

Agenda: Pest Risk Mapping Workshop

All activities will be in the Eucalyptus Loft at Costanoa (unless otherwise specified)

8/11/2009 Tuesday

<u>Time</u>	<u>Session/Activity</u>	<u>Presentation</u>	<u>Presenter(s)</u>
8:00	Breakfast	(provided; served in meeting room)	
8:30	Open Meeting	Welcome and discussion of logistics, facility, amenities, etc.	Frank Koch
8:45		Structure/objectives of meeting	Roger Magarey or Darren Kriticos
9:00	Priority Issues	Update on Bioscience paper (Venette et al.) / burning issues (revisiting the 10 recommendations from the paper)	Rob Venette/ Darren Kriticos
9:30	Presentations: Developing a Best Practice Guide & Toolkit for Modeling	NAPPFAS-T-OBS: Recent developments in Cyberinfrastructure for pest risk mapping	Roger Magarey
10:00		Best practice manual for pest risk modelling and mapping	Darren Kriticos
10:30	Tea/Coffee Break		
11:00	Presentations: New Modeling Techniques/Approaches	Modelling the threats from aquatic weeds: a case study using water hyacinth	Sarah Brunel and Darren Kriticos
11:30		Identifying and mapping areas of transient and persistent pest risk	Darren Kriticos and Marelize De Villiers
12:00	Lunch	(provided; served in meeting room or on adjacent lawn)	
13:00	Presentations: New Modeling Techniques/Approaches (cont.)	Multivariate spatiotemporal clustering (MSTC) as a means to portray pest risk	Bill Hargrove
13:30		A case for incorporating evolutionary relationships into pest risk mapping	Kevin Potter
14:00		Agent modeling	Bill Hargrove
14:30	Tea/Coffee Break		
15:00	Presentations: Uncertainty	Assessing the robustness of risk maps and survey networks to knowledge gaps about new invasive pests	Denys Yemshanov
15:30		Machine learning, ensembles and uncertainty in pest distribution modelling and prediction	Sue Worner
16:00		Uncertainty analysis of maps created through overlay (uncertainty in ordinal risk classification)	Bill Smith
16:30		Early detection, information gaps and design of surveillance programs for invasive species	Denys Yemshanov
17:00	Reception	(1 hour)	

Evening *Dinner (on your own)*

8/12/2009 Wednesday

<u>Time</u>	<u>Session/Activity</u>	<u>Presentation</u>	<u>Presenter(s)</u>
8:00	Breakfast	(provided; served in meeting room)	
8:30	Next Year's Meeting	Introducing Port Douglas, Australia	Darren Kriticos
9:00	Presentations: Impact Mapping / Climate Analysis	Updated Economic Analysis: Risk to U.S. Apple, Grape, Orange and Pear Production from the Light Brown Apple Moth, Epiphyas postvittana	Glenn Fowler, Lynn Garrett, Alison Neeley, Roger Magarey, Dan Borchert
9:30		Climate analysis of red imported fire ant establishment in New Zealand	Glenn Fowler
10:00	Tea/Coffee Break		

10:30	Presentations: Pathways	Pathways mapping: Freight transport/commodity allocation for invasive pests	Frank Koch (for Colunga & others)
11:00		Pathways mapping: Potential hotspots of activity within urban areas	Roger Magarey for Manuel Colunga
11:30		Projected rates/probabilities of arrival of invasive forest pests at inland locations through the U.S. – current human-assisted spread project combining various data sources and techniques	Frank Koch, Yemshanov, Colunga, Magarey
12:00	Lunch	(provided; served in meeting room or on adjacent lawn)	
13:00	Presentations: Decision-Maker/User Perspectives	Pest risk maps: What are they good for?	Susan Frankel, USDA Forest Service SOD Nat'l Program Manager
13:30		A state-level user's perspective on risk maps	Tom Smith, Forest Pest Management, CA Dept of Forestry and Fire Protection
14:00		Group discussion	
14:30	Tea/Coffee Break		
15:00	Presentations: Data	Host range studies of <i>Phytophthora ramorum</i>	Kylie Ireland
15:30		The effects of spatial data precision on fitting and projecting species niche models	Darren Kriticos and Agathe Leriche
16:00		US Urban Forest and/or Street Tree data availability and applications	Mark Ambrose
16:30	Burning Issues	Burning issues summary	Darren Kriticos
17:00	Adjourn		

Evening Dinner (on your own)

8/13/2009 Thursday

<u>Time</u>	<u>Session/Activity</u>	<u>Presentation</u>	<u>Presenter(s)</u>
8:00	Breakfast	(provided; served in meeting)	
8:30	Presentations: Model	What's behind the pretty maps? A model intercomparison project	Darren Kriticos
9:00		Linkov & Burgistrov: lessons learned from another intercomparison effort	Rob Venette
9:30		PRATIQUE model intercomparison	Sarah Brunel Eppo
10:00		Model Shootout	Roger Magarey
10:30	Tea/Coffee break		
11:00	Planning	Model Intercomparison Project Planning: Part 1	
12:00	Lunch	(provided; served in meeting room or on adjacent lawn)	
13:00	Planning	Model Intercomparison Project Planning: Part 2	
15:00	Tea/Coffee break		
15:30	Finish questions/scenarios		
16:00	Set time line		
16:30	Deliverables?		
17:00	Adjourn		

Evening Dinner (on your own)