PASI SCHEDULE 17, 12 June 2008

Pan-American Advanced Studies Institute (PASI): Cyberinfrastructure for International, Collaborative, Biodiversity and Ecological Informatics

Schedule of Activities, May 31 - June 13, 2008

Note: Times and Events are likely to change a little during daily schedules at La Selva

Date	Time	Activity	Presenter/Organizer	Comments
Overnight Location				
				Best Western Irazu, Km 3 Autopista General Canas
Saturday, May 31, 2008		International Arrivals to Juan Santamaria Airport (SJO)		San Jose, 1000, CR. Tel 506 2 290 9300
San Jose, Hotel Irazu-Best Western		Take a taxi to hotel 18 Km from airport		Pay in CR Colones or US Dollars
	6:00 PM	Informal Group Dinner meet in Hotel Irazu Reception/Lobby at 6:00 PM	All	Walk to Restaurante, La Fuente de Mariscos, 2nd floor, Centro Commercial San Jose 2000, Tel 2231 0631 or 2296 1256
				(Costa Rican participants invited to join us for dinner!)
Sunday, June 01, 2008	7:00 AM	Breakfast and Hotel Check-out		
La Selva Biological Station	8:00 AM	Load Bus at Hotel Irazu with all suitcases		
	8:30 AM	Arrive and settle at INBioparque		
	9:00 AM	**Session 0** Welcome and Presentation on Biodiversity Conservation in Costa Rica	Don Rodrigo Gámez Lobo, President INBio	
	10:00 AM	INBio biodiversity research tour	Erick Mata, INBio	
	11:00 AM	Bus to La Selva		
	12:00 PM	"		
	1:00 PM	Lunch at Rancho Robertos		
	2:00 PM	Back on the bus to La Selva		
	3:00 PM	Arrive La Selva, De-bus, register at reception, pack-in		Checking in, Room assignments, getting settled
	3:30 PM	**Session 1 Facility Tour (optional and if time)**	OTS Staff	
	4:30 PM	Free time (maybe)		
	5:00 PM	Reception Station Director's Patio (mandatory)	Deedra McClearn	Welcome at Family House 1
	6:00 PM	Dinner in the Cafeteria/Comedor		
	7:15 PM	**Session 2 (Overview)** The US NSF PASI Program	Jessica Robin, U.S. NSF	All La Selva PASI sessions are in the PASI conference room in the classroom building, excepting field exercises.
	7:30 PM	Research at La Selva, History, Context, Current	Deedra McClearn	
	8:10 PM	PASI: Introductions, science themes, curriculum and logistics	Beach, Ibarra, Organizing Committee.	Kickoff and Logistics
Monday, June 02, 2008	6:00 AM	Breakfast (served 6 AM - 7:30 AM daily)		
	6:30 AM	Optional Guided Tour of Forest (approximately 90 minutes)		Add names on sign up sheets
La Selva Biological Station	8:00 AM	**Session 3 (Overview)** Introduction to Biodiversity Informatics	Mata	
	9:00 AM	Presentation: Conceptual Landscape of Technology Enabled Science	Deanna Pennington	
	10:00 AM	Coffee Break		
	10:30 AM	Hands-on: CMAP software	Pennington/All	Conceptualizing Biodiv and Eco Informatics
	12:00 PM	Lunch (served 11:30 AM - 1 PM daily)		
	1:00 PM	**Session 4 (Tools and Overview)** CMap Hands-On continued		(This serves to introduce everyone's field of
	2:00 PM	Analysis of results of Biodiv-Eco CMaps	Pennington/All	interest and to identify common ground)
	2:30 PM	Coffee Break		
	3:00 PM	Discussion with Individual Research Interests	All	
	4:00 PM	Discussion with Individual Research Interests	All	Journal at the end of the day
	5:00 PM	Free time		
	6:00 PM	Dinner (served 6 PM - 7 PM daily)		
	7:15 PM	**Session 5** Presentation: La Selva: the old-growth tropical rain forest landscape	David Clark, Resident Researcher	
	8:30 PM	Socialize/Free time		
Tuesday, June 03, 2008	6:00 AM	Breakfast		
	6:30 AM	Optional Guided Tour of Forest (approximately 90 minutes)		Add names on sign up sheets
La Selva Biological Station	8:00 AM	**Session 6 (Tools):** Specimen, Climate, Geospatial Data, Data Collection/Management Concepts, Issues, Standards	Bryan Heidorn and Bob Morris	Ecological Metadata Language, Darwin Core, SDD, EML, GBIF/TDWG task groups, observations and multimedia
	9:00 AM	"	Bob Morris	

