Jurisdictional-Scale Carbon Accounting - Evaluating Options
question:

what is the role of global datasets in jurisdictional forest carbon accounting?
alternative IPCC methods

**Stock-Difference**
- ✓ All transitions

land use/cover map

**Gain-Loss**
- ✓ Global datasets
- ✓ Uncertainty

forest loss/gain map

- Hansen et al.

forest biomass map

- Modified from Baccini et al.
Definitions: Deforestation vs. Forest Loss

**Hansen Forest Loss**
- natural disturbance
- forest clearing
- forest regeneration
- Forest conversion to other land uses

**FAO Deforestation**

**IPCC Deforestation**
TNC Perspective:
Carbon Accounting Goals

C Accounting Principles
- Accuracy
- Comparability
- Completeness
- Conservativeness
- Consistency
- Transparency

- Reality
- Relevant
- Scaleable
- Known Uncertainty

Known Uncertainty
TNC Perspective:

4 Steps

1. Identify pools and fluxes.

2. Accuracy assessments
   - Identify best existing & missing data

3. Calibrate, modify, and/or build datasets.

4. Calculate emissions and overall uncertainty.
✓ Hansen forest loss
✓ FAO defor
✓ IPCC defor

✓ Hansen forest loss
✓ FAO defor
X IPCC defor??

✓ Hansen forest loss
✓ FAO defor
X IPCC defor

✓ forest gain
✓ reforestation

✓ forest gain
✓ reforestation