

# COURSE ON MACROECONOMIC MODELING AND NATURAL CAPITAL

Business Administration and Economics Building (Room PC2)  
Campus San Joaquín of the Pontifical Catholic University of Chile  
Av. Vicuña Mackenna 4860, Macul, Santiago, Chile



## **May 2. Tuesday**

- 8:30 - 9:00** Coffee and introductions
- 9:00 - 9:15** Workshop overview and plan.
- 9:15 - 9:45** Introduction to the Integrated Economic-Environmental Model linked with spatial Ecosystem Services Modeling (IEEM+ESM).
- 9:45-10:00** Brief overview of scenarios to be modeled with IEEM+ESM.
- 10:00-13:00** ESM with InVEST: Theory and application of the carbon storage and erosion mitigation.

## **May 3. Wednesday**

- 9:00-11:00** Overview of IEEM and Computable General Equilibrium Models.
- 11:00-12:00** Modeling Chile's mining, forestry and fisheries sectors with IEEM.
- 12:00-13:00** The Economic Case for Nature and GTAP+InVEST, Part I.
- 13:00-14:00** Lunch.
- 14:00-17:00** Implementing IEEM-CHL scenarios with the ISIM interface.

## **May 4. Thursday**

- 13:00-14:00** Land Use/Land Cover (LULC) change modeling for IEEM+ESM.
- 14:00-17:00** Implementing IEEM-CHL scenarios with the ISIM interface, continued.

## **May 5. Friday**

- 9:00-9:45** The Economic Case for Nature and GTAP+InVEST, Part II.
- 9:45-11:00** Implementing IEEM-CHL scenarios with the ISIM interface, continued.
- 11:00 -12:00** Integrating IEEM, LULC and ES: the IEEM+ESM application to Chile
- 12:00-13:00** Wrap up and where and how to learn more about integrated economic-environmental modeling.

### **Course Coordinators and Contact**

If you have any questions please contact:  
Gonzalo García-Trujillo [ggarciat@bcentral.cl](mailto:ggarciat@bcentral.cl)  
Mario González-Frugone [mgonzalezf@bcentral.cl](mailto:mgonzalezf@bcentral.cl)  
María Antonia Yung [myung@bcentral.cl](mailto:myung@bcentral.cl)