 70+

Marketplace suppliers

## 170+

Data sources & algorithms



# The UP42 platform offering

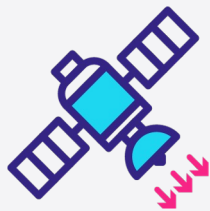
## Data



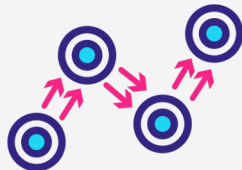
Search through the catalog



Place and manage orders



Task satellite providers



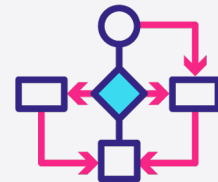
Track & manage tasking orders

## Mgmt. & Processing



Upload, download, manage, and process assets in **storage**

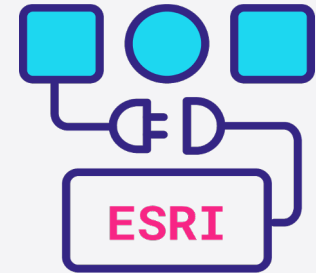
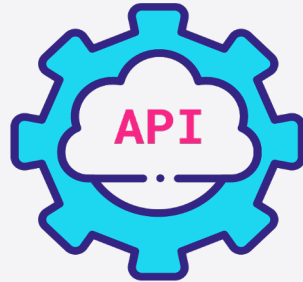
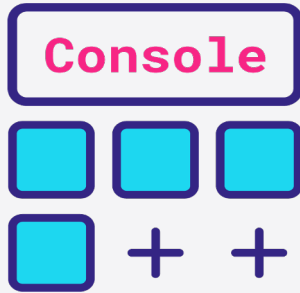
## Analytics



Upload **custom algorithms**, and run workflows to get insights on the **analytics platform**



# Access UP42 via...



**up**<sup>42</sup>

[up42.com](http://up42.com)