

Massimo Zotti

METTIAMOCI
IN RIGA



Servizi operativi di osservazione della Terra a supporto della pianificazione e controllo del territorio



Un diluvio di dati dallo Spazio

*«Data themselves are meaningless,
if you don't have the capacity
to analyze them»*

«Big Data make old methods inefficient and obsolete, allowing us to own an unprecedented amount of data which is far greater than we can manage»



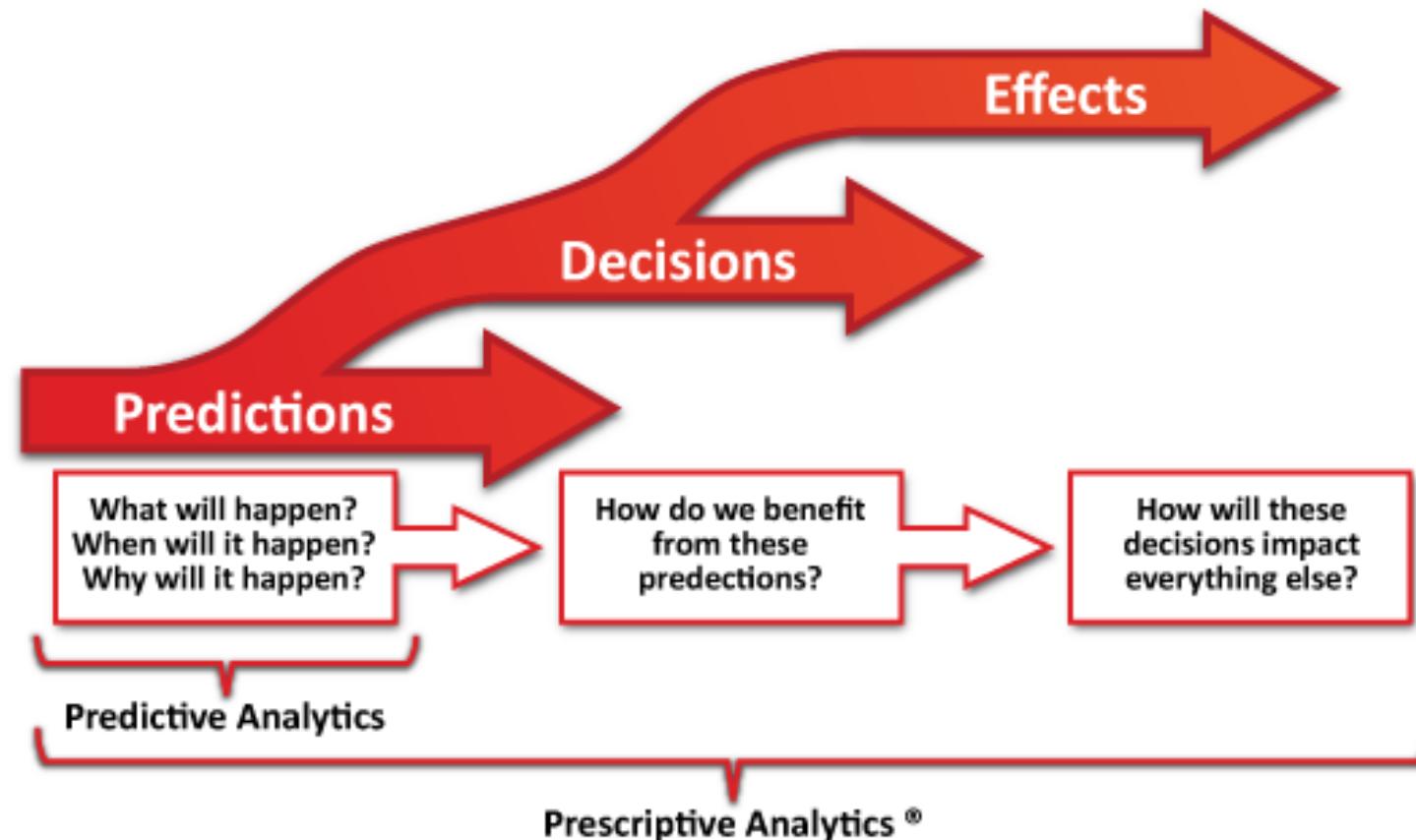
Source: Boschi-Gambit: <https://www.che-fare.com/panopticon-biq-data/>



Le 3 dimensioni degli EO Analytics

Info-as-a-Service :

- Servizi in abbonamento
- *“Actionable Vertical Information”*
- Integrazione di Big Data
- Servizi scalabili e automatizzabili





Quali sono i 3 segreti di un piatto stellato?



