



Climate change

*Reasons to be cheerful?*

# Girls' School

Education is a game-changer in all aspects of life, including saving the planet

By providing more accessible education to young girls all around the world, we will be able to encourage more skills, more power, more choice, more freedom and money, but ... less children.

Universal education for girls =

800 million people reduction in population, as they are less likely to have so many children

5% of all emissions cut by 2050



# Floating solar



River flow= lower in summer months

Solar power= stronger in summer months

Solar power= Weaker in winter

River flow= Larger in winter

Floating solar panels on hydroelectric dams is clever as the strength of each system makes up for the weaknesses in the other.

Floating solar **could meet up to half of the global demand for electricity**



# Bountiful bamboo

The planting of bamboo to capture carbon dioxide

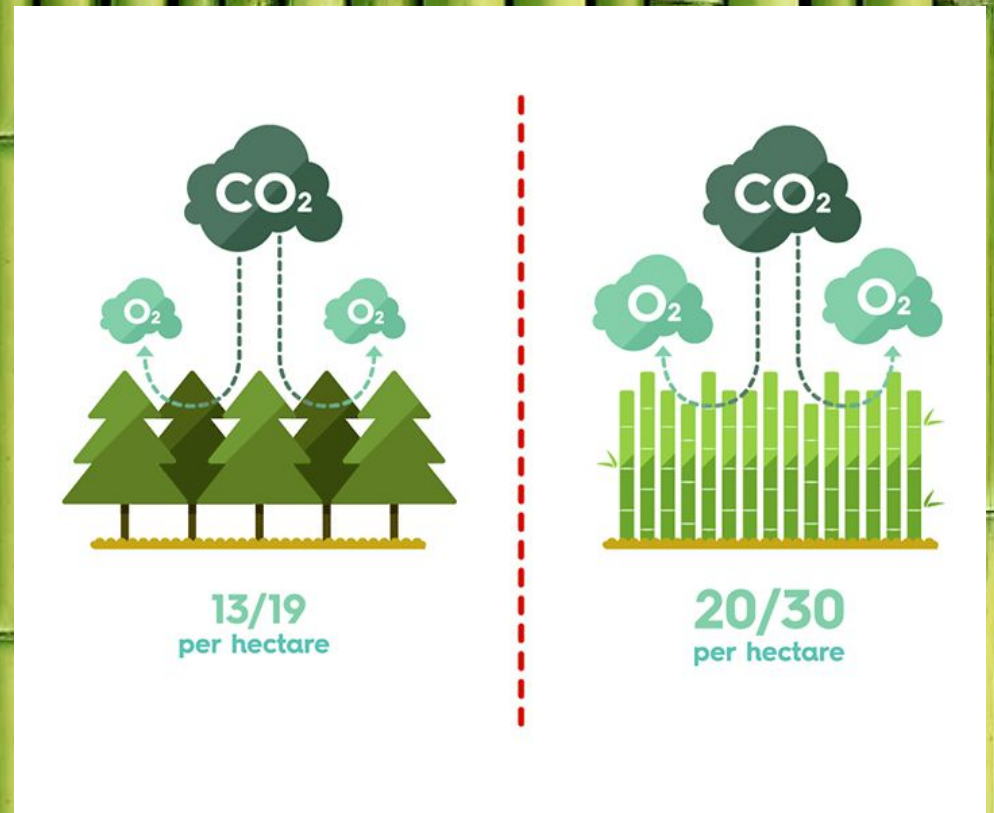
It absorbs CO<sub>2</sub> at a much faster rate than other plants

When managed properly a hectare of bamboo can take in around 50 tonnes of CO<sub>2</sub> every year as it grows

Reduces soil erosion

Reduces flood risk

Can create revenue



# A Mammoth Task

- Trees are the problem, not the solution and where animals should be bred , not blamed
  - Arctic should look like a chilly version of the African Savannah
  - Return of the mammoth is needed
  - Thermodynamics: ice melts = loose grip on peat = gases escape
  - Problem with trees: colour
  - Need more herbivores - hooves
  - Mammoths = less gassy = less methane
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- Bring grazing animals to permafrost areas



# The Nuclear Option

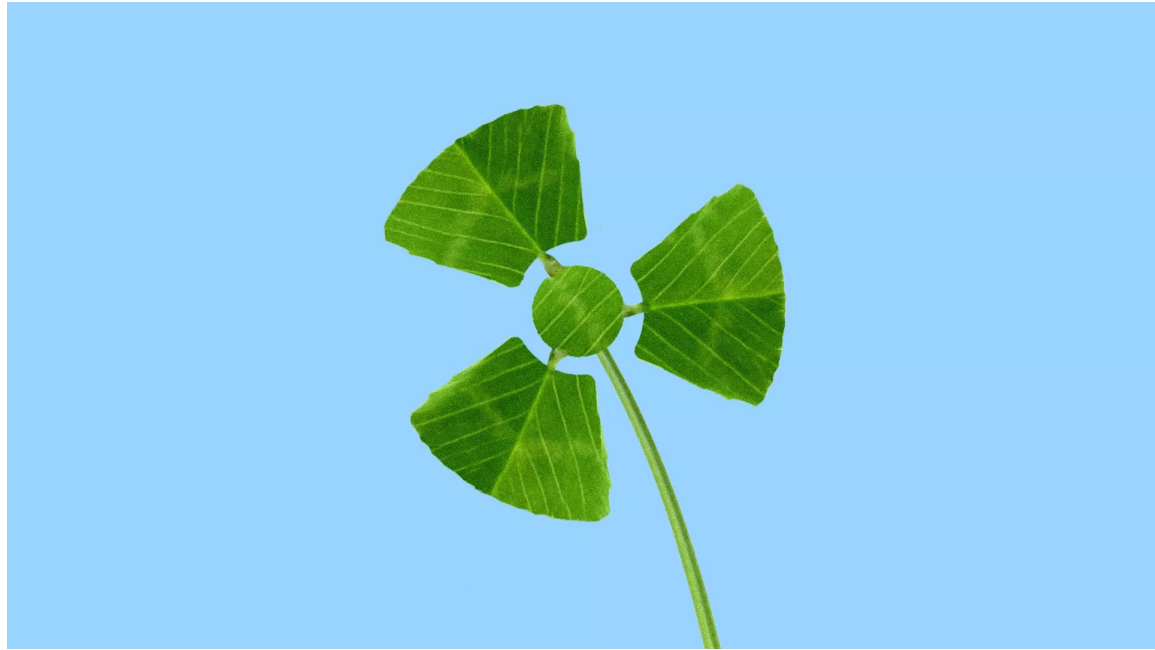
-Has become way safer over the last couple of decades.

-Lots of fuel still left in the Earth compared to fossil fuels.

-Doesn't directly produce any CO<sub>2</sub>.

-Eliminates battery storage and demand reliability problems.

-Could easily ensure a safe future in terms of energy when renewables wouldn't work.



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Ways  
to  
Save  
the  
Planet



Real World Solutions to **Climate Change** – and the People Making Them Happen.

Tom Heap

Foreword by

**Arnold Schwarzenegger**