

Summer School of Sustainability Science
Shanghai, China
7-12 July 2019

GOSES 3

THE GOVERNANCE OF SOCIO-ECOLOGICAL SYSTEMS EXPLORING THE LAND-OCEAN CONTINUUM: COASTAL ZONES, RIVER DELTAS, ISLANDS AND WETLANDS



Organized jointly by

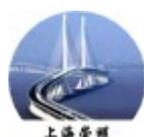
ECNU
East China Normal University

URCA
University of Reims Champagne-Ardenne

SENSE
Netherlands Research School for Socio-Economics and Natural Sciences of the Environment

Website: www.goses.ecnu.edu.cn

Contact: goses@ecnu.edu.cn, goses-school@univ-reims.fr



CONCEPT

East China Normal University is hosting a Summer School on the Governance of Socio-Ecological Systems (SES), which is a rapidly emerging issue in many environment related disciplines and especially sustainability science. The GOSES Summer School is organized together with the University of Reims and SENSE (Netherlands Research School for Socio-Economic and Natural Sciences of the Environment).

China is developing rapidly with significant impacts on the environment. At the same time, it is undergoing profound transformations that are meant to lead to the development of an ecological civilization. Countries throughout the world chose similar pathways towards sustainable development. This is pursued through a specific policies and concrete projects. How are they designed? How are they governed? Use-inspired and place-based research such as sustainability science plays a key role in this transformation. The third edition of the Summer School on the Governance of Socio-Ecological Systems (GOSES) will focus on these questions and related ones. The previous editions featured prominently the challenge of studying socio-ecological systems where two or more resources, such as land and water, are featured prominently. This edition specifically aims at bringing together scholars from China, Europe and other parts of the world, who integrate knowledge on both land and water-centered socio-ecological systems, such as coastal zones, river deltas, islands and wetlands, particularly in the proximity of large cities, such as Shanghai. Particular attention will be paid to the processes through which integrated policies are developed, implemented and evaluated and to concepts such as telecoupling and teleconnection. Previous editions proved that there definitely is a critical mass of doctoral candidates, post-docs and young scholars out there in China, as well as in the rest of the world, who could benefit from a one-week intensive program. For the first time, the summer school will be organized in Shanghai, China. This will allow for the in situ observation of the Chongming Island, a socio-ecological system where the land-water continuum is prominent, which was subject to significant human intervention and which aims at becoming a world class eco-island.

The GOSES Summer School is designed not only for doctoral students, but also for post-docs and faculty members, who wish to further explore the governance of socio-ecological systems, discuss cutting-edge research with peers and established scholars alike, and develop specific skills such as presenting and discussing research, co-writing papers, modeling socio-ecological systems and performing fieldwork.

This edition aims at bringing together scholars who work on socio-ecological systems and are interested in its governance at different levels, from local to regional to global, and from different perspectives, including ecology, biology, agronomy, geography, planning, management, economics, anthropology, sociology, political science, international relations and the emerging discipline of sustainability science. The specific focus of this edition will be the land-ocean continuum: coastal zones, river deltas, islands and wetlands. However, this edition may also be suitable for scholars working on other types of socio-ecological systems, who are interested in learning more about Chinese and European research on socio-ecological systems.

The program of the GOSES Summer School will feature not only in situ observation of the socio-ecological system of the Chongming island, where the land-water continuum is prominent and where local stakeholders are actively engaged in building an eco-island. Based on their observations, participants will also attempt to perform participatory research on the sustainability of this socio-ecological system with the support of local scholars, practitioners and citizens. The course will take place in an environment that favors mutual learning, exchange and conviviality, surrounded by the beautiful cityscape of Shanghai.

The GOSES Summer School is composed of three modules, one fieldtrip and one final seminar. The specific topics of each module are the following:

1. Understanding socio-ecological systems;
2. Conceptualizing the governance of SES;
3. Telecoupling of socio-ecological systems.

Each module lasts a full day and is composed of two sessions:

- Morning session: interactive lectures;
- Afternoon session: parallel workshops:
 - A. Research seminars;
 - B. Science-policy lab;
 - C. Methods lab.

Each participant is expected to attend the morning lectures, as well as present and discuss his or her research in the afternoon workshops. The fourth day will be dedicated to a fieldtrip and to participatory research. The last day will be devoted to the final seminar, which is aimed at wrapping up lessons learned from the GOSES Summer School, identifying the cutting edge of research on the governance of socio-ecological systems and discussing the way forward.



Socio-ecological systems

There is a large number of scholars that are currently working on socio-ecological systems. The analysis of the governance of socio-ecological systems is frequently problematic. The GOSES Summer School aims at addressing this emerging challenge. The Summer School is expected to appeal to those researchers who focus on local, regional and global environmental governance, and those who come from structuralist and rationalist scholarly traditions, as well as constructivist and critical ones. This Summer School will be an opportunity for much needed cross-fertilization among scholars employing different approaches.

A socio-ecological system consists of a bio-geophysical unit and its associated social actors and institutions.

(Glaser et al. 2011)

Levels of governance

Concerning the level of governance, we expect most participants to be primarily interested in the local or regional level with regard to specific resources or sectors, but the research of those looking at the planet as a socio-ecological system itself could also provide interesting perspectives.

