

VESPUCCI SUMMER INSTITUTE 2010: WEEK AT A GLANCE

Day	Morning	Afternoon
Monday	<p>Human-Environment Models (1)</p> <p><i>Discussion:</i> How to include human actions in Earth System Science Modelling?</p> <p><i>Hands-on exercise:</i> Creating a cellular automata model in TerraME</p>	<p>Human-Environment Models (2)</p> <p><i>Discussion:</i> Game Theory, Evolution of Cooperation in Iterated Prisoner's Dillema</p> <p><i>Hands-on exercise:</i> Iterated Prisoner's Dillema</p>
Tuesday	<p>Human-Environment Models (3)</p> <p><i>Discussion:</i> Emergence of Cooperation and Competition, Schelling's Segregation Model and Spatial Prisoner's Dillema</p> <p><i>Hands-on exercise:</i> Schelling's Segregation Model and Spatial Prisoner's Dillema on TerraME</p>	<p>Human-Environment Models (4)</p> <p><i>Discussion:</i> The tragedy of the commons [Hardin] and Coping with tragedies of the commons [Ostrom]</p> <p><i>Hands-on exercise:</i> a simple spatial model for management of common pool resources</p>
Wed	<p>Human-Environment Models (5)</p> <p><i>Groupwork 1:</i> Proposing conceptual models for management of common pool resources</p>	<p>Human-Environment Decision Making (1)</p> <p><i>Discussion:</i> Geoinformation in crisis management. Different phases in risk management: safety chain; Involved actors and roles of actors.</p>
Thu	<p>Human-Environment Decision Making (2)</p> <p><i>Discussion:</i> Information technology and Information sharing in crisis management: the Netcentric Approach.</p> <p><i>Demos:</i> spatial technology case studies for risk management and crisis response.</p>	<p>Human-Environment Decision Making (3)</p> <p><i>Groupwork 2:</i> Hands-on exercise Modelling forest fires in the Netherlands using a FARSITE.</p>
Friday	<p>Human-Environment Decision Making (4)</p> <p><i>Discussion:</i> Advanced GIS technology for risk management: natural and man-made hazards, real-time data, (sharing) the common operational picture.</p> <p><i>Groupwork 2 (cont):</i> Sharing knowledge using Eagle crisis Management system.</p>	<p><i>Presentation of Results of Groupwork1 and Groupwork 2 by Groups</i></p>