

Final Schedule

Time	Event	Lead/Presenters
May 23 (Sunday, San Diego, USA)		
15:00	Registration, Town and Country Resort	
17:00	Social gathering, Town and Country Resort	
18:00	Welcome	<ul style="list-style-type: none"> • A. Beyene • W. Oechel • Nancy Marlin, Provost, SDSU • Federico Graef Ziehl, Director General, CICESE • David Hayhurst, Dean, College of Engineering, SDSU • Stanley Maloy, Dean, College of Sciences, SDSU • Jeffery Chase, Sustainability Institute, SDSU • Sponsors
19:00	Dinner - Town and Country	
May 24 (Monday, San Diego, USA)		
8:00 AM	Breakfast	
09:00 - 10:00 Chair: Walt Oechel	Lecture Topic: Linking Energy, water, and global change Studies	Asfaw Beyene: "Linking and Balancing Energy, Water, and Climate Change, an Overview."
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30	Break	
10:30 - 11:30 Chair: Asfaw Beyene	Lecture Topic: Climate and Climate Feedbacks	Walter Oechel: "Patterns of climate, resource use, and population; the impossible triad"
11:30 - 12:00	Q&A, Summary	
12:15 - 14:00	Lunch break	
14:00 - 15:00 Chair: Ron Zevenhoven	Presentations	Sam Shen: "Mathematical methods for assessing and detecting climate changes" José Antônio Sena, Marcio Giannini Pereira, Marcos Aurélio Freitas, Neilton Fidelis da Silva: "Hydric Vulnerability of the Rio Acre Basin: the energy, social and economic repercussions of climate change"
15:00 - 15:30	QA and Summary	
15:30 - 15:45	Break	
15:45 - 17:00	Student discussion	Lead: David MacPhee
18:00	Dinner - Cheesecake Factory	

May 25 (Tuesday, San Diego, USA)

8:00 AM	Breakfast	
09:00 - 10:00 Chair: Catherine Gautier	Lecture Topic: Climate Change and Water	Edward Beighley: "Large scale hydrologic modeling, to measure water surface elevations on earth."
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30	Break	
10:30 - 11:30 Chair: Ed Beighley	Lecture Topic: Climate and Energy	Ron Zevenhoven; "Global warming versus Thermal Discharge to the Environment"
11:30 - 12:00	Q&A, Summary	
12:15 - 14:00	Lunch break	
14:00 - 15:00 Chair: David MacPhee	Presentation	Catherine Gautier: "Education about energy, water and climate from a complex system perspective"
15:00 - 15:30	QA and Summary	
15:30 - 15:45	Break	
15:45 - 17:00	Student discussions	Lead: David MacPhee
18:00	Dinner & Organizing committee and lecturers meeting	

May 26 (Wednesday, San Diego, USA)

8:00 AM	Breakfast	
09:00 - 10:00 Chair: Krzysztof Badyda	Lecture Topic: Water and Climate	Ruby Leung: "Climate change and aerosol effects on water resources"
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30	Break	
10:30 - 11:30 Chair: Ruby Leung	Lecture Topic: Water and Energy	Temesgen Garoma: "Comprehensive Resource Balance for Ethanol Produced from Different Sources"
11:30 - 12:00	Q&A, Summary	
12:15 - 14:00	Lunch break	
14:00 - 15:00 Chair: Francisco Meza	Presentations	Krzysztof Badyda, Janusz Lewandowski: "The Challenges of Abiding by Environmental Regulations: The Case of EU and Poland as Case Examples" Francisco Meza: "The economic impacts of Climate Change, vulnerability and adaptation of agriculture and water resources to climate variability and climate change: the case of Chile"
15:00 - 15:30	QA and Summary	
15:30 - 15:45	Break	
15:45 - 17:00	Student discussion	Lead: Francisco Meza
18:00	Dinner	

May 27 (Thursday, San Diego, USA)

8:00 AM	Breakfast	
09:00 - 10:00 Chair: Temesgen Garoma	Lecture Topic: Economy and Sustainability	Peter Bartelmus" "The cost of climate change"
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30	Break	
10:30 - 11:30	Lecture Topic: Water and Energy	Sharon Megdal: "Water Management Challenges in the Semi-arid Southwest and the Role of Energy in their Resolution"
11:30 - 12:00	Q&A, Summary	
12:15 - 14:00	Lunch break	
14:00 - 15:00 Chair: Jaroslaw Milewski	Presentations	Hiram Ndiritu: 'Wet scrubbers: A gaseous emission control solution to climate change" Jaroslaw Milewski: "SOFC hybrid system optimization using the advanced mathematical model of SOFC"
15:00 - 15:30	QA and Summary	
15:30 - 15:45	Break	
15:45 - 17:00	Student discussion	Lead: Hiram Ndiritu
18:00	Dinner	

