

		 UNIVERSITÀ DEGLI STUDI DI PADOVA		 UNIVERSITÀ DEGLI STUDI DEL MOLISE	 ETIFOR Forests Ideas Responsibility	 InVEST integrated valuation of ecosystem services and tradeoffs
“InVEST Models: Mapping and Valuating Ecosystem Services for better decision making”						
San Vito di Cadore (Belluno - Italy) 7th – 11th September 2015						
DAY	TIME	SUBJECT	TEACHER	INSTITUTION		
MODULE 1: Ecosystem Services Assessment						
Monday 7th	9:30 - 10:15	Welcome of participants and Summer School presentation	Davide Pettenella	University of Padua		
	10:15 - 11:00	Economic evaluation of ecosystem services: a general introduction	Davide Pettenella	University of Padua		
	11:00 - 11:30	Coffee Break				
	11: 30 - 12:30	Economic Value of Environmental Resources: the LIFE+ MGN Project Case Study	Mauro Masiero	ETIFOR srl		
	12:30 - 14:00	Lunch				
	14:00 - 15:15	Governance of Ecosystem Services	Paola Gatto	University of Padua		
	15:15 - 16:00	Trip to Cortina d'Ampezzo				
	16:00 - 18.00	Collective Ownership and Management of Natural Resources: the case of the "Regole d'Ampezzo"	Davide Pettenella Paola Gatto	University of Padua		
	18:00	Close				
MODULE 2: Ecosystem Services Valuation						
Tuesday 8th	9:30 - 10:15	Evaluating Biodiversity and Recreation	Anne Stenger	AgroParisTech / INRA Nancy		
	10:15 - 11:00	Data Sharing and Web-Platforms: ENVIROGRIDS Project	Anthony Lehmann	University of Geneva		
	11:00 - 11:30	Coffee Break				
	11: 30 - 12:15	Ecosystem Services Mapping and Valuation Tools	Matteo Vizzarri	University of Molise		
	12:15 - 13:00	Land use and land cover change monitoring and impacts on Italian ecosystems and landscape	Lorenzo Sallustio	University of Molise		
	13:00 - 14:30	Lunch				
	14:30 - 15:45	The key role of scenarios and simulation models: the case of INTEGRAL Project	Matteo Vizzarri	University of Molise		
	15:45 - 16:15	Break & Refreshments				
	16:15 - 17:30	FORESTERRA - INFORMED Project: Ecosystem Service Valuation in Slovenia	Anže Japelj Vasja Leban	Slovenian Forestry Institute University of Ljubljana		
	17:30 - 18:00	Q&A and Open Discussion				
	18:00	Close				
MODULE 3: Introduction to Natural Capital Approach and InVEST						
Wednesday 9th	9:30 - 10:00	Welcoming and Participants Introductions	Bradley Eichelberger	Natural Capital Project		
	10:00 - 10:30	Introduction to the Natural Capital Project’s approach: Using ecosystem service information in decisions	Bradley Eichelberger	Natural Capital Project		
	10:30 - 11:30	Icebreaker game: Tradeoff! Agriculture Edition	Henry Borrebach	Natural Capital Project		
	11:30 - 11:45	Coffee Break				
	11:45 - 12:15	Scoping your project: The first step of an ecosystem service assessment	Robert Griffin	Natural Capital Project		
	12:15 - 12:30	Participant Questions and Answers				
	12:30 - 13:30	Lunch				
	13:30 - 14:15	Engaging stakeholders, collecting and preparing data	Bradley Eichelberger	Natural Capital Project		
	14:15 - 14:30	Scenario Generator	Martin Lacayo Emery	University of Geneva		
	14:30 - 15:15	Scenario Generator Game	Martin Lacayo Emery, Henry Borrebach	University of Geneva/NatCap		
	15:15 - 15:45	Break & Refreshments (plus help with software installation)				
	15:45 - 16:15	Introduction to InVEST	Bradley Eichelberger	Natural Capital Project		
	16:15 - 17:15	Firehose introducing InVEST models: 1) Timber management; 2) Carbon 3) Sediment Retention; 4) Habitat Risk Assessment	Henry Borrebach Robert Griffin Bradley Eichelberger	Natural Capital Project		
	17:15 - 18:00	Q&A				
	18.00	Close				

MODULE 4: InVEST Application				
Thursday 10th	9:00 - 9:30	Discussion and reflections from Day 1	Bradley Eichelberger	Natural Capital Project
