



Objectives

The EduNexus summer school 2017 in Temuco aims at

- Introducing the basic concepts related to the Water-Energy-Food (WEF) Nexus
- Bringing together students, lecturers, and researchers from WEF-related disciplines from ITT, CCG, UFRO and their network to work on methodologies and management strategies for the Water, Energy, Food Security Nexus on river basin scale
- Illustrating Nexus related resources conflicts during a field visit to the Imperial
- Fostering the science-policy-society dialogue during a workshop with local stakeholders on the Nexus conflicts in the Imperial basin under drought conditions
- Update Nexus learning units and case study data presentation and data bases

The official language of the summer school is Spanish

Venue and Date

Universidad de La Frontera, Sede Pucón
Avenida Caupolicán 78 | Pucón-Chile
3rd – 6th January 2017

No registration fee

Field trip participation is charged depending on the number of participants

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Organizing Institutions

Universidad de la Frontera

Temuco, Chile | *Dr. Mauricio Zambrano-Bigiarini*

Universidad Católica de Chile

Santiago de Chile, Chile | *Prof. Dr. Francisco Meza*

Institute for Technology and Resources Management in the Tropics and Subtropics, TH Köln (University of Applied Sciences)

Cologne, Germany | *Prof. Dr. Lars Ribbe*

Centro Interdisciplinario de Cambio Global, Pontificia Universidad Católica de Chile

Chile

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ITT

Institute for Technology and
Resources Management in
the Tropics and Subtropics



Centro UC
Cambio Global

DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service



INTERNATIONAL SUMMER SCHOOL

Understanding and Modelling the Water-Energy-Food Nexus

3 – 6 January 2017
Temuco, Chile

Background

The Water-Energy-Food Nexus concept in the past years has been widely used to assess the diverse interrelationships and conflicts related to water, food and energy resources. WEF security is considered a suitable framework to inform policy and decision making about sustainable resources management in a dynamically changing world.

Our team consist of professors and researchers from the Institute for Technology and Resources Management at the Technical University of Cologne, the Centro de Cambio Global and Graduate Program of the Faculty for Agricultural and Forestry Sciences at the Catholic University of Chile and the University of La Frontera . We address such Nexus methodologies by our interdisciplinary education and research towards sustainable resources management in a changing environment.

In the scope of a joint DAAD funded project “EduNexus” (2015-2018), we work on the improvement of quantitative Nexus related research methodologies as well as the incorporation of these Nexus approaches in the educational programs at the involved universities and partners such as the Universidad de La Frontera. EduNexus aims at connecting the interdisciplinary and conceptual character of the NEXUS approach with quantitative methods. An international interdisciplinary expert team elaborates appropriate case studies and learning units which are continuously improved and discussed in workshops and larger Nexus related conferences.

Summer School

Monday	Tuesday	Wednesday	Thursday	Friday
Arrival and registration	Modul 1: Understanding the Nexus	Modul 3: Nexus Modeling: Implementation (Water)	Modul 4: Nexus Assessment: Case Studies	Field Trip
	Lunch	Lunch	Lunch	
	Modul 2: Nexus Modeling: Concept	Modul 3: Nexus Modeling: Implementation (Food-Energy)	Workshop with Stakeholders on drought and Nexus in the Imperial basin	

