

(10/05/09)

Warfare Ecology: Synthesis, Priorities, and Policy Implications for Peace and Security
NATO Advanced Research Workshop
10-12 December 2009, Vieques, Puerto Rico, USA
General Schedule

Thursday, 10 December

Time	Description	Speakers
8:00 a.m. – 9:45 a.m.	<i>Welcome and Introduction to the Workshop</i> Warfare, Ecology, and Global Environmental Security Warfare Ecology: An Introduction	Gary Machlis, USA and Zdravko Spiric, Croatia Pekka Haavisto, Finland Gary Machlis, USA
9:45 a.m. – 10:00 a.m.	<i>Break</i>	
10:00 a.m. – 11:20 a.m.	<i>Ecology of War Preparations: Concepts and Case Studies</i> Ecological Impacts of Large-Scale War Preparations Military Activities and Public Health Treatment of Contaminated Marine Ecosystems: A Case Study from Vieques, Puerto Rico	Mukash Burkitbayev, Kazakhstan Jennifer Leaning, USA James Porter, USA
11:20 a.m. - 12:00 p.m.	<i>Ecology of War Preparations: Discussion*</i>	
12:00 p.m. – 1:30 p.m.	<i>Lunch</i>	
1:30 p.m. – 2:45 p.m.	<i>Ecology of War: Concepts and Case Studies</i> War Over Resources: The Role of Natural Resources in the Prevention of Conflicts The Impact of War on Biodiversity Environmental Contamination During Wartime: Current Scientific Understandings	Jeffrey McNeely, Switzerland Thor Hanson, USA Majlinda Ndroqi, Albania
2:45 p.m. - 3:00 p.m.	<i>Break</i>	
3:00 p.m. - 4:00 p.m.	<i>Ecology of War: Discussion*</i>	
4:00 p.m. - 4:30 p.m.	<i>Summary of the Day</i>	Gary Machlis, USA
5:30 p.m.	<i>Group Dinner</i>	
7:00 p.m. – 8:00 p.m.	<i>Evening session</i> The Relationship of Warfare Ecology to General Ecology	Almo Farina, Italy

Friday, 11 December

Time	Description	Speakers
8:00 a.m. – 8:10 a.m.	<i>Welcome and Overview of the Day</i>	Zdravko Spiric, Croatia and Gary Machlis, USA

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8:10 a.m. – 9:50 a.m.	<i>Ecology of Post-Conflict Activities: Concepts and Case Studies</i> Issues of Stability and Sustainability in Post-Conflict Systems Environmental Risk and Impact Assessment Associated with Post-Conflict Restoration and Rehabilitation Restoration and Reconstruction for Environmental Security The Application of Warfare Ecology to Occupations: Selected Case Studies	Ashok Swain, Sweden Milena Horvat, Slovenia Sarah Meharg, Canada Michael Mason, UK
10:00 a.m. – 10:15 a.m.	<i>Break</i>	
10:15 a.m. – 11:00 a.m.	<i>Ecology of Post-Conflict Activities: Discussion*</i>	
11:00 a.m. – 11:30 a.m.	The Human Ecology of Vieques: Background for the Field Trip	Gary Machlis, USA
11:45 a.m. – 12:30 p.m.	<i>Lunch</i>	
12:30 p.m. – 5:00 p.m.	<i>Field Trip: Vieques and Meetings with Community Representatives</i>	
6:00 p.m.	<i>Group Dinner</i>	
7:30 p.m. – 8:30 p.m.	<i>An Overview of the NATO Advanced Research Workshop on Warfare Ecology</i>	Selected speakers from the workshop: panel discussion open to the public

Saturday, 12 December

Time	Description	Speakers
8:00 a.m. – 9:15 a.m.	<i>Policy Implications of Warfare Ecology</i> The Fog of Uncertainty: The Political Ecology of Environmental Security Warfare Ecology and its Application to Issues of Terrorism The Policy Implications of Warfare Ecology for Peace and Security	Peter Liotta, USA Valerio de Divitiis, Italy Zdravko Spiric, Croatia
9:15 a.m. – 9:45 a.m.	<i>Policy Implications of Warfare Ecology: Discussion*</i>	
9:45 a.m. – 10:00 a.m.	<i>Break</i>	
10:00 a.m. – 11:00 a.m.	<i>Research Priorities for Warfare Ecology</i> Application of Human Ecosystem Models to Warfare Ecology Professional Training and Graduate Education Needs for Warfare Ecology	Shawn Dalton, Canada Elvia Melendez-Ackerman, USA
11:00 a.m. – 11:45 a.m.	<i>Research Priorities for Warfare Ecology: Discussion*</i>	
12:00 p.m. – 1:00 p.m.	<i>Lunch</i>	

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| 1:00 p.m. –
1:30 p.m. | <i>Assignment of Working Group Tasks</i> | Gary Machlis, USA |
| 1:30 p.m. –
3:30 p.m. | <i>Working Group Meetings</i>
Research Priorities
Technology Transfer and Policy Implications
Funding, Training, and Education Opportunities | |
| 3:30 p.m. –
4:30 p.m. | <i>Reports from Working Groups: Next Steps</i> | Moderators: Zdravko Spiric, Croatia
and Gary Machlis, USA |
| 4:30 p.m. –
5:00 p.m. | <i>Conclusion to the Workshop</i> | Gary Machlis, USA and Zdravko
Spiric, Croatia |
| 6:00 p.m. | Closing Dinner | |

*Discussions will be moderated by members of the organizing committee.