



CBD COP 12

Oct 16th, 2014

EU's B4Life Flagship Initiative

The Hidden Costs and Benefits of Eco-Agri-Food Systems

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Food for Thought: What we fail to do ...

- Use Nature-based Solutions
 - Consult 3.8 billion years of expertise and survival genius about our biggest survival challenges ..
 - Graduate from only using nature's *goods* (resources) to valuing & using nature's *services* (ESS) to using nature's "*IP*" (Biomimicry) ..
- Target sustainability
 - "*Sustainability is a design challenge: living in a way that creates conditions conducive to life*" (*Janine Benyus*)
 - "growing *fertility* the way ecosystems do by growing the *capacity* for life...our farming has done the opposite" (*Janine Benyus*)
- Understand the Significance of Smallholder Farms ...
- Understand the vast Externalities of Eco-Agri-Food Systems ...

The Significance of Smallholder Farms ...

- Approximately 2.6 billion people rely on agricultural production systems for their livelihood (FAO, 2009)
- Of 525 million farms world wide, 404 million are less than two hectares (Nagayets, 2005)
- Small farms cultivate 60 % of arable land (Herren et al. 2010)

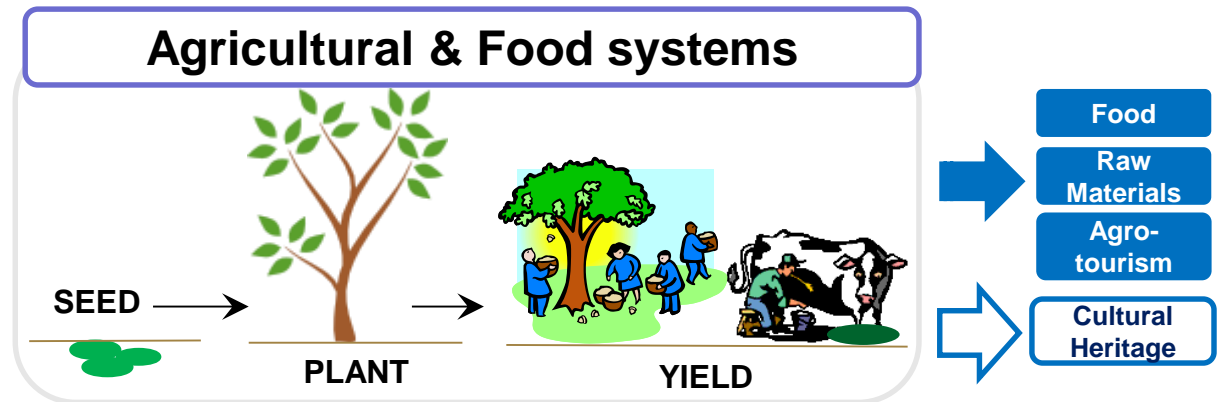


- 10 % increase in farm yields => 7 % reduction in poverty in Africa & => 5 % poverty reduction in Asia (UNEP, 2011)
- Across a very large sample, 'green' farming practices have increased yields an average 79 % (Pretty et al, 2006)

... for hunger, poverty, employment, ecosystems

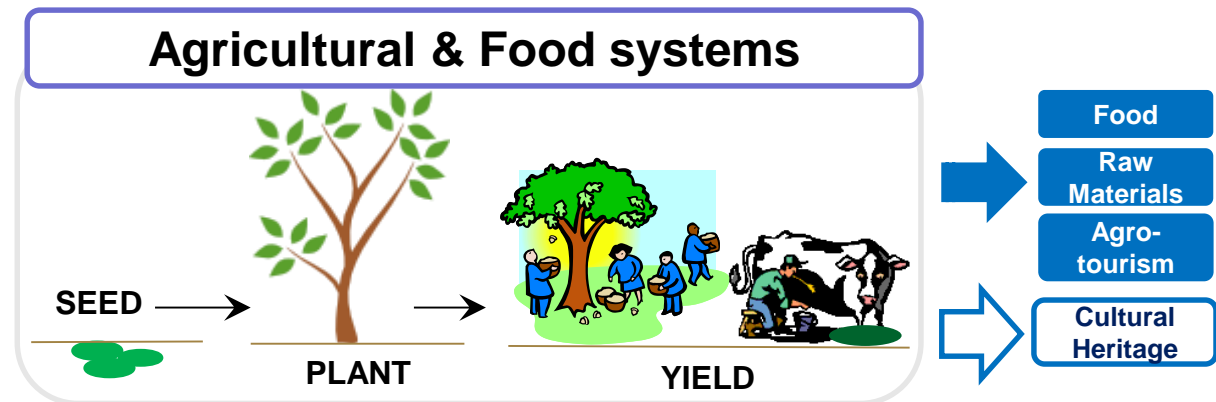


The Common Man's View of Agriculture....