	9:30 - 10:15	Ecosystem service valuation	Robert Griffin	Natural Capital Project
	10:15 - 11:00	Introduction and background to Tunisia case study (INFORMED Project)	Boutheina Stiti	Institut de Recherche en Génie Rural,Eaux et Forêts (INRGREF)
	11:00 - 11:30	Coffee Break		
	11:30 - 12:30	Demonstration/walk-through of the InVEST sediment model using Tunsia data	Bradley Eichelberger	Natural Capital Project
	12:30 - 13:30	Lunch		
	13:30 - 14:15	Introduction and background to the NatCapia case study	Bradley Eichelberger	Natural Capital Project
	14:15 - 15:30	Hands-on: Analyzing three ecosystem services in the "NatCapia" watershed Application of 3 InVEST models (Carbon Storage, Timber Management, and Sediment Delivery Ratio) to evaluate the impacts of various future scenarios, comparing the results to access the tradeoffs between a baseline scenario and alternative management practices	Henry Borrebach, Robert Griffin, Bradley Eichelberger	Natural Capital Project
	15:30 - 15:45	Break & Refreshments		
	15:45 - 16:15	Getting the word out: Synthesizing and communicating results	Henry Borrebach	Natural Capital Project
	16:15 - 17:15	Hands-on: Analyzing ecosystem services continued including open discussion	Henry Borrebach Robert Griffin Bradley Eichelberger	Natural Capital Project
	17:15 - 17:30	Q&A and Open Discussion		
	17:30	Close		
MODULE 5: InVEST Application (Interpreting and Synthesizing Results)				
Friday 11th	9:00 - 9:30	Discussion and reflections from Day 2	Bradley Eichelberger	Natural Capital Project
	9:30 - 10:30	Hands-on: Synthesizing and communicating results Exploring different ways of evaluating and synthesizing the results from the previous exercises, to answer different questions about the impacts on ecosystem services as estimated by the InVEST models:	Henry Borrebach Robert Griffin Bradley Eichelberger	
	10:30 - 11:15	Group presentations, report back on hands-on exercises and discussion		Natural Capital Project
	11:15 - 11:30	Coffee Break		
	11:30 - 12:00	Open discussion on hands-on activities and results	Henry Borrebach Robert Griffin Bradley Eichelberger	Natural Capital Project
	12:00 - 12:30	Open session – hands-on with InVEST models Session will be tailored to meet the needs of participants: they can choose to continue the exercises with the data provided, or can begin to prepare their own project data if desired	Henry Borrebach Robert Griffin Bradley Eichelberger	Natural Capital Project
	12:30 - 13:30	Lunch		
	13:30 - 14:30	Networking and problem solving: Participants discuss own projects	Henry Borrebach Robert Griffin Bradley Eichelberger	Natural Capital Project
	14:30 - 15:30	Open session – hands-on with InVEST models and NatCap Session will be tailored to meet the needs of participants: they can choose to continue the exercises or have break out groups discussing certain models or review topics:	Henry Borrebach Robert Griffin Bradley Eichelberger	Natural Capital Project
	15:30 - 15:45	Break & Refreshments		
	15:45 - 16:15	Future steps for InVEST and NatCap (RIOS and OPAL)	Bradley Eichelberger	Natural Capital Project
	16:15 - 16:45	Additional time to address specific questions about applicability of NatCap approach and InVEST models to participants’ own projects	Henry Borrebach Robert Griffin Bradley Eichelberger	Natural Capital Project
	16:45 - 17:00	Evaluation surveys and close of workshop		
	17.00	Close		
<div><div><div>Future-oriented integrated management of European forest landscapes</div></div><div></div><div></div><div></div><div></div><div></div></div>				