Some bibliographic references

Ostrom and Cox (2010), Moving beyond panaceas: a multi-tiered diagnostic approach for social-ecological analysis, [Environmental Conservation](#)

Balsiger and VanDeveer (2012), Navigating regional environmental governance, [Global Environmental Politics](#)

Glaser and Glaeser (2014), Towards a framework for cross-scale and multi-level analysis of coastal and marine social-ecological systems dynamics, [Regional Environmental Change](#)

Examples of socio-ecological systems

- Fisheries
- Pastures
- Forests
- Landscapes
- Food systems
- Irrigation schemes
- Aquifers
- River basins
- Coastal zones
- Regional seas
- Mountain ranges
- Oceans
- Atmosphere
- Some endangered species

Also known as

- Human-environment systems (HES)
- Coupled human and natural system (CHANS)
- Bio-geographical provinces
- Environmental regions
- Ecoregions
- Bioregions
- Georegions
- In Dutch: *Sociaal-ecologisch systeem*
- In French: *Systèmes socio-écologiques* (SSE)



Organizing Team

- CAI Yongli, East China Normal University, China
- CHURCH Jon Marco, University of Reims, France
- CHEN Ruishan, East China Normal University, China
- VAN DOMMELEN Ad, VU University Amsterdam, The Netherlands
- YE Chao, East China Normal University, China



Facilities

The GOSES Summer School is hosted by East China Normal University in Shanghai, which is a beautiful, cutting-edge venue (www.ecnu.edu.cn). It will start on Sunday 7 July in the early afternoon and finish on Friday 12 July in the late morning. It is planned so to allow most participants to arrive and leave Shanghai on the same day.

Costs

The GOSES Summer School fees will cover all standard expenses except travel to Shanghai. Participants subscribing to the accommodation option will be hosted right next to the venue at the “Huhua International Hotel” (<http://79353.hotel.cthy.com/>). Lunch will be provided at the venue. Local transport will be ensured by the organizers.



PROGRAM

Modules



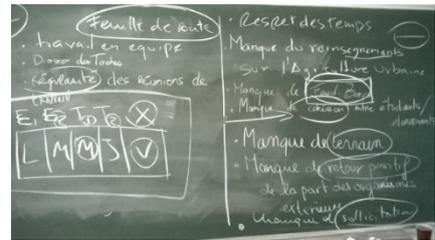
Three modules in the morning – four hours each with a coffee break for each module:

1. Understanding socio-ecological systems;
2. Conceptualizing the governance of socio-ecological systems;
3. Telecoupling of socio-ecological systems.

Workshops

Three types of workshops in the afternoon facilitated by established scholars and young researchers – three hours each:

- A. Research seminars: presentation of the participants' research projects to small groups and discussion led by a scholar;
- B. Science-policy lab: initiation to the co-writing of interdisciplinary papers or policy documents;
- C. Methods lab: initiation to qualitative and quantitative methods applied to socio-ecological systems, including modelling.



Fieldtrip



Participation in a fieldtrip to the Chongming island, which is a beautiful socio-ecological system nearby and performance of participatory research on the governance of this socio-ecological system with the support of local scholars, practitioners and citizens. Based on the outcomes of this fieldtrip, a research paper will be drafted



jointly by interested participants and leading faculty with the aim of submitting it to peer reviewed scholarly journals such as *Ecology & Society* and *Sustainability*.

Seminar



Participation in a final seminar on the governance of socio-ecological systems, which is aimed at wrapping up lessons learned from the GOSES Summer School, at identifying the cutting edge of research on the governance of socio-ecological systems and at discussing the way forward. A high level guest practitioner will deliver a keynote presentation.

PROGRAM

Schedule

	Sunday 7	Monday 8	Tuesday 9	Wednesday 10	Thursday 11	Friday 12				
8		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast				
9	Arrivals	Module 1	Module 2	Module 3	Travel	Seminar				
10					In Situ Observation					
11										
12										
13							Lunch	Lunch	Lunch	Lunch
14					Workshops 1		Workshops 2	Workshops 3	Participatory Research	Departures
15	Welcome									
16	City Tour	Reception	Cultural Event							
17		Free Time		Travel						
18	Free Time		Dinner	Free Time	Dinner					
19										
20	Dinner	Dinner	Dinner							
21										



MORNING MODULES

East China Normal University, Coastal and Estuarine Building Conference Room

Day 1: Understanding socio-ecological systems

Lecturers: ZHANG Ke, Nanjing Institute of Geography and Limnology of the Chinese Academy of Sciences

Topics: the first module focuses on the analysis of socio-ecological systems, and discusses the definition and different conceptualization of socio-ecological systems. Humans and nature are strongly coupled and truly intertwined to the point that there are virtually no ecosystems that are not shaped by people and no people without the need for ecosystems and the services they provide in our globalized society. This module will first introduce the importance of system thinking on the human and nature interaction in understanding complex environmental issues and making policy decisions. Then, this module will explore various understandings of social-ecological systems and their methodologies, with case studies to show their system dimension. Finally, it will illustrate how social-ecological system analysis help understand environmental change and human adaptation looking at the case of China's Yangtze river basin and coastal areas.

Participants will be asked to identify the key component of the social-ecological system and examine the interactions and dependencies between humans and nature and their evolution as a whole. They will also be asked to provide examples of social-ecological systems and their dynamics.

