

Global Warming Around the World

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What does global warming look like around the world?

WARMER REGIONS



VS

COLDER REGIONS

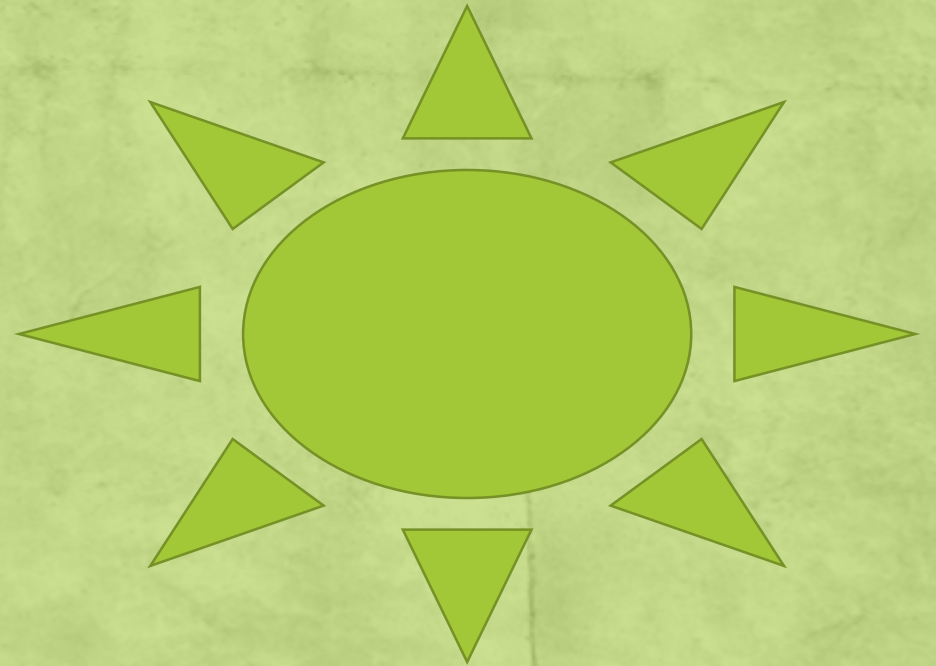


What is global warming?