	Time	Session/Activity	Presenter	Details
	10:00 AM	Coffee Break		
	10:30 AM	Geospatial Data Overview	Aimee Stewart	OGC standards, Map Server, WMS, WFS
	11:00 AM	Hands-On: QGIS	Stewart and Morris	
	12:00 PM	Lunch		
	1:00 PM	**Session 7 (Tools and Integration)** Hands-On continued	Stewart	specimen data, climate data, geospatial data
	2:00 PM	Lifemapper Introduction		OGC
	2:30 PM	Coffee Break		
	3:00 PM	Web Services using Lifemapper as an example	Stewart	Intro to web services
	4:00 PM	Hands-on: Developing a web services client in Python	"	
	5:00 PM	Free Time		
	6:00 PM	Dinner		
	7:00 PM	**Session 8 (Data)** Geocoding: Birds of a Feather Session	Morris	Geospatial data tools and techniques, TBD.
	8:00 PM			Bring your GPS, camera, cables to connect to a computer
Wednesday, June 04, 2008	6:00 AM	Breakfast		
	6:30 AM	Optional Guided Tour of Forest (approximately 90 minutes)		Add names on sign up sheets
La Selva Biological Station				
		Session 9 (Tools and Integration)		
	8:00 AM	Ecological Sensor Networks	Eric Graham, Yeung Lam	Science Questions, Technologies
	9:00 AM	"	Fabio Silva	Field Exercises Overview & Hardware Setup
	10:00 AM	Coffee Break		
	10:30 AM	ESN's continued	Graham/Lam/Silva	Field Hardware Setup & Deployment
	11:00	Middleware for Sensor Network Communities	Paul Hubbard UCSD	
	12:00 PM	Lunch		
	1:00 PM	**Session 10 (Tools)** ESN's continued	Graham/Lam/Silva	Field Hardware & Data Collection
	2:00 PM	"	Graham	Data analysis for Example Science Questions
	2:30 PM	Coffee Break		
	3:00 PM	"	Graham	Data Analysis, continued
	4:00 PM	"	Lam/Silva	In-depth hardware setup
	5:00 PM	Free time		
	6:00 PM	Dinner		
	7:00 PM	**Session 11 (Tools)** Hands-on: LabView	Lam/Silva	
	8:00 PM	"	"	
Thursday, June 05, 2008	6:00 AM	Breakfast		
	6:30 AM	Optional Guided Tour of Forest (approximately 90 minutes)		Add names on sign up sheets
La Selva Biological Station				
		Session 12 (Community): Grid Computing	Ben Clifford	Grid Computing
	8:00 AM	Grid Computing	Open Science Grid	Overview, Demos
		"	"	Hands-On
	10:00 AM	Coffee Break		
	10:30 AM	Grid Computing (continued)	Ben Clifford	Grid Computing
	11:00 AM	"	"	
	12:00 PM	Lunch		
	1:00 PM		"	
	1:30 PM	Unix Tutorial (optional)	Bob Morris	
	2:00 PM	**Session 13 (Community): Grid Computing**	Ben Clifford	
	2:30 PM		"	
	3:00 PM	Coffee Break		
	3:30 PM	Grid Computing Continued	"	
	5:00 PM	Free time		
	5:30 PM	**Session 14: Dinner at Ara Ambigua**	Load buses at 5:30	
	7:00 PM			
	8:00 PM	**Free Time**		
Friday, June 06, 2008	6:00 AM	Breakfast		
		Optional Guided Tour of Forest (approximately 90 minutes)		Add names on sign up sheets
La Selva Biological Station	8:00 AM	**Session 15 (Integration): Species Distribution Modeling**	Enrique Martinez	
	9:00 AM	"	Enrique Martinez	
	10:00 AM	Coffee Break		
	10:30 AM	Lifemapper Demonstration	Aimee Stewart	
	11:00 AM	Workflow and Kepler Demo	Deana Pennington and Dave Thau	
	12:00 PM	Lunch		
	1:00 PM	**Session 16: Impact of High-Performance Research and Education Networks on Science**	Julio Ibarra	
	2:00 PM	Coffee Break		
		Session 17 (Integration): Workflow Environments		
	2:30 PM	Integrating your research interests	Deana Pennington	Group discussion - Sensitizing questions