May 28 (Friday, San Diego, USA)

8:00 AM	Breakfast	
09:00 - 10:00 Chair: Bill Lawrence	Lecture Topic: Policy and Sustainability	L. Gylvan Meira Filho: "A metric for the formulation of policies for climate change and sustainability"
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30	Break	
10:30 - 11:30 Chair: L. Gylvan Meira Filho	Lecture Topic: Sustainability	Bill Lawrence: "What satellites tell us about resource use and land use change"
11:30 - 12:00	Q&A, Summary	
12:15 - 14:00	Lunch break	
15:00	Leave for Ensenada	
17:00	Dinner, Coral hotel and Marina, Ensenada, MX	<ul style="list-style-type: none"> • Federico Graef Ziehl, Director General, CICESE • Dean, College of Sciences, SDSU • Sponsors

May 29 (Saturday, Ensenada, Mexico)		
8:00 AM		Breakfast
09:00 - 10:00 Chair: Dr Hadi M. El Magerbi	Lecture Topic: Climate and Sustainability	Tereza Cavazos: "Climate and Sustainability: The Role of State Climate Action Plans"
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30		Break
10:30 - 11:30 Chair: Tereza Cavazos	Lecture Topic: Climate and Water Nexus	Dr Hadi M. El Magerbi, Dr Ibrahim Mohammed Saleh, Dr S.P.Bindra: "LINKAGE BETWEEN ENERGY WATER AND CLIMATE CHANGE FOR SUSTAINABLE DESERT DEVELOPMENT" Shahid Chaudhry: "Climate Change Impacts on California's Water-Energy Nexus"
11:30 - 12:00	Q&A, Summary	
12:00	Leave hotel for field trip, winery	
12:30		lunch
19:00		Return to Ensenada
19:30		Dinner
May 30 (Sunday, Ensenada, MX)		
8:00 AM		Breakfast
09:00 - 10:00 Chair: Shahid Chaudhry	Lecture Topic: Climate and Energy	Enrico Sciubba: "Exergy and extended exergy accounting of industrial & societal systems"
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30		Break
10:30 - 11:30 Chair: Vilma Barban	Lecture Topic: Water and Climate	Thomas Kretzschmar: "Water demand and solutions; an example from Guadalupe Valley"
11:30 - 12:00	Q&A, Summary	
12:15 - 14:00		Lunch break
14:00 - 15:00 Chair: Michael Hightower	Presentation	Vilma Barban, Raphaële Ducrot: "Capacity Building in Negotiation about Water Management in Peruvian Region: The 'Teraguas' Approach in Sao Paulo, Brazil."
15:00 - 15:30	QA and Summary	
15:30 - 15:45		Break
15:45 - 17:00	Student discussion	Lead: José Rodrigo Rojas M.
18:00		Dinner
May 31 (Monday, Ensenada, MX)		
8:00 AM		Breakfast
09:00 - 10:00 Chair: Thomas	Lecture Topic: Water supply in the Americas,	Michael Hightower "Energy for water and water for

Kretzschmar	cross border issues and sustainability	energy, trends in electric power, alternative fuels, biofuels, desal and wastewater reuse."
10:00 - 10:15	Q&A, Summary	
10:15 - 10:30	Break	
10:30 - 11:30 Chair: Michael Hightower	Lecture Topic: Development and sustainability	Giacomo Branca: "Synergies and trade-offs between food security and agricultural mitigation and adaptation"
11:30 - 12:00	Q&A, Summary	
12:15 - 14:00	Lunch break	
14:00 - 15:00 Chair: José Antônio Sena	Presentation	José Rodrigo Rojas M., "Costa Rica´s route to a carbon neutral country: A review on the current findings and future research linking water, energy and climate change framework."
15:00 - 15:30	QA and Summary	
15:30 - 15:45	Break	
15:45 - 17:00	Student discussion	Lead: José Antônio Sena
18:00	Dinner	
June 1 (Tuesday, Ensenada, MX)		
7:00 AM	Leave for Thermal Field tour	
Breakfast may be served on the road		
11:00 - 13:00	Discussion	The interlinks of energy, Water, and Climate Change; Lead: Asfaw Beyene
13:00 - 13:30	Q&A, Summary	
19:00 - 11:30	Dinner & Organizing Committee and lecturers meeting	
June 2 (Wednesday, Ensenada, MX)		
8:00 AM	Breakfast	
09:00 - 13:00	Student Presentations and feedbacks	Lead: Walt Oechel
Free afternoon		
18:00 - 19:00	Dinner	
19:15	Leave for San Diego	
June 3 (Thursday, San Diego, USA)		
8:00 AM	Breakfast	
11:00 - 13:00	White paper presentation	Lead: Asfaw Beyene
13:00 - 14:00	Lunch	
14:00	Adjourn	