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I 3 segreti di un piatto stellato



Ingredienti &
Attrezzatura



Ricetta



Chef &
Brigata

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I 3 segreti del monitoraggio satellitare ‘stellato’



Ingredienti &
Attrezzatura



Ricetta



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Brigata

Dati
Software & Hardware
Servizi cloud

Algoritmi

Competenze
Organizzazione
Processi

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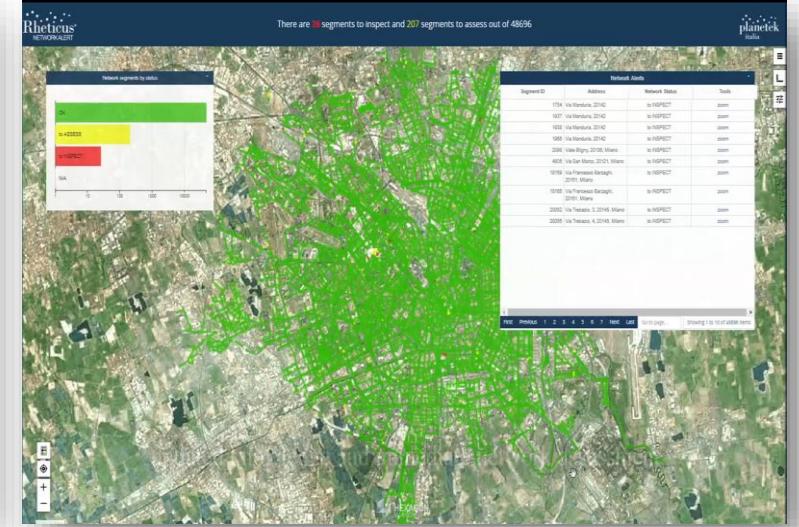
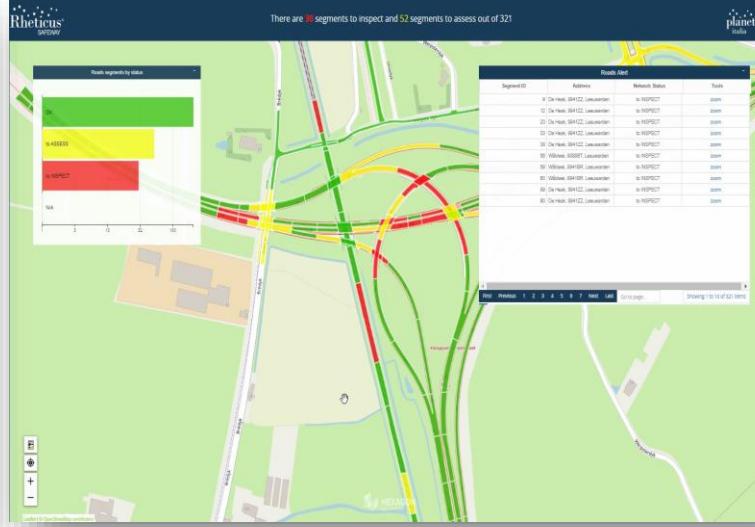