Learning objectives: to develop an understanding of the social-ecological system concepts; to use the theory in analyzing major environmental issues; to distinguish different system thinking in human-nature research

Teaching methods: theoretical lectures followed by questions and answers; case work in small groups followed by group presenting, questions and discussion

Day 2: Conceptualizing the governance of socio-ecological systems

Lecturers: CHURCH Jon Marco, HABITER Research Unit at the University of Reims, and YE Chao, School of Geographic Sciences of the East China Normal University, or SONG Ranhao, Research Center for Eco-Environmental Sciences of the Chinese Academy of Sciences

Topics: This second module focuses on the analysis of governance systems as part of socio-ecological systems. Governance is often black-boxed by scholars and sometimes confused with formal institutions or policy. This module will first distinguish between formal institutions and governance systems by looking at policies and the actors involved. A case study will be presented. Then, this module will look at various ways to conceive the governance of socio-ecological systems by comparing different conceptual frameworks. Finally, it will develop in-depth case studies from China and elsewhere. Participants will be asked to identify key features of the governance system and organize them using the conceptual frameworks proposed in this module. They will also be asked to reflect upon the concepts of fit of governance systems and scale.

Learning objectives: to refine and develop understanding of the key concepts; to use the analytical frameworks in analyzing case studies; to compare and contrast the frameworks

Teaching methods: theoretical lectures followed by questions and answers; case work in small groups followed by an interactive discussion

Day 3: Telecoupling of socio-ecological systems

Lecturers: WANG Fang, School of Life Sciences of the Fudan University, CAI Yongli, School of Ecology and Environment of the East China Normal University, and DELL'ANGELO Jampel, VU University Amsterdam

Topics: the third module focuses on using the telecoupling framework to analyze the change of socio-ecological systems from local to global scales. Telecoupling is a new avenue of research to understand today's hyper-connected world and achieve a sustainable future. Telecoupling enables natural and social scientists across various disciplines to understand and generate information for managing how humans and nature sustainably coexist. This module will first introduce the history of telecoupling understanding, and the component of telecoupling framework. Then, this module will look at how the framework of telecoupling can help promote systematic, multidisciplinary studies on different types of distant interactions and their interrelationships. Finally, various examples of telecoupling relationships will be explored and

discussed, including animal migration, tourism, trade, technology transfer, investment, human migration, knowledge transfer, species dispersal, water transfer and waste transfer.

Learning objectives: to develop understanding of the telecoupling framework; to use the framework in analyzing case studies; to analyze own research topic with telecoupling framework

Teaching methods: theoretical lectures followed by questions and answers; working in small groups to using the framework to analyze real-world issues, group presentation and discussion.

Expectations

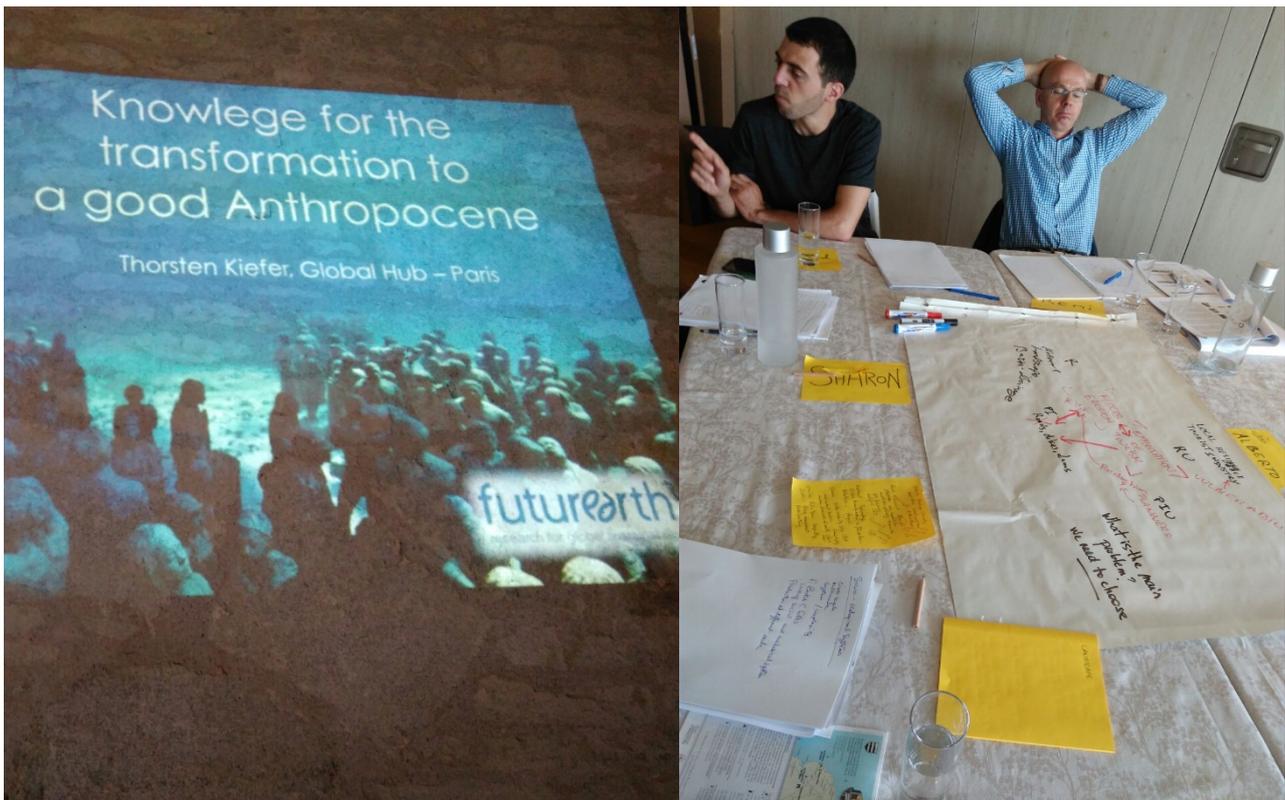
Lecturers are scholars and practitioners that are well-known for their knowledge of and experience in the subject matter and who will deliver a presentation, share materials (slides, outline, text, readings, etc.), reply to questions, lead discussions and remain available to further exchange with participants in the immediate aftermath of the sessions.

