MIT Libraries **12.000:** Solving Complex Problems
September, 2010

Librarians 12-lib@mit.edu

TEAM #1: Economics

Chris Sherratt, Environment, gcsherra@mit.edu
Daniel Sheehan, GIS, dsheehan@mit.edu
Anne Graham, Environmental Engineering, GIS, grahama@mit.edu

Purpose of assignment 2
To visit the MIT Libraries and find data useful for your team and future GIS work

Specifically: To find and visit 3 of the libraries. To consult books for food related data.To post data to the wiki by end of day October 4.

Step 1: Locate the 4 library locations: Dewey, Hayden, Barker, Rotch
Navigation: Libraries homepage → Map

Step 2: Use Barton to find books you'll need on Reserve for 12.000
Navigation: Barton → Reserves → Course number search for 12.000→get call numbers you need

Step 3: Organize members of your team to visit libraries below and consult sources indicated.

1. In ***Dewey***, use HD1421.Y4 1950 pt 1: FAO Yearbook of Food and Agricultural Statistics on Reserve for 12.000. Consult page 25, Table 7, section on Production (units at top of table)
What was the wheat production for each continent in 1949? What was the world total? Scan Table 7 for future use in mapping.

FYI: While in Dewey, locate their Impulse Borrowing Collection—books on Food!

2. In ***Hayden***, use America's Food on Reserve for 12.000. Consult page 178.
Which vegetable and fruit had the highest "average per capita consumption" value in the US 2002-04? Can you find this source for a later year on the web?

3. In ***Rotch***, use The Atlas of Food on Reserve for 12.000. Consult the map on pages 80-81.
How many people rely on rice, maize or wheat as their staple food? Name some root and tuber crops. Do any other maps look useful to your team?

FYI: While in Rotch, locate their DVD collection: some are about food (HD 9000s)

*4. On the **Web**,* go to FAOSTAT> Production> Crops *to find wheat production for 2009 for the same places as in question 1. Save this file as a csv or excel file (or even a pdf) to use later for mapping (or simply record the data if you prefer)*

Step 4: Post (and cite) your data, files and pdfs to the class wiki.