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# GloFoodS: transitions to global food security. Governing by models: land use models as tools for governing food security (GOSAMO)

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iWiM  
2018

## GloFoodS: Transitions to Global Food Security

**GOVERNING BY MODELS:  
LAND USE MODELS AS TOOLS FOR  
GOVERNING FOOD SECURITY  
(GOSAMO)**

Allison Marie Loconto

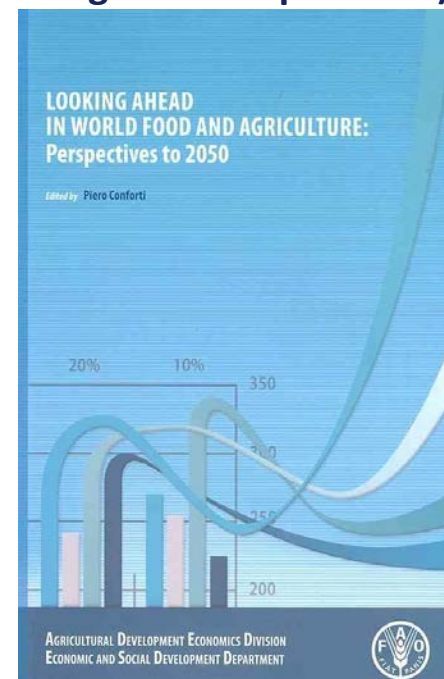
Chargée de Recherche  
Laboratoire Interdisciplinaire Sciences, Innovations et Sociétés (LISIS)  
Department SAE2 (Social Sciences, Agriculture and Food, Rural  
Development and Environment)



VERSAILLES, FEBRUARY 1-2, 2018

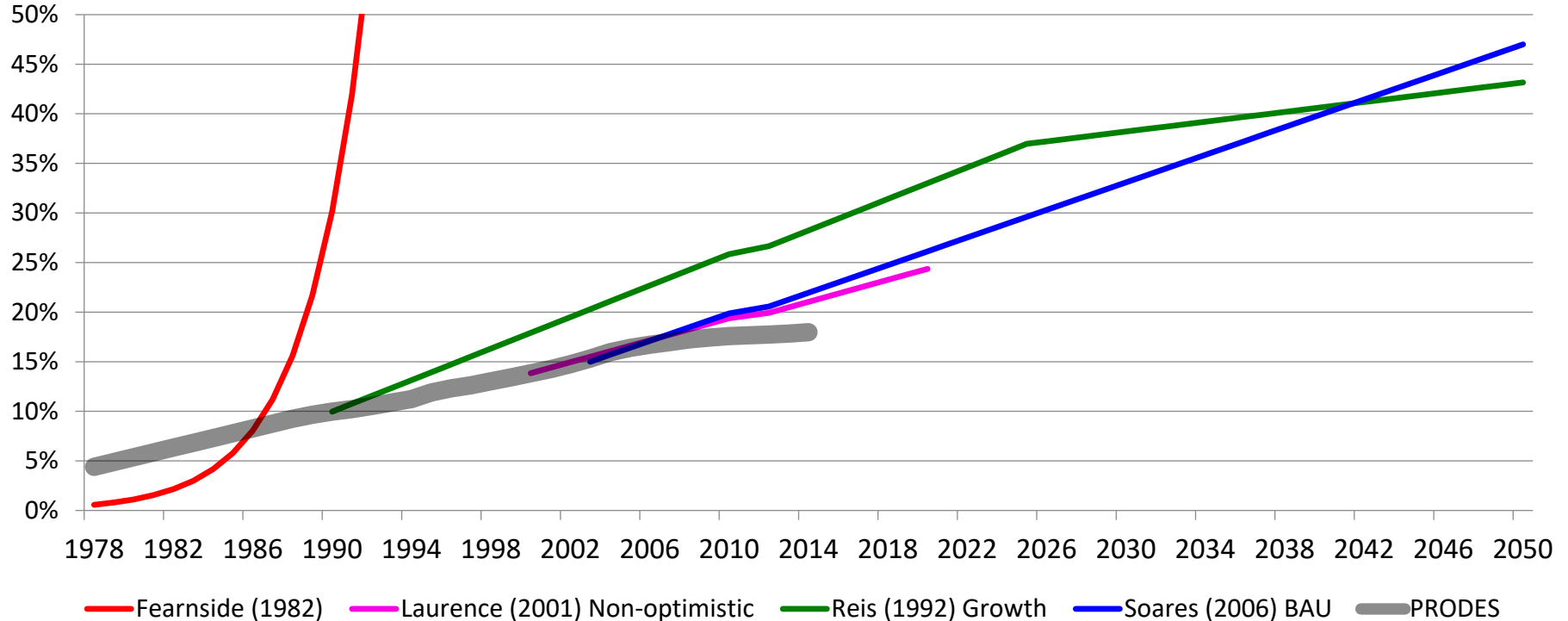
INTERNATIONAL WORKSHOP  
ON INRA'S METAPROGRAMS