Participants are doctoral candidates, post-docs, faculty members, as well as practitioners, and are invited to take active part in the modules, asking questions, making comments and proposing examples. They are expected to participate in group exercises, such as presentations, simulations, case studies, etc.

Logistics

Morning modules last four hours. They start at 8:30 in the morning and finish at 12:30 in the afternoon. There will be one coffee break at 10:30.

Sessions take place in a large and modern conference room. Full projection and sound system is permanently installed.



LECTURERS



CHURCH Jon Marco

HABITER, University of Reims, France

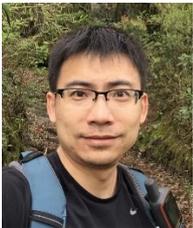
Jon is associate professor at the University of Reims and visiting scholar at the IUAV University Venice. His research focuses on the international governance of ecosystems. He is the author of the forthcoming book *Ecoregionalism: Analyzing Regional Environmental Agreements and Processes*. He also serves UNDP and the EU, working on integrated water resources management and regional integration. From 2009 to 2010, he was Ruffolo Fellow in sustainability science at the Harvard Kennedy School. He obtained his Ph.D. in political science from the Sorbonne.



DELL'ANGELO Jampel

VU Amsterdam, The Netherlands

Jampel is assistant professor of water governance at the Institute for Environmental Studies (IVM) of VU Amsterdam. He is an environmental social scientist interested in the political economy of natural resources, particularly water. His research is on the multilevel dimensions of cooperation and conflict over freshwater resources. Jampel is visiting scholar and member of the Ecohydrology Lab at the University of California at Berkeley and affiliate scholar of the National Socio-Environmental Synthesis Center (SESYNC).



WANG Fang

School of Life Sciences, Fudan University, China

Fang is professor at Fudan University. Previously, he was postdoctoral scholar at the Center for Systems Integration and Sustainability (CSIS) of Michigan University in 2015-2018. He received his Ph.D. in zoology from Peking University, during which he spent 4 years in the Qinling Mountains, working and living with nature reserve staff. Before going to graduate school, he was a professional nature photographer, traveling across major mountains in rural China. He worked on modeling the spatiotemporal structures of animal communities in forest environments, as well as revealing the complex interactions between coupled human and natural systems.



YE Chao

School of Geographic Sciences, East China Normal University, China

Chao is a professor of human geography at the School of Geographic Sciences of the East China Normal University. He was a visiting professor at the University of British Columbia in 2014-2015. His research focuses on rural-urban relations, urbanization and production of space, history and methodology of geography, as well as cultural geography. Chao obtained his Ph.D. from the Institute of Geographic Sciences and Natural Resources Research of the Chinese Academy of Sciences in Beijing in 2008.



ZHANG Ke

Nanjing Institute of Geography and Limnology,
Chinese Academy of Sciences, China

Ke got his Ph.D. in physical geography at Lanzhou University in 2011, during which his research focused on understanding environment and climate change during the last 2,000 years in the Tibetan and Loess plateaus through paleoenvironmental analysis. Then he moved to the UK to take up a postdoctoral fellowship at the University of Southampton in 2011-2013, where he investigated the nonlinear interactions between ecosystem services and human wellbeing from an evolutionary (historical) perspective, which was funded by the Ecosystem Service and Poverty Alleviation program. Since late 2013, Ke works as a research fellow at the Center of Excellence for Coral Reef Studies of the Australia Research Council. His research focuses on examining coastal social-ecological systems using complex and resilience theory. Ke was awarded with the "Hundred Talent Program" of the Chinese Academy of Science in 2016 and moved back to Nanjing.

AFTERNOON WORKSHOPS

East China Normal University, Coastal and Estuarine Building Conference Room

Type 1: Research seminars

Discussants: DOGBEH Loïck and ONDO ZE Stéphane

Roles: The organizing team will group participants based on the proximity of their research topics and will inform them of the composition of the three groups in advance. Each participant will deliver a fifteen-minute presentation of an ongoing research project of his or hers. The workshop leaders will lead a discussion that will focus on how to make the presentation more effective in an interdisciplinary context. Other participants will observe the presentations and participate in the discussions. At the end of the workshop, they will be asked to list on a whiteboard what makes an effective presentation in an interdisciplinary context, based on what they observed. The organizing team will compile the lists and share them with all participants at the end of the GOSES Summer School.