**Dai dati alla
conoscenza**

**Dai processi tecnici a
quelli applicativi ed
organizzativi**

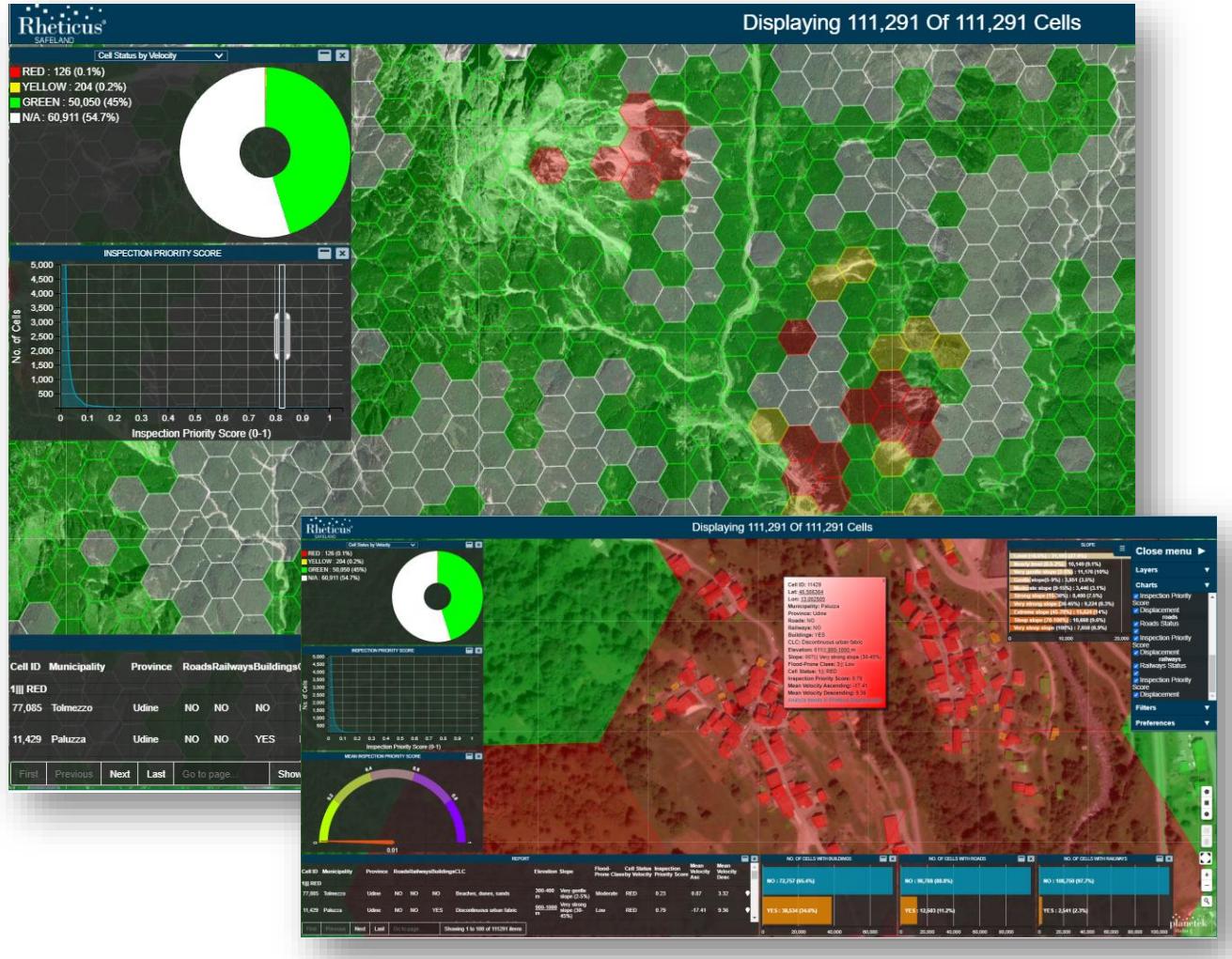
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Monitoraggio multidimensionale