- An increase in the earth's temperature overtime

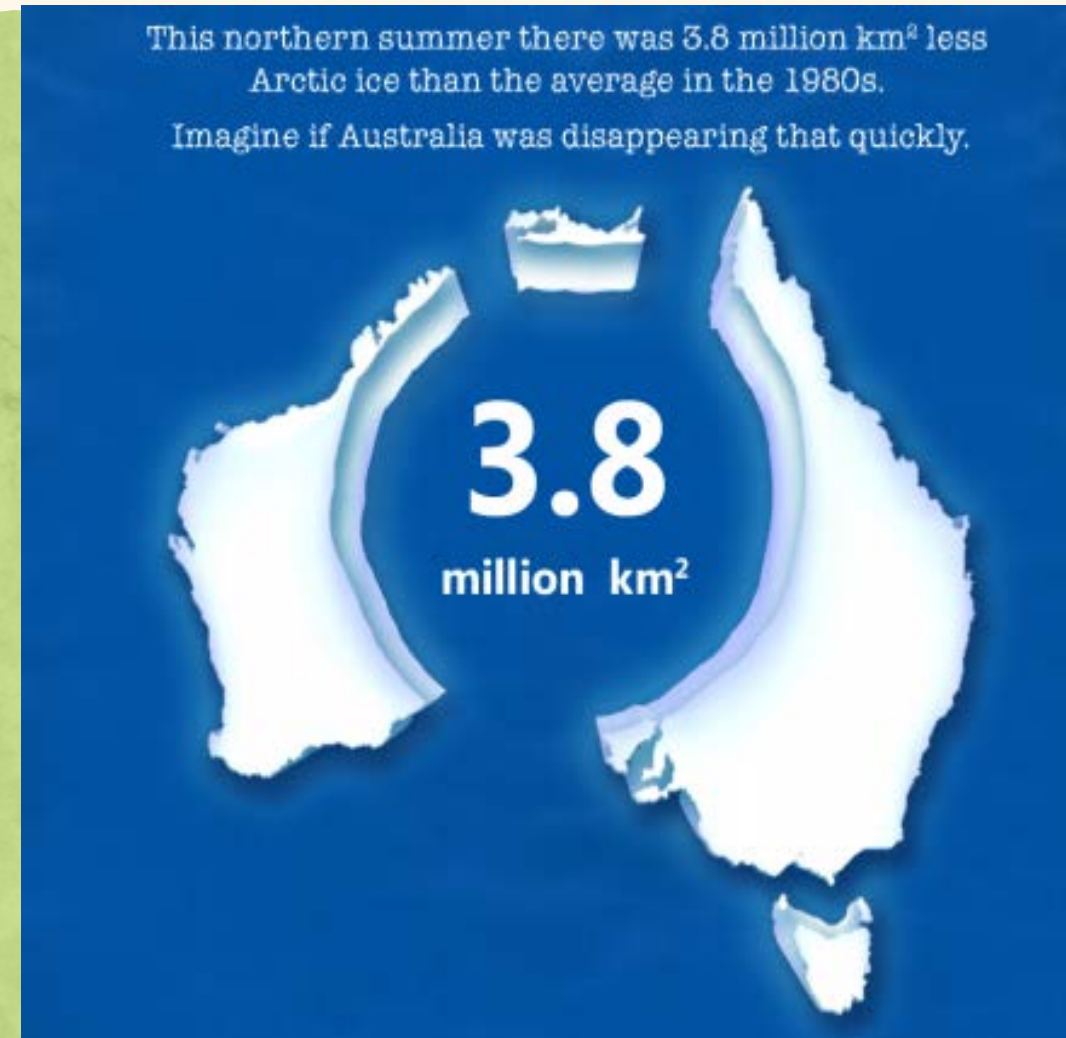
- **Causes**

- Green house gases
 - Carbon emissions
 - Pollution



How does this effect cold climate areas?

- **Greenland or West Antarctica:** Irreversible depletion of the vast ice caps (Plumer & Popovich, 2018).
- Increased habitat losses for polar bears, whales, seals and sea birds (Plumer & Popovich, 2018).



How does this effect cold climate areas?