Date / Location	Time	Activity	Presenter	Notes
	3:00 PM	Small Groups - using new technologies in your research, Conceptual Workflows Hands on: Paper prototyping workflows	Deana Pennington	
	4:00 PM	"		
	5:00 PM	Free time		
	6:00 PM	Dinner		
	7:00 PM	**Group Presentations: Topics:** GIS and policy, Data Mining, Image Metadata, Models of Collaboration, more ENM, Geo-coding/GIS/ …, other?		
	8:00 PM	"		
	9:00 PM	"		
Saturday, June 07, 2008 Hotel Boyeros, Liberia	6:00 AM	Breakfast		
	8:00 AM	**Session 18 (Integration): Ontologies**	Dave Thau	
	9:00 AM	Hands-on: Protégé and Ontofest	"	Species profile, SDD, other TDWG ontologies
	10:00 AM	"		
	10:30 AM	Coffee Break		
	11:00 AM	Ontologies: Presentation and Morphster	Morris/Sequeda	
	12:00 PM	Lunch		
	1:00 PM	Pack and load bus for travel to Guanacaste		
	1:30 PM	Bus to Hotel Boyeros		Hotel Boyeros, Liberia, Tel: 506 2666-0722
	3:00 PM	"		hboyeros@racsa.co.cr
	4:00 PM	"		http://www.hotelboyeros.com
	5:00 PM	"		
	6:30 PM	Dinner at Aroma Tico, on the way to Liberia		
	7:00 PM	Arrive Hotel Boyeros, Check-in		
	8:00 PM	**Session 19: Free Time in Liberia**		
Sunday, June 08, 2008 Hotel Boyeros, Liberia	7:00 AM	Breakfast		
	8:00 AM	Bus to ACG		
	9:00 AM	**Session 20 (Data)** Area de Conservation Guanacaste (ACG), big picture of biodiversity	Dan Janzen/Winnie Hallwachs and 29 collaborators	
	10:00 AM	Biodiversity inventory: Up-close and personal, species, data and everything else	"	
	11:00 AM	"	"	
	12:00 PM	Lunch at ACG, Park Headquarters	"	
	1:00 PM	**Session 21 (Community Computing)** Sliding into DNA barcoding	"	
	2:30 PM	Coffee Break	"	
	3:00 PM	Taking the barcode revolution to an entirely new fauna	"	
	4:00 PM	"	"	
	5:00 PM	Free time (tentative)	"	
	6:00 PM	Bus back to Hotel Boyeros		
	7:00 PM	Dinner in Liberia		Recommended: La Toscana, Paseo Real (make reservation). Ronald will come back with recommendations la Toscana is in centro commercial across from BK
Monday, June 09, 2008 La Selva Biological Station	7:00 AM	Breakfast, Check-out of Hotel		
	8:00 AM	Bus to La Selva		Some instructors depart Liberia Airport
	9:00 AM	"		
	10:00 AM	"		
	11:00 AM	Arrive La Selva		
	12:00 PM	Lunch		
	1:00 PM	**Session 22 (Tools) Working with Core Applications**	Morris	
	2:00 PM	Hands-on: Install and configure, PHP, MySQL	Morris/group	
	2:30 PM	Coffee Break		
	3:00 PM	Hands-on: Install Apache and Menalto gallery	Morris/group	
	4:00 PM	"	"	
	5:00 PM	Free time		
	6:00 PM	Dinner		
	7:00 PM	**Session 23 (Tools)** Hands-on: TAPIR install	Manuel Vargas	
	8:00 PM	"	"	
Tuesday, June 10, 2008 La Selva Biological Station	6:00 AM	Breakfast		
	6:30 AM	Optional Guided Tour of Forest		
		Session 24 (Community Computing): Data		Impact of community data centers on science workflows
	8:00 AM	CRIA Brazil Community Computing	Dora Canhos	
	9:15 AM	Google Community of Applications and Services	Rebecca Shapely	
	10:00 AM	Coffee Break		
		TDWG Community: Standards and tools	Morris and Heidorn	
	10:30 AM	Google Community of Applications and Services	Rebecca Shapely	
	11:00 AM	"	"	
	12:00 PM	Lunch		
	1:00 PM	**Session 25 (Community Computing)** Encyclopedia of Life	David Shorthouse	EOL science workflows, architecture, tools, etc.