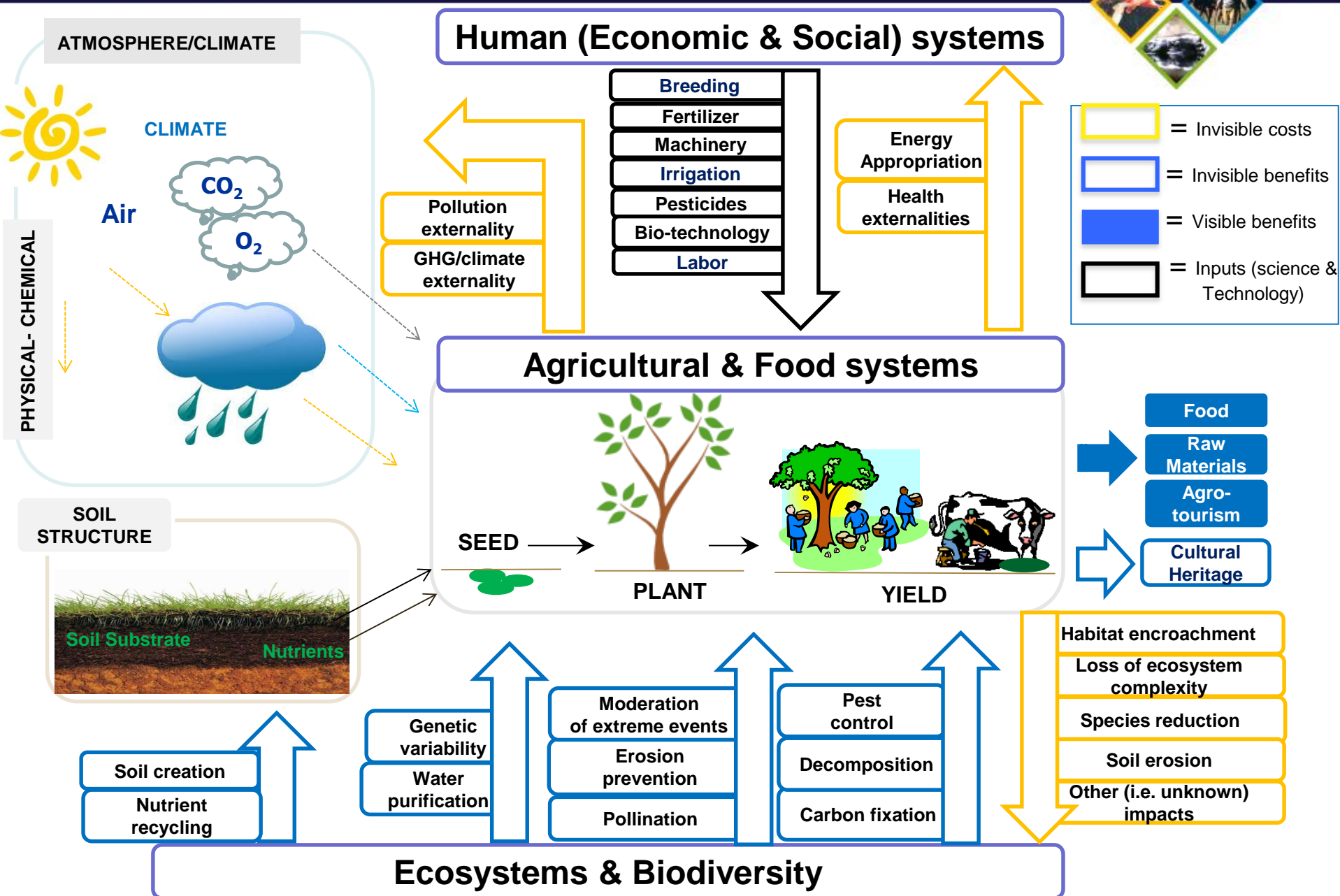


The Common Man's View of Agriculture....



...does not include the following externalities....

The Economics of Ecosystems & Biodiversity





“TEEBAgFood” Project: Proposed Reports

1. Interim Report (mid-2015)
2. Scientific and Economic Foundations (2015-17)
3. Policies, Production and Consumption (2015-17)
4. Synthesis Report (2017)



Replacement Required





Thank You !

www.teebweb.org

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