BIOREGIONAL URBANISM—METHODS WORKSHOP
22–23 FEBRUARY 2012

Many are beginning to understand the need for methods that help professionals of the built environment to translate the science of sustainability into effective decision making at the site, neighborhood, and urban scales. We are offering a 2 day training based on decades of research and practice.

You will begin a learning process concerning:

- holistic sustainable design that integrates economy, placemaking, ecology
- globally contextualized local decision making to achieve "just sustainability"
- suitability analysis at various scales
- virtual water analysis
- trends in urban agriculture
- scientific metrics applied to the design process
- recent developments in sustainability
- relevant emerging technologies

Intended benefits for our students and collaborators:

- Application of meaningful methods to projects using global resource budgets.
- Constructive interaction with other professionals of the built environment—policy, planning, architecture, science, engineering to evolve "bioregional self-sufficiency" (BRSS).
- Networking with like-minded individuals to establish feedback loops and monitoring for course correction to achieve "just" BRSS
- Gain a competitive edge by understanding metrics leading to actual sustainability.
- Contribute to an evolving body of sustainable urbanism research and methodology

Our approach:

At earthos, we have developed a sustainable urban design method that helps professionals apply the science of sustainability to their decisions. Our method builds on well-known approaches such as The Natural Step (Sweden), Permaculture (Australia), WaterFootprint (Canada), combined with consensus building techniques and principles of social justice to offer a comprehensive model and holistic approach to sustainable urban design. At the conclusion of the training, you will have a framework through which to make decisions that are healthier for the environment and that promote vibrant urban spaces for people. We will take you through a series of presentations on our model, and then you will have an opportunity to apply the methods as your project in collaboration with other professionals proceeds. Future iterations will broaden your exposure, and contribution, to Bioregional Urbanism.

DAY 1: Earthos Institute, 9:00 am to 12:00 PM, 22 February

- Brief personal introductions and discussion of schedule. (15 Minutes)
- **1A—Bioregional Urbanism 1.0** Introductory keynote, providing a very brief overview and conceptual direction for the methodology. (10 Minutes)
- **1B—CELA 2011 Keynote**, Mapping Sustainable Futures, a more detailed introduction to Bioregional Urbanism Methodology, the United States as an example (30 Minutes):
  I. living on a finite planet—the problem of anthropocentrism;
  II. establishing bioregional boundaries;
  III. determining resource budgets and self-sufficiency "index";
  IV. resource flows, virtual water, and trade between regions.
- **Questions and Discussion** (30 Minutes)
- **Break** 10:30 — 10:40
- **1C—Example, Haiti** in the context of the Hispaniola bioregion (30 Minutes):
  a. Distribution of water resources and population in Haiti;
  b. transport in relation to economic development of Haiti;
  c. agriculture as a route to empowerment in Haiti;
  d. the notion of innovation hubs in Haiti.
- **Questions and Discussion** (45 Minutes)
- **Adjourn** 12:00 pm— Assignment for tomorrow morning, prepare a five (5) minute introduction to your personal background and skill set, using two or three slides in keynote, PDF or powerpoint.

DAY 2: Earthos Institute, 9:00 am to 12:00 PM, 23 February

- **Personal Presentations**, ethnic backgrounds and skill-sets, 5 minutes each (20 Minutes)
- **2A—CELA 2010 Keynote,** The Art of Settlement, exploring geospatial mapping and suitability analysis (30 Minutes):
  1. recap of living on a finite planet;
  2. bioregional self-sufficiency (BRSS) defined;
  3. budgeting and bioregional sustainability;
  4. feedback and the metabolism of BRSS;
  5. the global context of bioregions and BRSS;
  6. BRSS implementation and design alternatives;
  7. the "Boston Thought Experiment."
- **Questions and Discussion** (20 Minutes)
- **Break** 10:30 — 10:40
- **2B—Example, Grove Hall,** application of the methodology to an urban neighborhood (12 min. movie, + maps = 30 minutes)
- **2C—Water Footprint Calculations,** applied to Grove Hall (30 minutes)
- **Questions and Discussion** (40 Minutes)
- **Adjourn** 12:00 pm