

Final project and presentation

The final deliverable for the course project is an in-class presentation on May 28. The presentation is 15 minutes followed by Q+A. In the first two project milestones, you have explored the world2 and world3 models, developed a preliminary automated methodology for creating a sustainable development policy, and explored the network characteristics of the system model. In the final part of the project, your task is to refine and integrate your work in the first three milestones. Your goal is to define the set of parameters that best enables sustainable development as you define it.

The following questions should be addressed in the final presentation:

- What is your group's definition of sustainable development in the context of the world dynamics models?
 - Be explicit in how you construct your metric(s) and be prepared to defend your choices.
- How did you design your automated exploration of different policies?
- What did you find in analyzing the system dynamics model as a network?
- Did your network analysis affect your policy development?
- What parameters did you adjust in your final policy, and which had the biggest impact in moving your model toward your sustainable development target?
- How does the model perform in the end?
- What are the biggest strengths and weaknesses of both the model and your approach?

The presentation will be graded according to the following rubric:

Criteria	Score
Introduction to the project context What is the project goal?	10
Definition of sustainable development in the world dynamics models Clarity of definition Rationale for definition	20
Network analysis of systems model Methodology Results	20
Automated process for policy development Methodology Results	20
Discussion of results and implications What do findings suggest?	10
Conclusion, limitations, and outlook	10
Code submission (see below)	10

You must also submit a final compilation of your group's code on Moodle.

- Does it contain all the code you reference in your final presentation? (75%)
- Is it well-documented (i.e. commented)? (25%)

Lastly, you will be asked to submit a confidential form indicating your individual view on each group member's contribution to the course project. Not submitting this form will negatively impact your final grade. This will be made available after the project presentation.