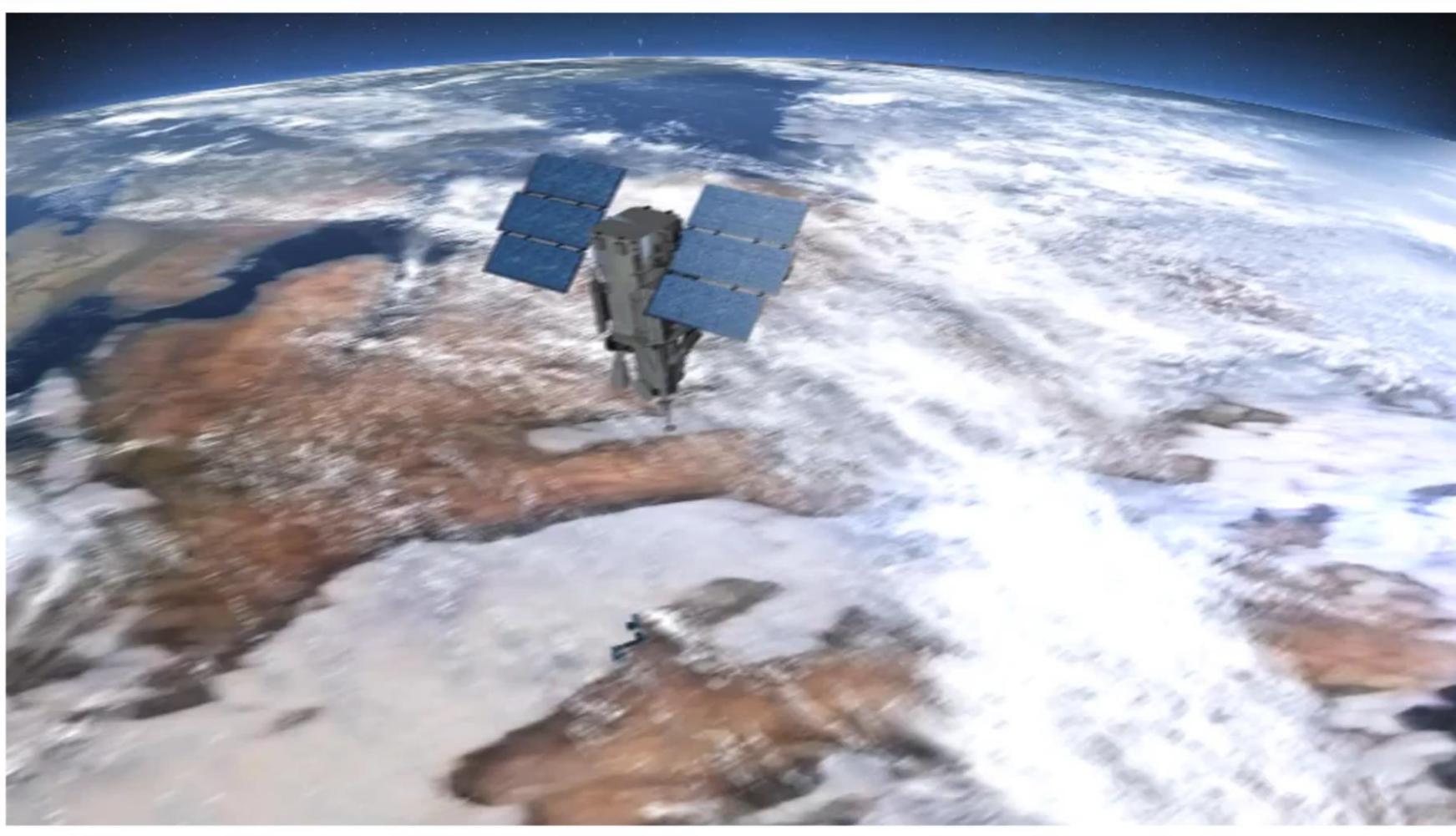
Un'unica interfaccia per monitorare il territorio



- Suddivide il territorio in **celle di dimensioni standard**
- Assegna ad ogni cella un **livello di attenzione** (analisi multidimensionale e multitemporale).
- Fornisce un livello progressivo di **approfondimento** (analisi multiscala).