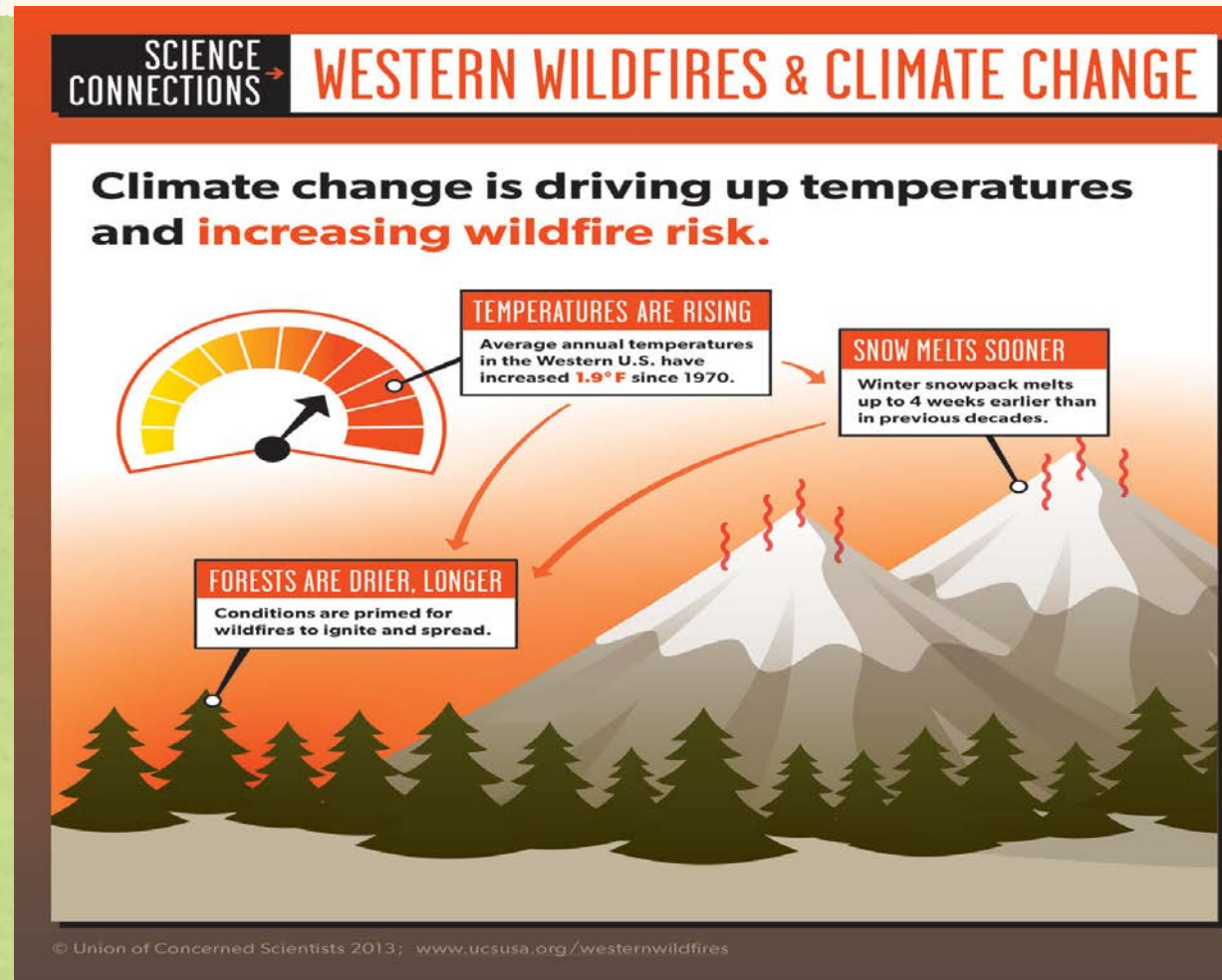
- Antarctica is at high risk
- Antarctica ice melt has accelerated by 280% in the last 4 decades
- If our earths temperature warms to 2 degrees Celsius, sea ice will vanish (Miller, 2019).



