

October 27, 2023
MSE 2101 topics

- The impact of tectonic plates on habitability continued
 - carbon dioxide cycle
- Ways to make other planets habitable for us
 - local modifications
 - global modifications – terraformation
- Should we consider terraforming?
- Should we consider terraforming if there is indigenous life?
- Greenhouse effect: the basic idea
 - The sources: vibrations, rotations, fluorescence
- CO₂ on Earth vs. Venus:
 - 1:200,000 in the atmosphere
 - 170,000:1 in the rocks
 - WHY?
- Greenhouse effect – too much of a good thing?
 - negative and positive feedbacks
 - moist greenhouse effect
 - runaway greenhouse effect