MITLibraries **12.000:** Solving Complex Problems
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Librarians 12-lib@mit.edu

TEAM #2: Data gathering and mining

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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: <u>FAO Yearbook of Food and Agricultural Statistics</u> on Reserve for 12.000. Consult page 8-9, Table 2, Agricultural Area.
   What was the total arable land for South America? (units at top of table) Scan all Table 2 for future use.

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

2. In ***Hayden,*** use the <u>Atlas of Africa</u> on Reserve for 12.000. Consult maps on page 63 and 77.
What specific additional info is shown on the map on page 77 vs. page 63? (also note scales)
      .
3. In ***Rotch,*** use <u>The Atlas of Food</u> on Reserve for 12.000. Consult the table on page 112.
   How many 2007 cubic meters of annual renewable water per capita did China have versus Chile?

FYI: While in Rotch, locate the DVD collection: some are on Food (see HD 9000s)

4. On the ***Web***, go to FAOSTAT>ResourceSTAT-Land. *Find the total arable land for 2008 for the same place as question 1. Use the country name South America>List to get this data for each country in S.A. Save this file as a csv or excel file (or even a pdf) to use later for mapping*

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