https://www.wcrp-climate.org/images/grand_challenges/2016/melting_bears.jpg

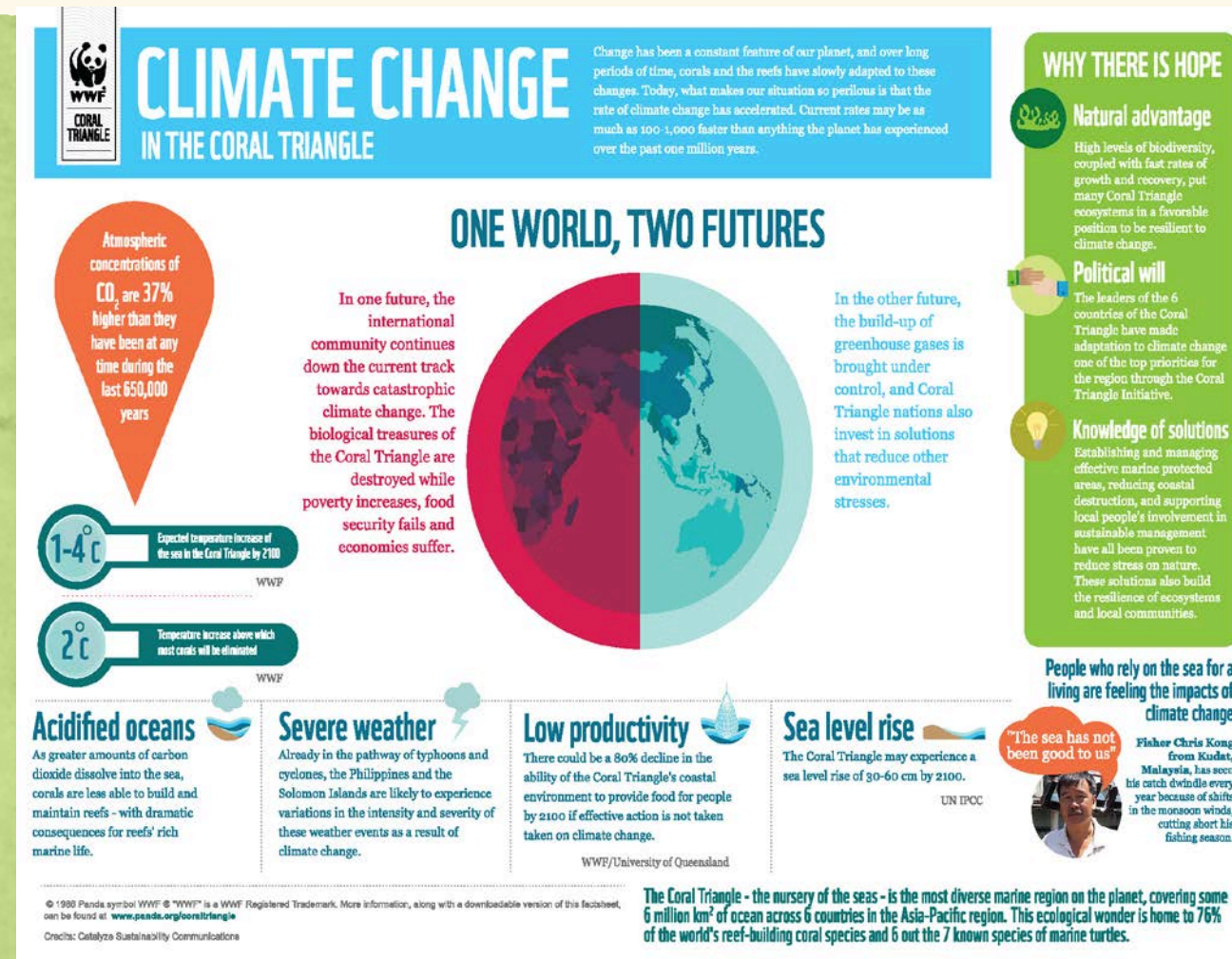
How does this effect warm climate areas?

- Life-threatening heat waves
 - Forest fires
- Water shortages
- Increased risk of drought
- Agricultural issues
- Potential flooding
- Erosion (Plumer & Popovich, 2018).