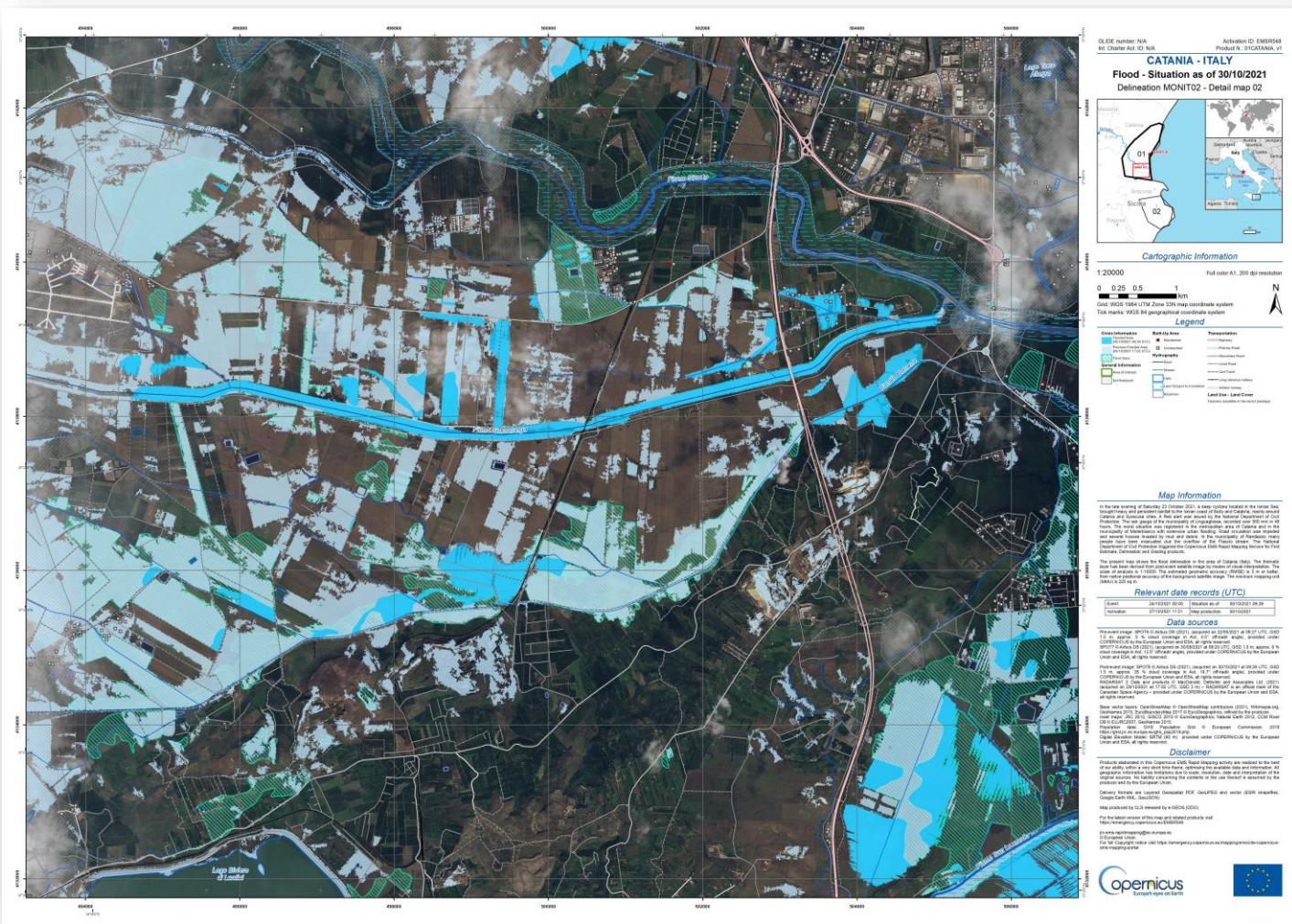
Informazioni in Near Real-Time



- Dati
- Software & Hardware
- Servizi cloud
- Algoritmi
- Competenze
- Organizzazione
- Processi



Informazioni in Near Real-Time



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<https://emergency.copernicus.eu/mapping>

Implemented by the European Commission as part of the Copernicus Programme

Copernicus
Emergency Management Service

Copernicus Emergency Management Service

© EU Civil Protection and Humanitarian Aid - www.flickr.com/photos/eu_echo/

Information for emergency response and disaster risk management.

On demand mapping

Copernicus EMS On Demand Mapping provides on-demand detailed information for selected emergency situations that arise from natural or man-made disasters anywhere in the world.

Rapid Mapping

Rapid Mapping provides geospatial information within hours or days of a service request in order to support emergency management activities in the immediate aftermath of a disaster.

Risk and Recovery Mapping

Risk & Recovery Mapping supplies geospatial information in support of Disaster Management activities including prevention, preparedness, risk reduction and recovery phases.

Early Warning & Monitoring

Copernicus EMS Early Warning and Monitoring offers critical geospatial information at European and global level through continuous observations and forecasts for floods, droughts and forest fires.

Floods

The European Flood Awareness Systems (EFAS) and Global Flood Awareness Systems (GloFAS) provide complementary flood forecast information to relevant stakeholders that support flood risk management at the national, regional and global level.



EFAS ed ECFAS

The screenshot shows the ECFAS website homepage. At the top left is the ECFAS logo with a stylized wave icon and the text "ECFAS European Coastal Flood Awareness System". The top navigation bar includes links for "About", "News & Events", "Products & Datasets", "Outputs", "End users", a search icon, and a "Contact Us" button. Below the navigation is a large banner featuring a grayscale aerial photograph of a coastal area. Overlaid on the banner is the text "A Proof-of-Concept for the Implementation of a European Coastal Flood Awareness System." and a "Read More →" button. To the right of the banner is a photograph of a coastal flooding event with waves crashing over a seawall. Below the banner are three white callout boxes: "Warning" (with a warning sign icon), "Rapid Mapping" (with a map pin and wavy line icon), and "Risk Recovery Mapping" (with a map pin and exclamation mark icon). Each box has a "Read More →" button. In the bottom right corner of the page is the website URL www.ecfas.eu. The bottom left corner contains the number 12. The bottom right corner features the text "METTIAMOCI IN RIGA" in bold black capital letters.