Please submit by 20 June 2019 to goses-school@univ-reims.fr

- Title of your presentation
- Abstract of your research

Skills developed: To deliver short presentations of your research; to identify what makes a presentation effective in an interdisciplinary context

Type 2: Science-policy lab

Instructors: YE Chao and CHURCH Jon Marco

Roles: The objective of the lab is to lead an interdisciplinary reflection on how to write a policy-relevant article on the governance of socio-ecological systems, using the theoretical material taught during the Summer School to which the empirical observations collected during the fieldwork will then be added. In small groups, participants will first reflect upon how to effectively perform interdisciplinary research, based on their experience and expectations; they will then discuss the conditions for the production of policy-relevant work; finally, participants will be asked to collectively identify a research question and start producing draft elements for a potential article. The drafts will be jointly reviewed and discussed, aiming at making the article publishable. The work of each group will contribute to the work of the other groups.

Skills developed: To improve writing skills; To perform interdisciplinary research; To reflect upon policy-relevance

Type 3: Telecoupling Modeling lab

Instructors: FANG Wang, SENGUPTA Dhritiraj and DELL'ANGELO Jampel

Roles: After a short presentation of ways to model telecoupled socio-ecological systems, and in general complex systems combining both physical and human dimensions (the telecoupling GeoApp, theoretical models, differential equations systems, cellular automata, adaptive cycles, models implemented in software, health indexes, development, spatial models, etc.), participants will learn how to develop basic models of specific cases. Each participant will then work on the most relevant way to model his or her own data and present it to other participants. The workshop will end with a general discussion about the possibility/adequacy/relevance of modelling for your own research.

Skills developed: To explore the modeling of telecoupled complex systems; to learn how to use some basic modelling tools; to understand when modelling can be used

Logistics

Afternoon modules last three hours. They start at 2 and finish at 5 in the afternoon. There will be one break at 3:30.

Each session will take place in modern meeting rooms with a maximum capacity of 10. A projector will be available for slideshows.

INSTRUCTORS



SENGUPTA Dhritiraj

East China Normal University, Chinae

Dhritiraj is a PhD student at East China Normal University in Shanghai. His research focuses on sustainability of coastal ecosystem with a special focus on coastal land reclamation, its impacts and its driving forces from national public policies. He holds a master's degree in GIS from India. Adrien is member of the CERI Research Group on Environment and International Relations. Next year, he will be visiting scholar at Columbia University.



DOGBEH Loïck

University of Reims, France

Loïck is doctoral candidate in urban planning at the University of Reims. He is currently working on a typology of development trajectories for the medium-size cities of tomorrow, focusing on the case study of Reims. Loïck holds a bachelor degree in environmental management and spatial planning from the Catholic University of Western Africa, as well as a master degree in urban planning from the University of Reims.



ONDO ZE Stéphane

University of Reims, France

Ze is doctoral candidate in political geography at the University of Reims. His research focuses on the ivory smuggling in the Minkébé National Park in Gabon and particularly on the multilevel governance of this socio-ecological system. Ze holds a bachelor degree in geography from the University Omar Bongo of Libreville and the University of Poitiers, as well as a master degree in political geography from the University of Reims.



FIELDTRIP

The objective of this fieldtrip is to put in practice what was learnt in the morning modules by exploring a concrete case, while performing in situ observation and applying participatory research methods.

The Chongming Dongtan area

Chongming Island, the third largest island in China, is the backyard of Shanghai. It is an alluvial island at the mouth of the Yangtze River in eastern China covering 1,267 square kilometers (489 sq mi) as of 2010. Together with the islands Changxing and Hengsha, it forms the Chongming district, the northernmost area of the provincial-level municipality of Shanghai. At the time of the 2010 Chinese census, its population was 660 000. At the beginning of 2017, Shanghai announced its Chongming World-Class Eco-Island Development, as part of the 13th Five-Year Plan. According to the plan, by 2020 the forest coverage of the island will reach 30 percent and the natural wetland preservation rate will reach 43 percent. Shanghai aims to turn Chongming Island into a world-class destination for eco-tourism. A spirit of greenness and an emphasis on the natural environment is the main mission.



The Chongming Dongtan Nature Reserve is a national-level wetland-type nature reserve for the protection of migratory birds and their habitat. Located at the estuary of the Yangtze River and at the eastern end of the Chongming Island. The total area of the reserve is 241.55 square kilometers, accounting for 7.8% of the wetlands in Shanghai.

Chongming Island is losing population along with the urbanization in Shanghai. People on the island migrated to Shanghai as taxi drivers and for other type of jobs. Its aging population become an issue for the island. Even if the Shanghai government announced the world-class eco-island plan, however, what an eco-island should be like and how should it develop, questions like these are still not be answered.

Program

Thursday 11 July 2017	
9	Travel from ECNU
10	Visit of the socio-ecological system and meeting with local stakeholders
11	
12	
13	Lunch
14	Debriefing and discussion with local scholars
15	
16	
17	Travel back to ECNU
18	

Methodology

It is proposed to apply Elinor Ostrom's diagnostic approach to analyze the sustainability of a socio-ecological system. Particular emphasis will be put on the analysis of the governance system of the Chongming island. This approach will be presented and discussed during the second module. In order to build upon the widest knowledge base possible, after a guided tour of the most significant parts of the target socio-ecological system in the morning, it is proposed to perform some participatory research with the support of local scholars, practitioners and citizens in the afternoon.