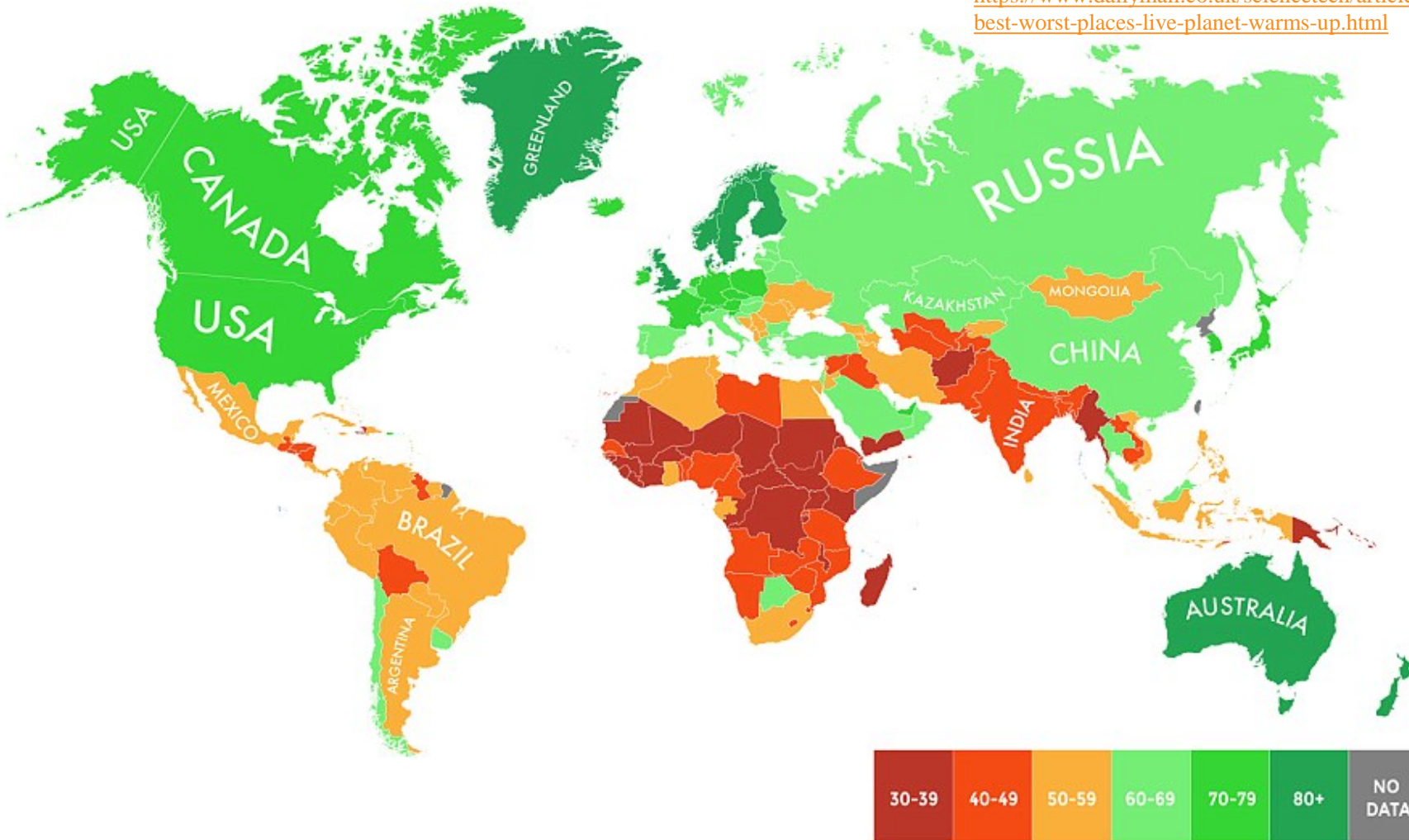
Effects for both areas

- Rise in sea levels
- Extreme storms
- Food insecurity
- Health risks and spread of disease
- Poor air quality (Guile & Pandya, 2018).



What areas are most equipped to cope with global warming?

