

# Human Impact on the Environment



**TYPES OF ENERGY INTRODUCTION**

# What does “human impact” mean?

- Human Impact: how we affect and change our environment



# How do humans impact the environment/Earth?

- Extraction of resources for energy
  - Mining
  - Drilling
  - Burning fuels
  - Deforestation
  - Urbanization
  - Agriculture
  - Overfishing
  - Overhunting



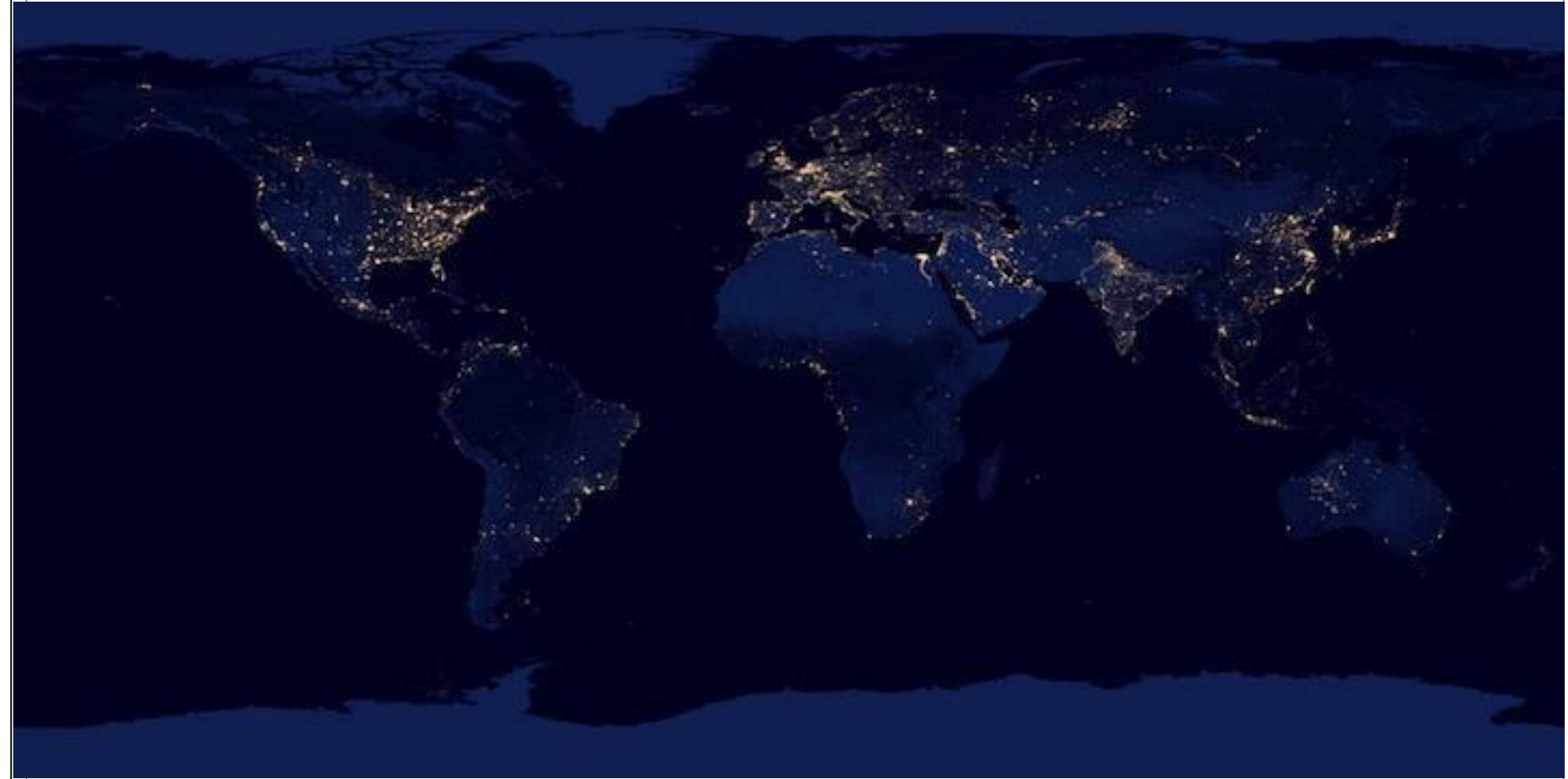
# Using more energy

- Transition from agrarian to industrialized society
  - Still happening around world!
- Positives:
  - Lifespan
  - Educational opportunities
  - Healthcare
  - Better transport
  - Access to goods/services
  - New technology





# The Earth lit up from space:



# The Lithosphere

- This is our focus! The Earth's crust
- How we impact the surface of the Earth



Chernobyl in Pripyet, Ukraine  
Worst Nuclear Disaster  
April 26, 1986

# What is sustainability?

- Sustainability: being able to use energy without destroying the environment or using it up to do so

- Involves:

- Environment
- Society
- Economy





# Why is it important to be sustainable?

- We need energy, BUT
- We also need to protect the environment
  - Freshwater
  - Air quality
  - Biodiversity
  - Natural beauty
  - Tourism
  - The economy





# Who is making sure we are becoming sustainable?

- Environmental Scientists
- Energy sector
- Governmental agencies
  
- You!