Paper

Based on the outcomes of this fieldtrip, a research paper may be drafted jointly by interested participants and leading faculty.

FINAL SEMINAR

The objective of the final seminar is to wrap up lessons learnt from the GOSES Summer School, identify the cutting edge of research on the governance of socio-ecological systems and discuss the way forward. High level guest scholars and practitioners will deliver keynote presentations.

Location

This seminar will be held at East China Normal University. Participants will be able to leave their luggage in a designated room.

Speakers



CAI Yongli

East China Normal University, China

Yongli is a professor at the School of Ecology and Environment of the East China Normal University in Shanghai. His research focuses on urban ecology, ecosystem services, and coastal sustainability. He will talk about the urban social-ecological system change in Shanghai. He holds a Ph.D. degree in ecology and has a record of more than two hundred publications on urban landscape and ecosystem services.



DELL'ANGELO Jampel

VU University Amsterdam, The Netherlands

Jampel is assistant professor of water governance at the Institute for Environmental Studies (IVM) of VU University Amsterdam. He is an environmental social scientist interested in the political economy of natural resources, particularly water. His research is on the multilevel dimensions of cooperation and conflict over freshwater resources. Jampel is visiting scholar and member of the Ecohydrology Lab at the University of California at Berkeley and affiliate scholar of the National Socio-Environmental Synthesis Center (SESYNC).



CHENG Heqing

East China Normal University, China

Heqing is professor at the State Key Laboratory of Estuarine and Coastal Research of the East China Normal University. Her research focuses on Earth System Science and Global Change in the Estuaries and Coastal Zones and on Integrated Coastal Zone Management. Heqing has been involved in many decision-making processes with the Shanghai government on coastal development and management. She will talk about adaptation to climate change, sea level rise and social-ecological risk in Shanghai.



PRACTICAL INFORMATION FOR PARTICIPANTS

Inscriptions

If you are interested in attending, you must inscribe yourself as soon as possible. Inscriptions have opened on 1 May 2019 and are on a first-come first-serve basis. The deadline for inscriptions is 15 June 2019, but inscriptions may be closed at an earlier date if full capacity is met. In this case, a waiting list will be created. We expect the program to fill quickly. Your enrolment will be confirmed upon receipt of your payment. Those who have already pre-registered please notice that you need to go through the inscription process and submit your payment in order for your participation to be confirmed. Inscriptions must be submitted through the following QR code or website:



<http://internationalmeeting.ecnu.edu.cn/v2/index.php/publics/?code=a1bf6b43c05a46c3bac613b460d5687f>
(short URL: <http://bit.do/eSdbE>)

Deadline: 15 June 2019

More information can be find here: www.goses.ecnu.edu.cn

Organizers reserve the right to refuse the enrolment of prospective participants if they do not qualify as relevant predocs, doctoral candidates, postdocs, young scholars or practitioners, if their payment is missing or in case of dishonest behavior.

Fees

The tuition fee covers all standard costs related to the GOSES Summer School, except travel and accommodation. Each participant is responsible for his or her own travel to Shanghai. The organizers found a convenient accommodation solution near the venue at a student friendly price. All participants are of course most welcome to join in, but participants are free to find their own accommodation elsewhere, if they prefer. Local transportation, the fieldtrip, coffee breaks, lunches, planned drinks and three dinners are free of charge for all enrolled participants. The tuition fee and accommodation package need to be paid in advance.

- Tuition: students: 2,000 Yuan (early bird) – 3,000 Yuan (full price); others: 3,000 Yuan (early bird) – 4,000 Yuan (full price)
- Accommodation: 1,250 Yuan (optional) (each night 250 yuan, a room will be shared by two participants)
- Meals: 750 Yuan (includes all the breakfast, lunch, supper and tea break)

The following payment methods are available through the online system (you need to install the WeChat app on your mobile phone):

- Credit card (UnionPay, Visa, MasterCard)

Scholarships

Unfortunately, the organizers are not in a position to offer scholarships to attend the GOSES Summer School. However, funding opportunities may be available from your university, government, as well as a host of private organizations, foundations and generous individuals. The organizers strive to maintain costs at an affordable level and ensure the highest value-for-money possible.

Accommodation



Huhua international hotel
No.368 Jianchuan Road,
Wujin, Minhang, Shanghai, China, 200241
Phone: +86 (0)21 6450 8999
Webpage: <http://79353.hotel.cthy.com/>

Getting there

By air The best connected airport is Shanghai Pudong airport (PVG), which is only 60 minutes away by public transportation from the city center. Shanghai Pudong airport is among the busiest airports in the world. It has direct flights from many cities around the world. The local transportation is very convenient, the subway or the magnetic levitation train can take you to the city. You can also take a taxi from the airport to the hotel, which costs around 30 USD.



Visa support

Once enrolment is confirmed, the organizers of the GOSES Summer School can issue letters for visa support upon request, but the responsibility for obtaining visas and all other documents necessary for traveling to China rests solely with the participants. The organizers decline any responsibility in this regard. If you need a visa support letter, please click “Submit Abstract” on the registration form and use this system to upload a copy of your passport in a secure manner.

