

Sustainable Urban Planning

April, 2022

Copernicus
masters

What is UP⁴²

A geospatial developer
platform and marketplace to
derive insights at scale.



What industry problems does UP42 solve?

Technical and commercial constraints to using geospatial data and algorithms at scale are still holding back the downstream potential of AI-driven Earth Observation.

1

The data ecosystem is fragmented

2

It's hard to build/distribute algorithms

3

It's hard to scale efficiently

Open Marketplace of
Geospatial Data and
Algorithms

Simple UI for
Discovery and Rapid
Prototyping



Workflow Engine
and Scalable
Infrastructure

Powerful Platform
APIs and SDKs

The logo for Copernicus masters, featuring the word "Copernicus" in a light grey font and "masters" in a bold, black font. A yellow sun icon is positioned between the two words.

Copernicus
masters

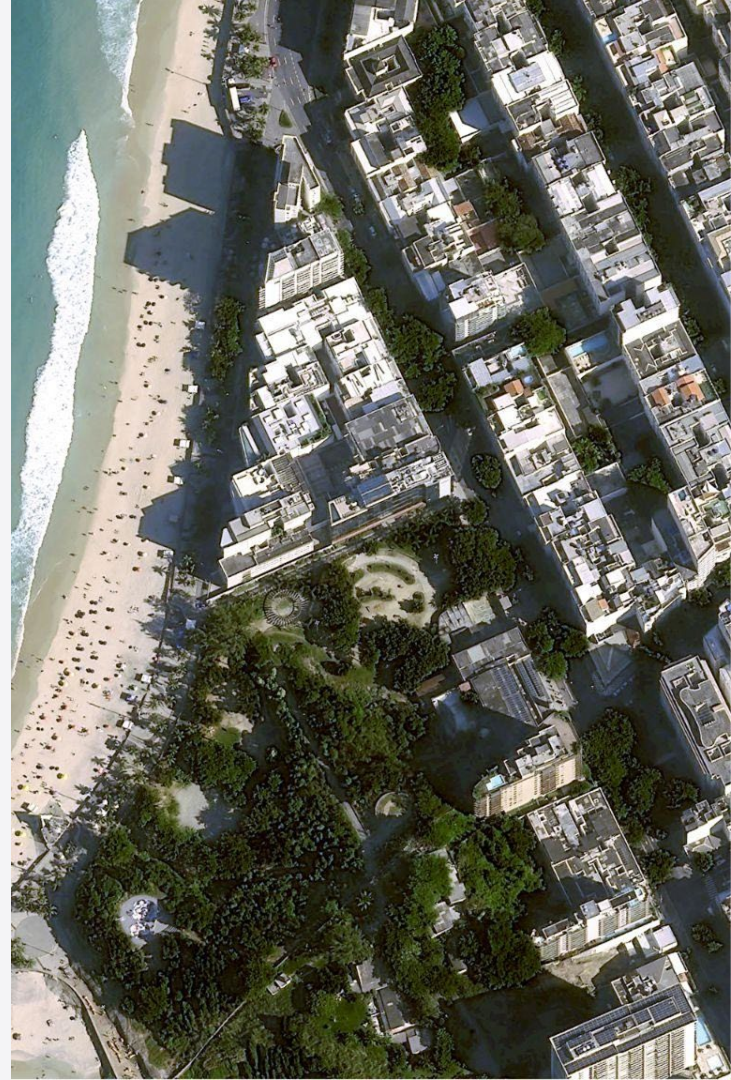



CloudlessEO

CloudlessEO is an interactive, on-demand, web-based software consisting of a novel generative adversarial network architecture that addresses the issue of cloud cover in optical satellite imagery.

Making a
significant **impact**
on **society** and the
future of our **planet**.

Why Sustainable
Urban Planning?





“Only 12% of papers fully integrate ecology, remote sensing and planning.”



AIRBUS
UP⁴²

Sustainable Urban Planning Challenge

UP42 and Airbus are calling on researchers, companies, and students to develop algorithms and analyses that can provide decision-makers with better quantitative information on making urban environments more sustainable.



Quantifying the **impact** of
wasted **spaces** and structures
on **liveability** and non-
renewable **resources**.

The Airbus logo in a bold, blue, sans-serif font.The UP42 logo, with 'UP' in a bold, blue, sans-serif font and '42' as a superscript.

Prize Pool

- **OneAtlas Prize:** Voucher to access commercial satellite data from Airbus
- **UP42 Prize:** Voucher to access all types of geospatial data and algorithms from the UP42 marketplace

Making Your Impact Count.



Powering Geospatial Innovation

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