



Committee on Earth Observation Satellites

COVID and EO from Space

Simonetta Cheli, ESA, Earth Observation

CEOS SIT Technical Workshop 2020

Session and Agenda Item # 1.3

Virtual Meeting, 8 September 2020





Rapid Action on COVID-19 and EO

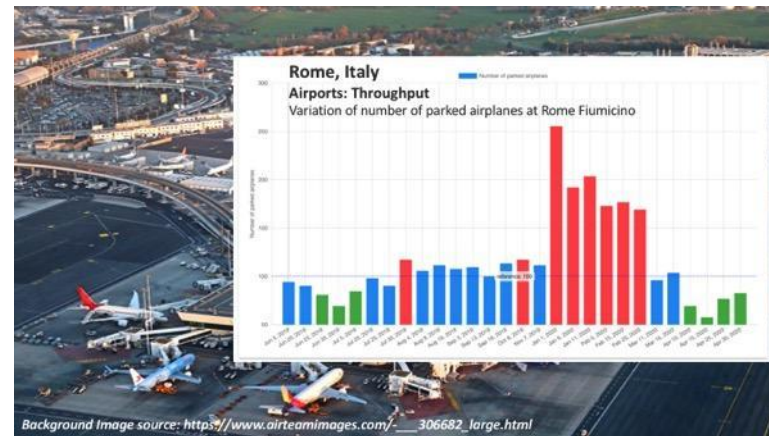


Objectives

- Provide public EO info on the state of European society and economy
- Using European EO: Copernicus Sentinels and Third Party Missions
- Leveraging on European companies capabilities and using AI powered latest platforms technology

Focus areas

- **Climate:** greenhouse gas concentrations
- **Environment:** air and water quality evolution
- **Economic** indicators: industry, shipping, construction, trade, traffic
- **Agriculture:** asparagus, red fruits etc.



Made in Europe, combining ESA expertise with European industrial skills and EO Platforms leveraging AI4EO

Straightforward to use by non-technical users

Informative for general public and decision makers

Communicates the effects of the lockdown on the environment and the economy, **observable from space**



ESA UNCLASSIFIED - For Official Use



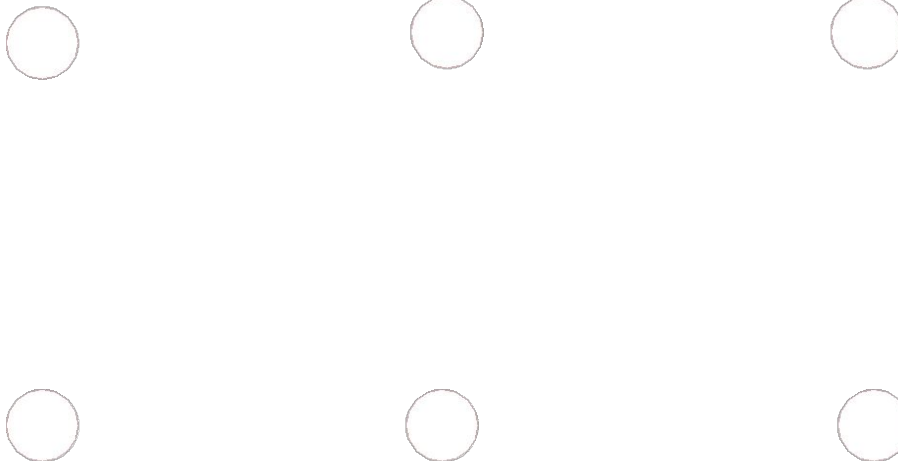
Showcases real examples of the pandemic's effects

in 200+ representative **Areas of Interest** across the EU*

through 129 **Indicators*** such as air and water quality, agricultural production, travel, manufacturing or trade

as of 01/09/2020

From idea to launch in 2 months



race.esa.int

New Data

Dashboard will be expanded with new data throughout the economic reboot

Increased Coverage

Coverage of additional Member States, provision of new indicators, and transfer to operations, building on success

International Cooperation

The Dashboard is coordinated with international cooperation efforts