Refund policy

If, for any reason, you enroll in the GOSES Summer School and change your mind or you cannot make it, please let us know as soon as possible. Any cancellation received by 15 June 2019 will result in the full refund of your tuition and accommodation fees at no cost except banking fees or differences in bank exchange rates. For cancellations received between 15 and 30 June 2019, we will be in a position to refund only accommodation fees. The organizing team is not in a position to make refunds for cancellations received on or after 1st July 2019.

ECTS credits

A certificate will be delivered at the end of the GOSES Summer School. Together with the program, this can normally be used to obtain 1 to 2 ECTS credits from your university. We estimate that our program corresponds to at least 40 hours of work. Please consult the international relations office of your university for more information regarding specific procedures.



Start connecting

Event page on Facebook: <https://www.facebook.com/events/minhang-campus-east-china-normal-university/goses-summer-school-2019/2008431679451702/>

Twitter: [#GOSES_school](https://twitter.com/GOSES_school)

You can join the group ahead by using WeChat, an app which is widely used in China. You can download the app by searching in your Google Play, Apple Store or download it here: <https://www.wechat.com/en/>. You can register a user account very easily. After you join, you can scan the following QR code to join the group.



Questions? Problems?

If you encounter difficulties with the inscription process or if you have any question about the GOSES Summer School, our Organizing Team is at your disposal. Please contact us at goses@ecnu.edu.cn, goses-school@univ-reims.fr, copying chenrsh04@gmail.com and jon-marco.church@univ-reims.fr, if the inquiry is urgent, or ask the alumni from the previous edition on Facebook: <https://www.facebook.com/events/1866557026961205/>

PREVIOUS EDITIONS

1st Summer School of Sustainability Science (Reims)

Urban Transitions to Sustainability

22-26 June 2014



- 17 participants: 3 pre-docs, 7 doctoral candidates, 3 post-docs, 2 research assistants, 1 assistant professor, 1 practitioner
- 11 countries: Algeria, France, Germany, Italy, Morocco, The Netherlands, Norway, Switzerland, Turkey, United Kingdom, United States
- 17% of participants rated the overall quality of the program “excellent” (5/5), 58% rated it “good” (4/5) and the remaining 25% “fair” (3/5)
- Back to back with the 3rd *Rencontres Internationales de Reims* in Sustainability Studies in collaboration with the IRCS



2nd Summer School of Sustainability Science (Reims)

Sustainable City Region Food and Agricultural Systems

21-25 June 2015



- 12 participants: 3 pre-docs, 5 doctoral candidates, 1 research assistant, 1 assistant professor, 2 practitioners
- 8 countries: Austria, Belgium, France, Italy, Greece, Singapore, United Kingdom, United States
- Field visits in Reims
- Back to back with the 4th *Rencontres Internationales de Reims* in Sustainability Studies in collaboration with the IRCS
- 67% of participants rated the overall quality of the program “excellent” (5/5) and the remaining 33% rated it “good” (4/5)
- Some participants returned to Reims for further research



3rd Summer School of Sustainability Science (Reims)
The Governance of Socio-Ecological Systems (GOSES)
3-8 July 2016



- 24 participants: 4 pre-docs, 14 doctoral candidates, 4 young scholars, 2 practitioners
- 14 countries: Australia, Belgium, Canada, Czech Republic, Finland, France, India, Nepal, The Netherlands, People's Republic of China, Portugal, South Africa, United Kingdom, United States
- Fieldtrip in the Ardennes
- Final conference at Sciences Po
- 20% of participants rated the overall quality of the program “excellent” (5/5), 70% rated it “good” (4/5) and the remaining 10% “fair” (3/5)



4th Summer School of Sustainability Science (Brest)
The Governance of Socio-Ecological Systems (GOSES 2)
2-7 July 2017

- 33 participants: 11 doctoral candidates, 6 young scholars, 16 senior scholars
- 15 countries: Algeria, Argentina, Australia, Canada, France, Gabon, Germany, Italy, The Netherlands, Palestine, Philippines South Africa, Spain, United States, Vietnam
- Fieldtrip in the Iroise sea
- Organized jointly with the French LTER network as a national training program of the CNRS



They said about our Summer School

The best thing about the Summer School was:

The wonderful spirit & intellectual atmosphere
a team that supports, creates, thinking & connectivity.
Thank you! I really appreciated the way it supported me to
develop my research quality through the workshops.

The balance between lectures, field trips (and the
good thematic cohesion of both), workshops
and social/cultural events.

discussing our research and having fun at
the same time - very inspiring

the time period was excellent: 3 days + 1 + 1
diversity of the activities done,
relevance of topics
very nice organization team

What was the most beneficial aspect of the event?

Communication with people in various fields and backgrounds
Presenting my project to different professionals

Meet people from other disciplines

Everything!

Honestly, this was well organized.
Good work!

What was the most beneficial aspect of the event?

meeting fellow young researchers
sharing ideas & perspectives
champagne & cultural events

The multi-disciplinary of the participants,
which gave rise to very rich discussions
during and between the different lectures and workshops.

