Update on IIASA’s progress

Meeting 10-12 June, 2013
Cambridge, UK
Completed tasks

GLOBIOM

- Solve problem related to introduction of G4M data in GLOBIOM
- Adjustment of G4M parameters for tropical forests
- Processing of WDPA database into SimUs format following WCMC guidelines
- Decrease of the GLOBIOM time-step from 10 years to 5 years

Congo Basin

- Change land cover map + downscaling of area by crop using sub-national statistics in DRC
- Representation of shifting agriculture with fallow land in crop rotation and fuel wood associated with crops
- Change potential harvesting rate of fuel wood in unmanaged forests: now dependent on the population density
- Simulations of national deforestation level by 2040 in DRC according to 2 scenarios for the national REDD+ strategy (Dec 2012, CoP Doha)
- Exchange spatial results on land prices and deforested area with WCMC
Completed tasks

Brazil

- Set-up access to the model on the server for Brazilian team
- Technical workshop with the Brazilian team (1-week at INPE April 2013)
- Sharing internal transportation costs

Documents

- GHG accounting in GLOBIOM (Nov 2012)
- Resolution level and systems of production (Nov 2012)
- List of products in GLOBIOM (Nov 2012)
- Current land cover and land use matrix
- Available biomass and land cover maps description for Brazil and Congo Basin
- Database on exogenous drivers projections available for Brazil and Congo Basin
- Trip report from Brazil (April 2013)
- Decrease time steps
- Scenario terminology
Other

Participation in events

- CoForTips kick-off meeting (March 2013, Montpellier)
- XVI Brazilian symposium on remote-sensing (April 2013, Foz do Iguacu)
- Regional conference about deforestation trends in the Congo Basin (May 2013, Kinshasa)

Other completed activities

- Job profiles for COMIFAC recruitments: 1 land-use policy specialist + 4 scientists/modelers
- GLP endorsement effective + article for next GLP news
Other ongoing activities

- Global hybrid biomass map
- REDD-PAC Geo-Wiki
- MODIS time series (YSSP Victor)
- Update G4M data with FRA2010
- Impact of mining on forests
- Exchange with UCL on deforestation in DRC
- Coffee
- Agricultural systems in Mato Grosso (YSSP Juliana)
Decrease of the GLOBIOM time-step

Generate missing data for intermediate years (2015, 2025, ...)

Decrease expansion/contraction constraint coefficient for cropland and herd size (square root)
  - constraints after 10 years are to be equal in the 10-yr version and the 5-yr version

Decrease the slope parameter of the non-linear function for land conversion costs (*2)
  - conversion costs of a given quantity of land over a 10-year period are to be equal in the 10-yr version and the 5-yr version
Decrease of the GLOBIOM time-step

Cropland (Mha)

Grassland (Mha)

Forest (Mha)

Other natural vegetation (Mha)
Decrease of the GLOBIOM time-step

Number of bovines (1000 TLU)

Crop price index