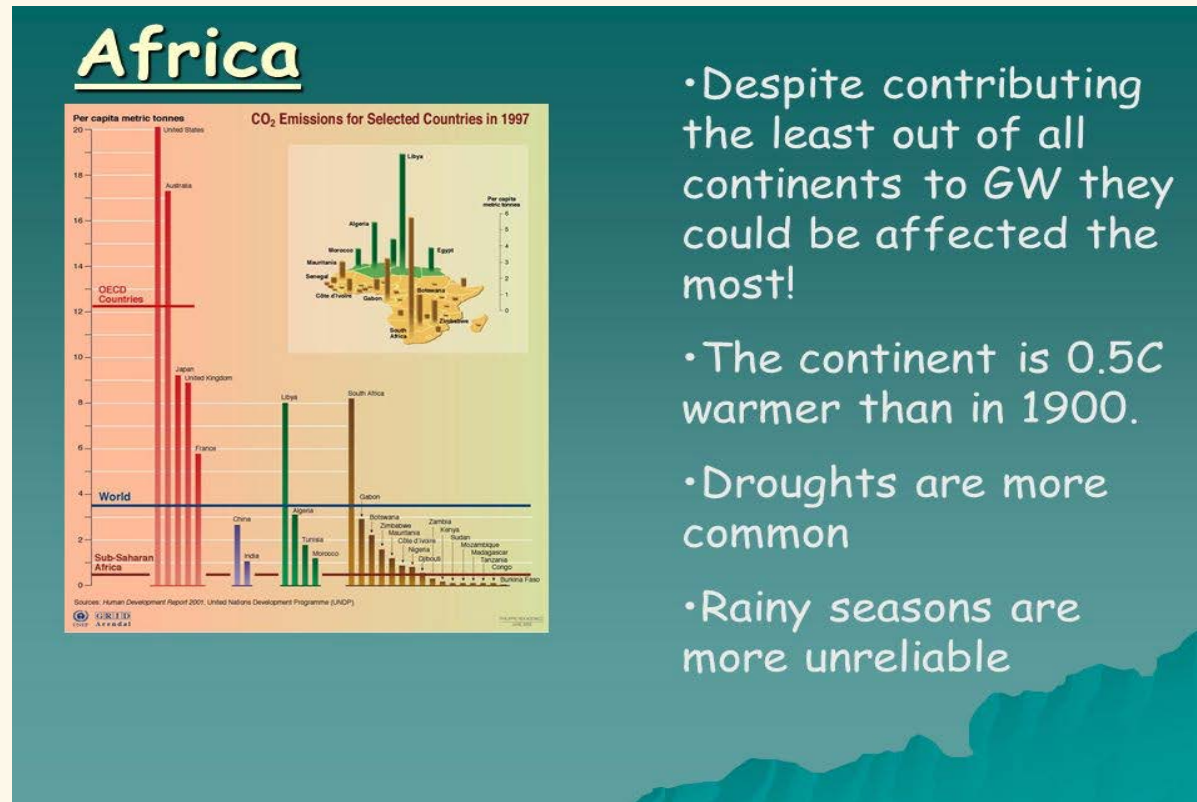
<https://www.dailymail.co.uk/sciencetech/article-2908213/How-country-cope-climate-change-Map-reveals-best-worst-places-live-planet-warms-up.html>



- Green is the most equipped
- Red is the least equipped

Taking Action: Africa

- Africa is at high risk
- The continent was just approved for 32.5 million dollars for energy projects
- The energy projects will target global warming
- The projects also are creating jobs and providing electricity to underdeveloped areas. (“Energy projects in Africa”, 2019).



https://images.slideplayer.com/42/11451112/slides/slide_3.jpg

Taking Action: Mexico

- Felipe Calderon, Mexico's President, states that climate change is the largest issue their country is facing
- He plans to reduce the countries carbon emissions during his presidency
- He wants emissions cut in half by 2050
- Calderon urges the "Green Fund": contributions from all but the poorest countries in the world to finance environmentally friendly projects ("Mexico and climate change", 2009).



Taking Action: England



<http://otiumservices.co.uk/wp-content/uploads/2015/02/waste-management-slider-1024x321.jpg>

- England now requires every household to recycle
- The recycling program targets the unwanted food that goes into a general bin rotting in landfill and creating methane, a greenhouse gas, which contributes to global warming.
- Households that fail to participate will be warned and eventually fined (“All homes to be forced to separate food waste”, 2018).

Taking Action: Japan

- Japan introduced a “hydrogen energy demonstration (and environmental education) with the goal to prevent global warming and create a sustainable and low-carbon society” (“Base for hydrogen energy demonstration”, 2016, para. 1).
- This will be Japans first case where hydrogen energy
 - Integration of a hydrogen station which creates hydrogen from renewable energy, a smart house and a fuel cell vehicle (“Base for hydrogen energy demonstration”, 2016).



How can all areas help?

- Drive less or carpool
- Reduce, reuse and recycle
- Reduce waste
- Go solar
- Use less electricity
- Conserve water
- Eat less or no meat
- Spread awareness (“35 ways to stop global warming”, 2017)

https://www.123rf.com/photo_63154449_stock-vector-world-map-global-warming-info-graphic-background.html



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