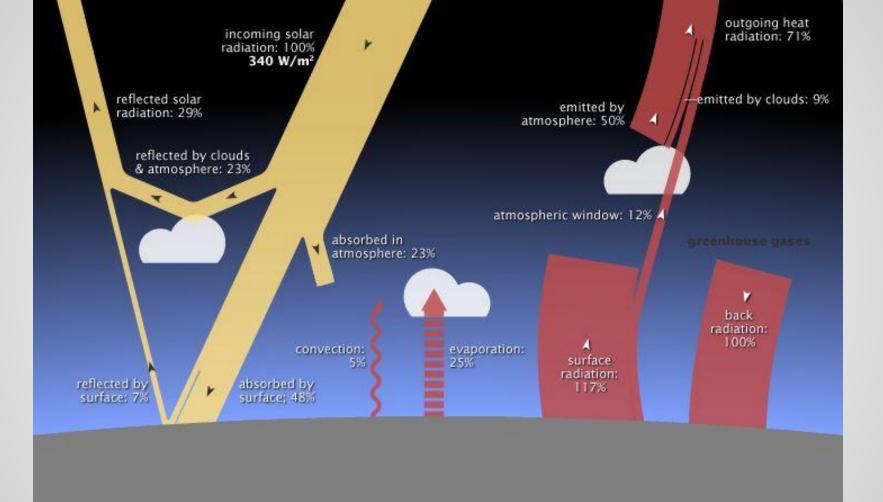
# Climate Change Model

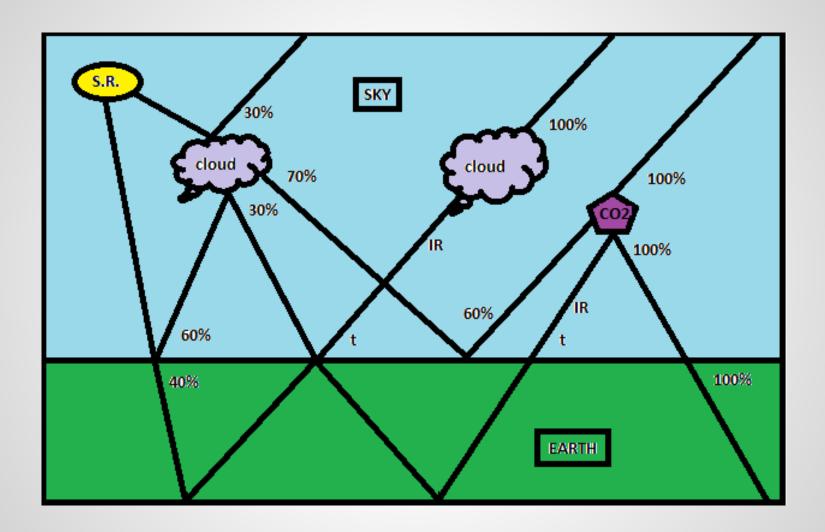
### Introduction

- ☐ Climate Change
- Global Warming
- □ CO2
- ☐ Greenhouse effect

### Introduction

- > Sunrays
- > Clouds
- > Earth
- > Albedo
- Infrared waves
- > CO2

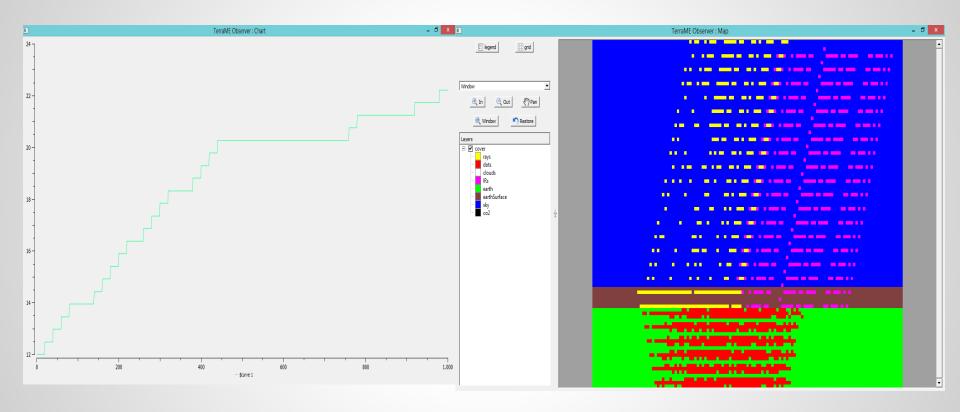




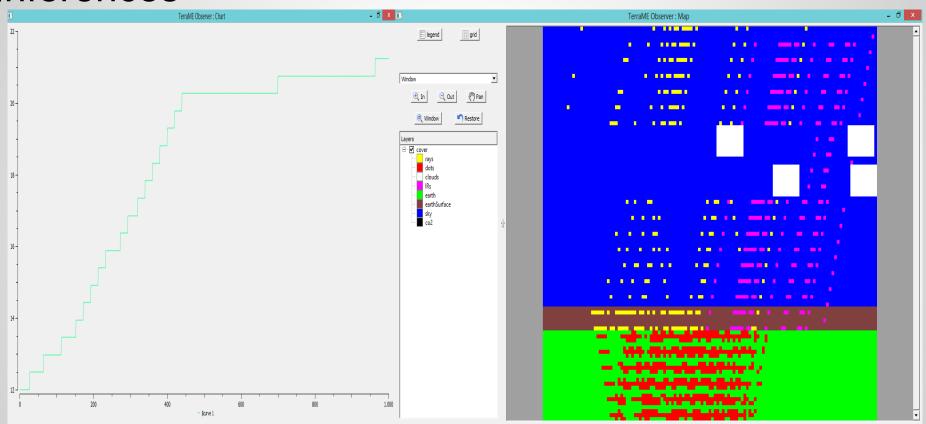
#### Model

- Cellular Automata based model
- Uses the TerraMe concepts of Neighborhood, environment, society and Timer, etc.
- Helps in understanding the effects of different parameters in global warming like carbon dioxide concentrations, cloud cover,etc
- Assuming that the entire earth has same albedo and earth can be heated uniformly

