

### Take Action for Climate Change!

1<sup>st</sup> Activity ---Reading the passage---

#### Weather Report for 2050 in Brazil



The World Meteorological Organization has released the first in a series of imaginary – but realistic - 2050 weather reports from well-known television presenters designed to sensitize people about the local impacts of climate change.

The first report from Brazil is set in June 2050. Rainfall in southern Brazil and the west Amazon is expected to exceed monthly levels in just a few days, increasing the risk of flooding and landslides whilst drought continues in northern Brazil and the east Amazon. It is another hot day.

WMO is launching the videos during the month of September to support UN Secretary-General Ban Ki-moon's call for government, finance, business, and civil society leaders to agree to ambitious action on climate change at the [UN Climate Summit](#) on 23 September to prevent the worst-case scenarios.

WMO selected 2050 as half-way point to the end of the 21st century, by which time average global temperatures could rise more than 4°C (7.2°F) if greenhouse gas emissions from human activities continue to increase at the current rate.

"It continues to rain in southern Brazil and west Amazon on this June 8th 2050. Heavy clouds should result in rain showers with strong winds this afternoon. The reason is the transport of hot and humid air towards these areas. In a few days, the rain will exceed the amount expected for the entire month, which increases the risk of flooding and landslides," says Brazilian presenter Claudia Celli.

"In northern Brazil and east Amazon, the scene is completely different. The weather is dry, with no possibility of rain. Some regions have registered drought for several months. And today is another hot day in Brazil," she says. "Temperatures are above 30°C in a good part of the country, although we are already near winter."

"This is the kind of weather forecast you may hear in 2050 as our greenhouse gas emissions continue to change Brazil's climate."

"Climate change experts believe that extreme events, such as intense rain showers, may become more common over the next decades. But now, in 2014, we are already witnessing events like this. In late autumn, heavy storms reached southern Brazil. In Paraná state, 150 cities were in a state of emergency, three of them were declared public calamities. In three days, the amount of precipitation was three times above the

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historical average. 11 people died, houses and bridges were swept away by the water, and many people lost all they had. The cost was millions of dollars," says Ms Celli.

Ms Celli interviews scientist José Marengo on the impacts of climate change in Brazil.

"In tropical regions, basically the entire area of Brazil, the temperature increase could exceed 4°C by the end of the century. In terms of rain, the pattern changes a bit. Projections show a reduction of rain in east Amazon and northeast Brazil and an increase in west Amazon and southern Brazil," says Marengo.

He calls for immediate action to reduce global warming and impacts on the population.

### **--- World Meteorological Organization Homepage**

- 1) Why has WMO released a series of imaginary weather report for 2050?
  
  
  
  
  
  
  
  
  
  
- 2) Why did WMO select the year 2050 to make the imaginary report?
  
  
  
  
  
  
  
  
  
  
- 3) According to the video, what will the weather be like in southern Brazil and west Amazon in 2050?
  
  
  
  
  
  
  
  
  
  
- 4) According to the video, what will the weather be like in northern Brazil and east Amazon in 2050?
  
  
  
  
  
  
  
  
  
  
- 5) Describe the extreme weather happening in Brazil in 2014.

2<sup>nd</sup> Activity ---Exchanging the information---

Worksheet ( )

Worksheet ( )

3<sup>rd</sup> Activity ---Discussion---

Theme: \_\_\_\_\_