

# USE AMATEUR RADIO TO CONDUCT INTERNATIONAL CLIMATE CHANGE RESEARCH

Using amateur radio, find out how different countries are adapting to climate change. Ask people about their experiences with questions such as: "Has the climate in your country changed?"; "Is the weather hotter or wetter?"; "Are plants and animals coping?"; or "How is your country preparing for change?"

🕒 10 mins for each participant

## 📦 Kit list

Assistance from a radio amateur. You can search for your local amateur radio club at: [rsgb.org/club-finder](https://www.rsgb.org/club-finder) ✨

Access to a Digital Mobile Radio (DMR) repeater (the radio amateur can help with this)

## 📖 Instructions

- 1 The radio amateur will connect you to a global network through a digital radio. You will send out a radio call to anyone who is listening.
- 2 Once you have established contact with someone, find out which country they live in. You can then ask them questions about climate change.
- 3 Pool your results with others. Which countries are being affected? What are they doing to prepare for climate change?
- 4 On a map of the world, summarise what is happening in each country.

- 5 Find out about DMR radio. Amateur radio enthusiasts used Morse code in the past to make contact with other countries. Today they also use digital techniques and make use of computing and the internet. They need to have studied the science of radio communications to obtain a call sign.

## ➡ Next steps

Would you like to learn more about amateur radio? This web page tells you how you can gain your Foundation licence and get your own amateur radio call sign: [rsgb.org/foundation](https://www.rsgb.org/foundation) ✨

## 🏠 At home

How would you reply if you were asked about climate change where you live? Have your parents noticed a change in the weather?

## ↔ Career options

Radio Communications are an important tool to track changes in the climate. Satellites relay information back to Earth. Having an amateur radio licence would help you in a wide range of STEM careers and activities such as being a climatologist, a space weather scientist or studying propagation.