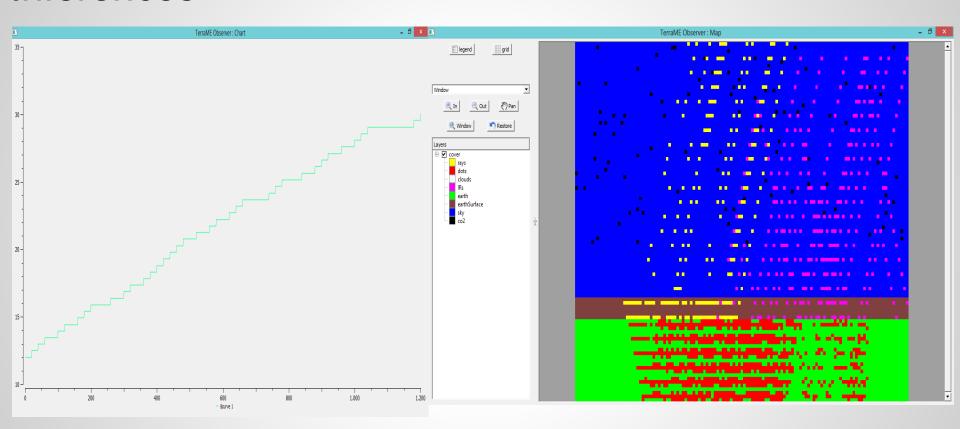
# Running the model...



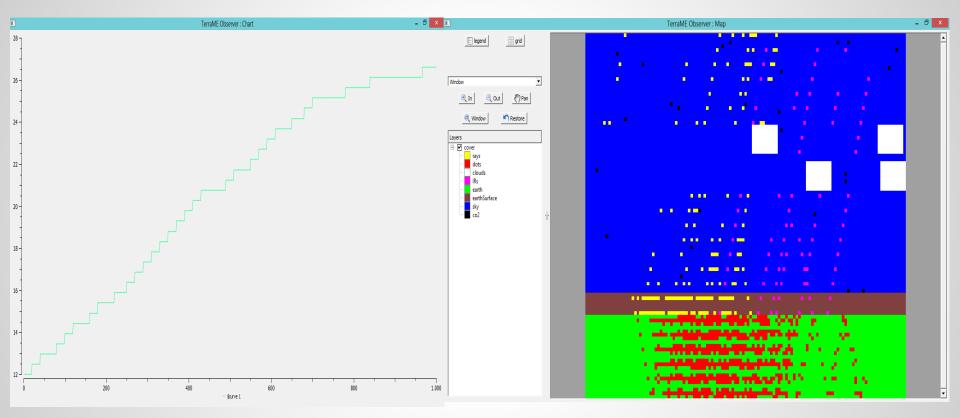
When there are no clouds and no co2 molecules(Albedo: Earth-0.6 & Clouds-0.7)



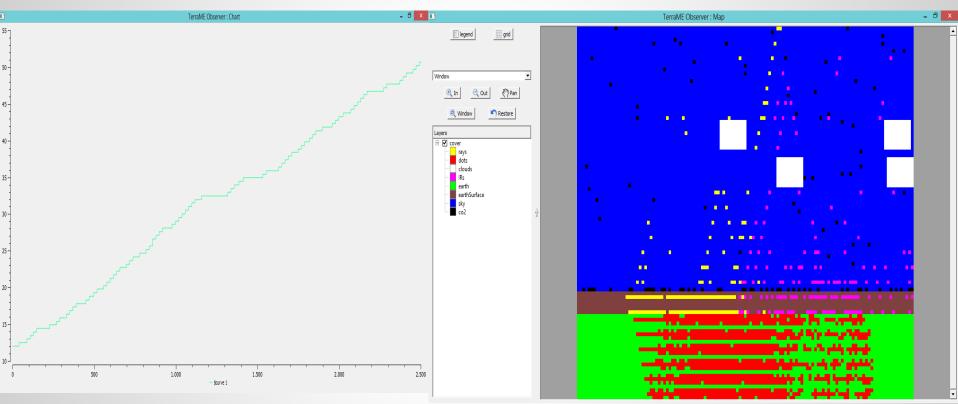
When there are two clouds and no co2 molecules(Albedo: Earth-0.6 & Clouds-0.7)



When there are no clouds and 100 co2 molecules(Albedo: Earth-0.6 & Clouds-0.7)



When there are two clouds and 25 co2 molecules(Albedo: Earth-0.6 & Clouds-0.7)



When there are two clouds and 100 co2 molecules(Albedo: Earth-0.6 & Clouds-0.7)

## Thank You! Comments?