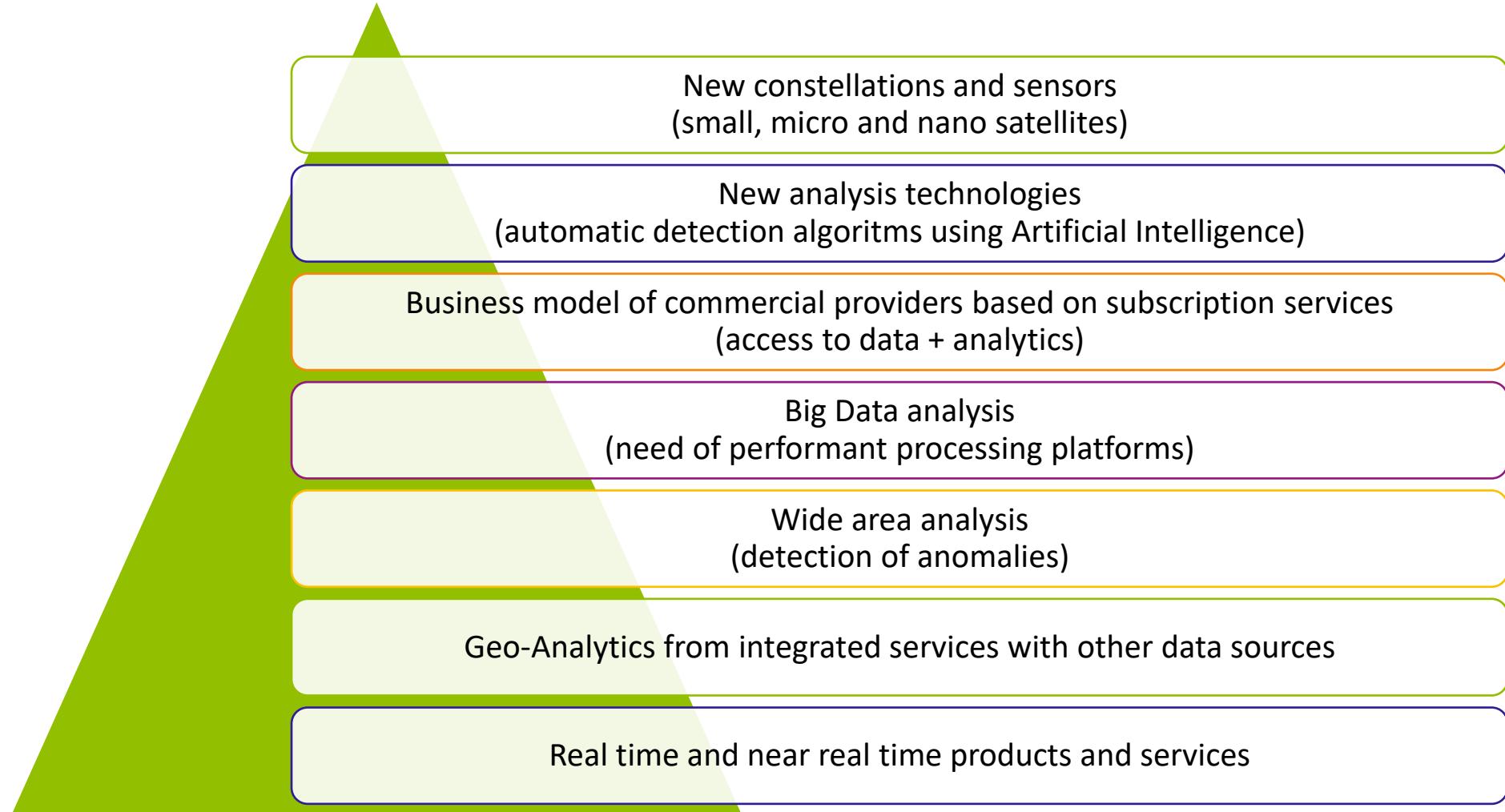
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www.ecfas.eu

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New paradigms in Space



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Grazie.



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