

## TEAM PROJECT 4:

## ENVIRONMENTAL PROTECTION FOR WALES USING SATELLITE OBSERVATION

Did you know your teacher is a billionaire?! They are looking for business investments or to give money to charitable projects. You need to persuade the billionaire to give money to your project.

**Your project is about looking after Wales's natural environment by observing the Earth using satellites in Space. How might you use the satellites and their information? What problems does the Welsh environment face? How can we measure climate change?**

### YOUR TASK

**Prepare and deliver a 3-minute winning pitch to your billionaire teacher:**

- ▶ Choose any form of pitch such as film, infographic, live presentation.
- ▶ Use any kind of relevant material.
- ▶ **Engaging beginning** – to get your billionaire's attention and so they know what your project is about.
- ▶ **Strong middle** - how your project will work and how much it will cost.
- ▶ **Memorable ending** – what difference your project will make to the planet and our lives!

**20 minutes to prepare your pitch:**

- ▶ 5 minutes to plan
- ▶ 10 minutes to research
- ▶ 5 minutes to practice

**Choose a team role** (you don't have to use them all, or you can have more than one person with that role):

- ▶ **Team leader** to guide the team and make the best of people's skills and interests.
- ▶ **Presenter** to deliver the pitch to the billionaire.
- ▶ **Researcher** to look up the material you use in your presentation.
- ▶ **Graphic designer** to take care of how your presentation looks.
- ▶ **Financial manager** to plan how much money to ask for and on what it will spent.
- ▶ **Lawyer** to look after any disputes and make sure your project is legal.



## PROJECT INFORMATION (clues to help you!)

Find your school on google maps and then zoom out. What does the environment look like where you live? Are there plenty of places for nature to thrive? Why is it good to look at the earth from space? What do satellites let us do? Think about this and tell the billionaire your ideas in your pitch.

The links below could help you to provide evidence to persuade the billionaire. The billionaire might not be very familiar with why satellite images of the Earth are very important, so make sure you can explain that to them.

<https://www.google.co.uk/maps/> (find your school here using satellite images)

<https://wales.livingearth.online/themes/ecosystem-restoration/> This link is about the Living Wales project, which is helping to look after the natural environment in Wales for the next 50 years and beyond. Living Wales allows anyone to access satellite images of Wales. What could your project do restore the natural environment? Could satellite images help you find where you need to improve the environment? Would you use satellites to measure the amount of water available? How much pollution is in the air?

<https://wales.livingearth.online/themes/biodiversity/invasive-species/> Would your satellites be best looking for invasive species of plants so you can decide how big the problem is near you?

What are some of the benefits that projects like yours could bring to Wales? **(Clue!)** Don't forget to tell the billionaire about things like more jobs, skills and investment, as well as looking after the environment!

## IMAGES

What images might help with delivering your pitch?

Find a satellite image of Wales (or a part of Wales)

## PITCH IDEAS

One of the things that Living Wales looks at is the environment changes with the seasons through the year. You could tear up and drop some scrap paper to represent autumn falling leaves and draw pictures of flowering plants to represent spring and summer. Remember, in your pitch you are trying to sell your idea to the billionaire so they will give you money: anything you could do to help them like, understand, remember your idea is worth doing!