Enlarge views on sustainability
Get to know what other people find interesting

interdisciplinarity
internationality

The best thing about the Summer School was:

The people! + their attitude in terms of willingness to
discuss, share, question and criticise.

Very well organised!
Learned new ways to look at sustainability

Food, Networking, Friendly environment

Thank you! I hope we
can do another full day
or conference in a few
years.

ORGANIZERS

East China Normal University



East China Normal University (ECNU) is recognized as one of Shanghai's top public research universities under the patronage of the Ministry of Education. It was formed in 1951 with the merger of the Great China University founded in 1924 and Kwang Hua University established in 1925, and was joined at the same time by a number of faculty members from the St. John's College, Fudan University, Tongji University, and Zhejiang University. In 1959, ECNU was officially declared as one of the first of the 16 national universities leading in China's higher education.

As the first national university of the People's Republic of China to promote teacher training, ECNU has firmly upheld the ideals of "Creativity, Character, and Community" all the while adhering to the university motto of "Seek Truth, Foster Originality, and Live up to the Name of a Teacher". In higher education, enhancing morality and fostering talents represent basic tasks of education, which the university has implemented from the CPC's education and other related policies in order to promote the "three whole education" mode – a new direction in Chinese higher education that features "whole staff education, whole process education and all-round education". It is also a priority to strive for teaching innovation, scientific research, and projects of national strategic importance, and carrying out its rigorous action plans: "Education Plus", "Ecology Plus", "Health Plus", "Intelligence Plus" and "Internationalization Plus".

Website: <http://english.ecnu.edu.cn/>



Minghang Campus of the East China Normal University

University of Reims



This multidisciplinary university develops innovative, fundamental and applied research. It provides more than 25,000 students with a wide range of undergraduate and graduate study programs, which correspond to society's needs in all domains of knowledge. The university also accompanies independent or company backed students in professional development training. URCA is situated in five different cities: Reims (main site), Troyes, Charleville-Mézières, Châlons-en-Champagne and Chaumont.

The university largely contributes to the development of the region through its partnership with local and national companies and regional authorities. With more than 1,500 educators and researchers, as well as more than 1,000 technical and administrative staff members, URCA is one of the largest employers of the region.

URCA aims to appeal to international students and scholars and has consequently introduced the construction of an interregional and international cluster, which includes the main institutions of higher education of the Champagne-Ardenne area as well as Walloon universities in Belgium.

Situated in the heart of Europe, URCA occupies a geostrategic position which is favorable to European and international exchanges. The university is accessible in less than one hour by high-speed train (TGV) from Paris and from the Charles-de-Gaulle international airport.

URCA hosts one of the oldest institutes of urban planning in France (IATEUR). Its HABITER research unit focuses on territorial transformations and particularly on the processes of globalization and sustainable development. It works on the inclusion of the social dimension in the analysis of socio-ecological systems and contributes to the development of a Long-Term Socio-Ecological Research (LTSER) platform in the Argonne, a history-laden forest east of Reims.

URCA and particularly its HABITER research unit is a long-term partner of the summer schools in sustainability science, having hosted the first three editions. This edition benefits from the generous support of the Embassy of France to China.

Website: www.univ-reims.fr/habiter



Croix-Rouge Campus of the University of Reims

Research School for Socio-Economic and Natural Sciences of the Environment



Research School for
Socio-Economic and
Natural Sciences of
the Environment

The Research School for Socio-Economic and Natural Sciences of the Environment (SENSE) provides a disciplinary and multidisciplinary research program aimed at advanced understanding of environmental problems and advanced training of PhD students in this field.

Established in 1994, SENSE has developed into a consortium of outstanding environmental research groups from eleven Dutch universities and institutes, covering a broad range of environmental disciplines, with contributions from the natural sciences (such as chemistry, biology, earth sciences, hydrology, environmental technology) and the socio-economic sciences (such as economics, sociology, political sciences, law).

SENSE was formally accredited by the Royal Netherlands Academy of Arts and Sciences (KNAW) for the period 1997 – 2001 and was subsequently re-accredited in 2002 and 2008. SENSE serves a total of 250 staff members and more than 600 PhD students.

The scientific mission of the SENSE Research School is to develop and promote an integrated understanding of environmental change in terms of mechanisms that cause it and the consequences that result from it.

To fulfil this mission, the combined programs of research and education within SENSE are aimed at the development and further improvement of scientific concepts and methods that are required for an effective disciplinary and multidisciplinary understanding of environmental change.

Research and education in SENSE are dedicated to developing high quality scientific results that may be applied to practically and critically inform sustainable environmental governance and decision-making.

The four core themes each encompass specifically focused research clusters to adequately reflect the main research efforts of SENSE with regard to environmental changes:

1. Environmental contaminants and nutrients;
2. Environmental change and ecosystem dynamics;
3. Global environmental change;
4. Sustainable development and social change: actors, institutions and governance.

SENSE has been providing invaluable support to the Summer School of Sustainability in Reims since 2014 in terms of overall guidance and communication tools. It kindly makes the participation of three lecturers possible.

SENSE has been partner of the summer schools in sustainability science since the beginning, supporting the participation of lecturers and instructors from the Netherlands and assisting with communication.

Website: www.sense.nl





Website

www.goses.ecnu.edu.cn

Contact

goses@ecnu.edu.cn, goses-school@univ-reims.fr

