

Edusat in 4 steps

Educational resource for observing the Earth

1

THEORY

Remote sensing and global environmental change

Theoretical explanation of:

- **Global environmental change** and its consequences, such as the loss of biodiversity or climate change.
- **What is remote sensing:** types of satellites, sensors, band combination, uses and applications.



HAND ON

2

Case studies

Practical demonstration for learning how to **identify different natural phenomena** through satellite images.

Some examples are **forest fires, floods, drought, deforestation, urban development** or receding **glaciers**.



3

Investigation of your own case study

Now it's the students' turn! They must do a **research project on a natural phenomenon or human activity of their choosing**.

To do this, they use a variety of information sources such as the **Copernicus satellite image programme** using the **EO-Browser application**.



4

Publication of the results

The students **present the results of their research to the rest of their classmates**, highlighting the main ideas of their search.

Finally, they share the results on their social networks using the hashtag **#edusat**.

