Instructions for Tutorial 2

Modelling of Systems for Sustainability

2nd October 2024

1 Aim

This tutorial session is for you to work in groups to summarise a paper, as is expected for Coursework 1. The lecture on communicating with the public, policymakers and the media is not until week 5, so this is an opportunity for you to discuss what you think might be most useful for these audiences, which will prepare you for the lecture and perhaps prompt questions for the lecturer.

2 Before the tutorial

In the first tutorial each table worked on a paper selected from the list of those with ODDS. Assuming you will be at the same table for this tutorial, make sure you are familiar with the paper your table selected. For those who missed the first tutorial and are coming to this tutorial, some of the papers that were looked at were as follows:

- 10:10–11:00

  - Piou, C. and E. Prévosta. 2012. A demo-genetic individual-based model for Atlantic salmon populations: model structure, parameterization and sensitivity. Ecological Modelling 231:37-52
  - Student, J., B. Amelung, and M. Lamers. 2016. Towards a tipping point? Exploring the capacity to self-regulate Antarctic tourism using agent-based modelling. Journal of Sustainable Tourism 24:412-429. `http://dx.doi.org/10.1080/09669582.2015.1107079`
  - Polhill, J. G., D. G. Brown, and V. Grimm. 2008. Using the ODD protocol for describing three agent-based social simulation models of land use change. Journal of Artificial Societies and Social Simulation 11. `http://jasss.soc.surrey.ac.uk/11/2/3.html`

- 13:10–14:00

  - Chen, X., F. Lupi, L. An, R. Sheely, A. Viña, and J. Liu. 2012. Agent-based modeling of the effects of social norms on enrollment in payments for ecosystem services. Ecological Modelling 229:16-24. `http://www.sciencedirect.com/science/article/pii/S0304380011003401`
  - Piou, C. and E. Prévosta. 2012. A demo-genetic individual-based model for Atlantic salmon populations: model structure, parameterization and sensitivity. Ecological Modelling 231:37-52
  - Student, J., B. Amelung, and M. Lamers. 2016. Towards a tipping point? Exploring the capacity to self-regulate Antarctic tourism using agent-based modelling. Journal of Sustainable Tourism 24:412-429. `http://dx.doi.org/10.1080/09669582.2015.1107079`

- 14:10–15:00

  - Carter, N., S. Levin, A. Barlow, and V. Grimm. 2015. Modeling tiger population and territory dynamics using an agent-based approach. Ecological Modelling 312:347-62. `http://www.sciencedirect.com/science/article/pii/S0304380015002574`
  - Student, J., B. Amelung, and M. Lamers. 2016. Towards a tipping point? Exploring the capacity to self-regulate Antarctic tourism using agent-based modelling. Journal of Sustainable Tourism 24:412-429. `http://dx.doi.org/10.1080/09669582.2015.1107079`

3 In the tutorial

As a table spend half an hour coming up with an summary of the paper oriented as best you can towards the public, policymakers and the media, and a 2 slide presentation which one of you will give to the tutorial group. The first slide should be a summary of the criteria you have used to decide what these audiences would want to know and what they would not be interested in. The second slide should be a very short, possibly bulleted, overview of your summary.

The subsequent 15 minutes will give each of the three tables time to present their slides and answer questions.

Note down for future reference any questions you have for the lecture on communication in week 4.