	2:00 PM	Global Collaborations through TAPIR	Manuel Vargas	
	2:30 PM	Coffee Break		
	3:00 PM	Global Collaborations through TAPIR (cont.)	Manuel Vargas	
	4:00 PM	GBIF Community	Mata	
	5:00 PM	Free time		
	6:00 PM	Dinner		
	7:00 PM	**Session 26 (Community Computing)** Content Management Systems - Drupal as an example	Shorthouse	
	8:00 PM	"		
Wednesday, June 11, 2008 La Selva Biological Station	6:00 AM	Breakfast		
	6:30 AM	Optional Guided Tour of Forest		
		Session 27 (Community Computing):		
	8:00 AM	Open Source Software and Open Publishing	Morris	Open source licensing and creative commons licensing
	9:00 AM	Specify Software Project Network Architecture	Beach	
	10:00 AM	Coffee Break		
	10:30 AM	Software Design and Usability	Shapely	
	11:30 AM	OPEN		
	12:00 PM	Lunch		
	1:00 PM	**Session 28 (Data and Tools)** **Hands-on: Character-based identification**	Orlando Vargas/Enrique Castro	using online multiple-access keys for diagnostic IDs
	2:00 PM	Character-based Identification Concepts	Morris/Heidorn	Concepts, algorithms, technologies, tools
	2:30 PM	Coffee Break		
	3:00 PM	Continuation character data concepts and applications	Morris/Heidorn	Concepts, algorithms, technologies, tools
	4:30 PM	OPEN		
	5:00 PM	Free time		
	6:00 PM	Dinner BarBeQue at La Selva		
	7:00 PM	**Session 29 (Tools)** Spatial Analysis in Macroecology, SAM	Thiago Rangel	
	8:00 PM			
Thursday, June 12, 2008	6:00 AM	Breakfast		
	8:00 AM	**Session 30 (Various)** Course Wrap-up, Missed topics, Gaps Synergistic and Future Collaborations, and Next Steps	All	
Hotel Irazu Best Western		PASI Impact Survey Funding Opportunities: NSF and JRS foundations	Bryan Heidorn	
	10:00 AM	Coffee Break and Group Picture		
	10:30 AM	Future Collaborations (continued)		
	12:00 PM	Lunch and check out		
	1:00 PM	Check out		
	2:00 PM	Depart by bus for San Jose		
	3:00 PM	Bus		
	4:00 PM	"		
	5:00 PM	"		
	6:00 PM	Arrive San Jose and check in to Hotel Irazu		
	7:15 PM	Start boarding bus to restaurant		http://www.monastere-restaurant.com/
	7:30 PM	Bus to Le Monastere, Escazu		Santa Ana Road from Escazu, left at Multicentro Paco follow the green crosses.
Friday, June 13, 2008 No lodging	AM	International Departures SJO Airport		