- I. **GloFoodS question: How does food security governance affect agricultural practices and land use?**
- II. **The GOSAMO question : How do models and metrics (of land use and agricultural practices) affect the governance of food security?**
  - I. Instruments of knowledge (intra-disciplinary critique)
  - II. Instruments of public action (inter-disciplinary critique)
- III. **Approach:**
  - I. 3 workshops with S. African and Brazilian Associated Partners (2015-2016)
  - II. 2 Masters Theses (2015-2016)
  - III. Researcher Exchange between France and Brazil (2017)

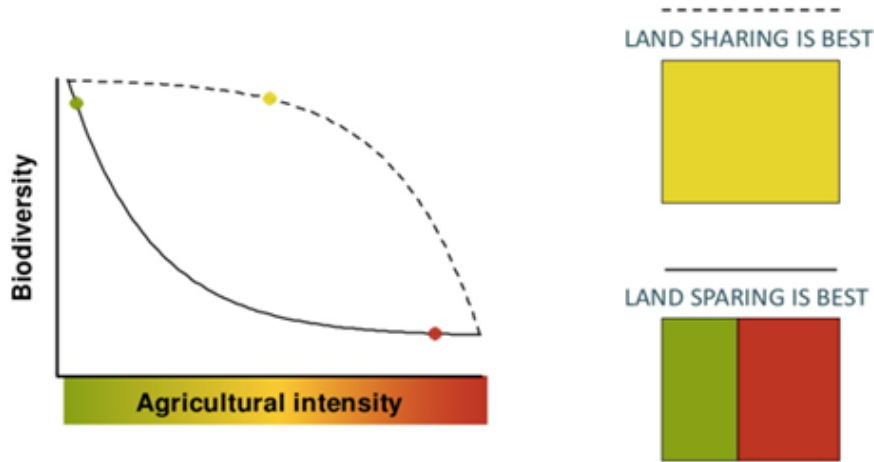


## I. Results : Models as instruments of knowledge (intra-disciplinary critique)

Deforestation scenarios for the Amazon are **RIGHT**, when proven **WRONG**



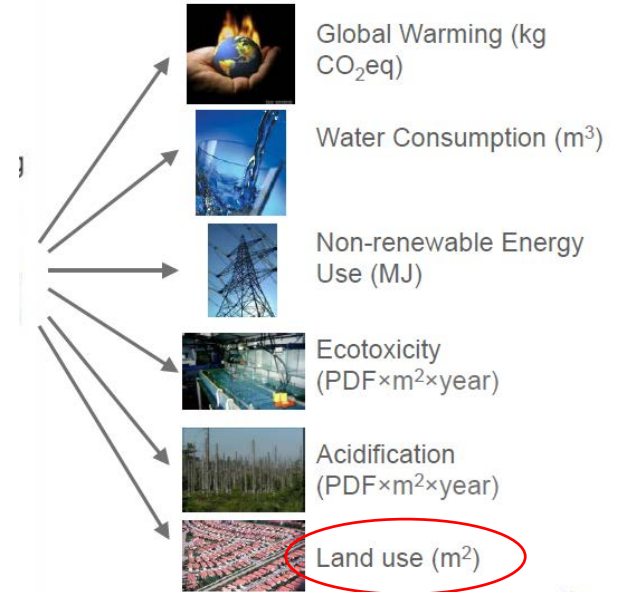
# I. Results : Models as instruments of public action (inter-disciplinary critique)



Source: Green et al., 2005

Cites:  
'area saved by yield increase' (Borlaug, 1985: 392)  
'sparing land for nature' (Waggoner, 1994)

Different aspects of the environment are taken into account



# I. Future Directions



À l'initiative de l'École-chercheurs



## 10 YFP SFS Core Initiative on Biodiversity

- What Success Looks Like: We want to
  - demonstrate feasibility to take biodiversity into account
  - simplify & operationalize biodiversity assessments for business & policy making
  - identify gaps / open questions / issues to further work
- Multi stakeholder initiative with very broad participation
- Three workstreams on which we focus
  - Methods and data for biodiversity assessments
  - Monetization & natural capital
  - Guidance and standards used for biodiversity communication



2018 Summer Institute on Critical Studies of Environmental Governance

Call for Applications

Applications are currently being accepted for the Summer Institute on Critical Studies of Environmental Governance - Metrics of sustainability: Critical studies of sites, practices, and performances of accountability in environmental governance to be held at the University of Toronto July 12-16, 2018.

We welcome applications from advanced doctoral students (i.e., advanced to candidacy, completed data collection, and actively writing) and junior scholars who received a Ph.D. after May 2015, working in the social sciences, law, humanities, and other relevant disciplines. The Institute will reimburse travel expenses up to \$1200 (USD) and cover food and lodging for successful applicants.

Deadline: Midnight (EST) on January 31, 2018.

Click Here for Application

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INTERNATIONAL WORKSHOP  
ON INRA'S METAPROGRAMS

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