New FAO updates on GHG emissions from AFOLU

FAO-IPCC-IFAD expert meeting: Emerging activities to combat climate change
Use of FAO data and IPCC GHG inventory guidelines for agriculture and land use
Rome, Nov 13-14 2014

FAO Global GHG Knowledge Generation:

- Based on FAOSTAT Emissions Database
- FAO GHG data -> IPCC AR5
- Use of FAOSTAT Emissions -> WRI, GTAP, EU-28,…
- FAO first to provide 2012 AFOLU emissions data

Global Agriculture Emissions, 2012

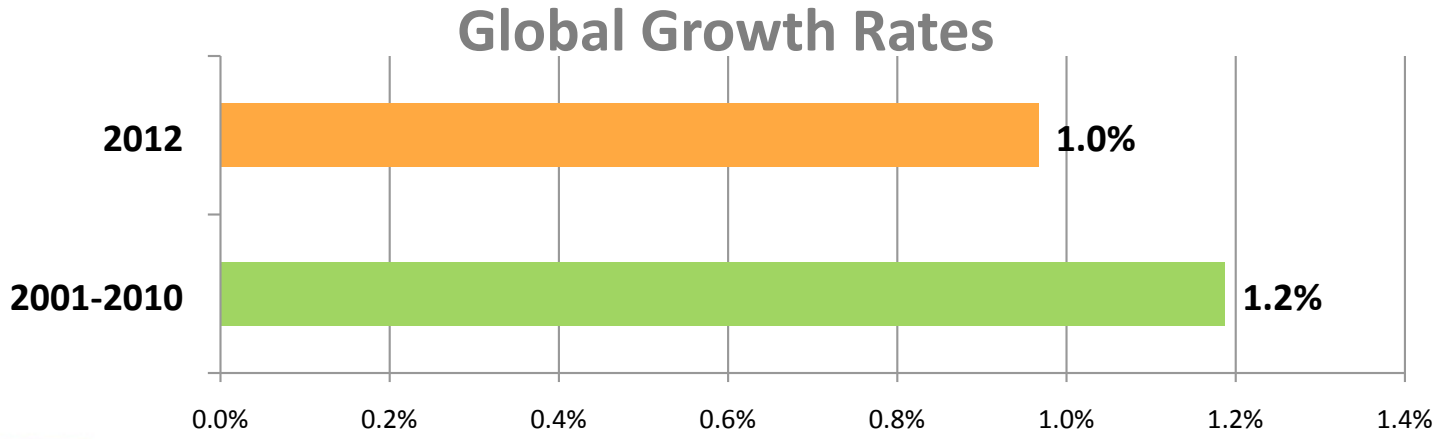
Global emissions from agriculture (crops & livestock) continued to increase by almost 100% in the last 50 years

1961

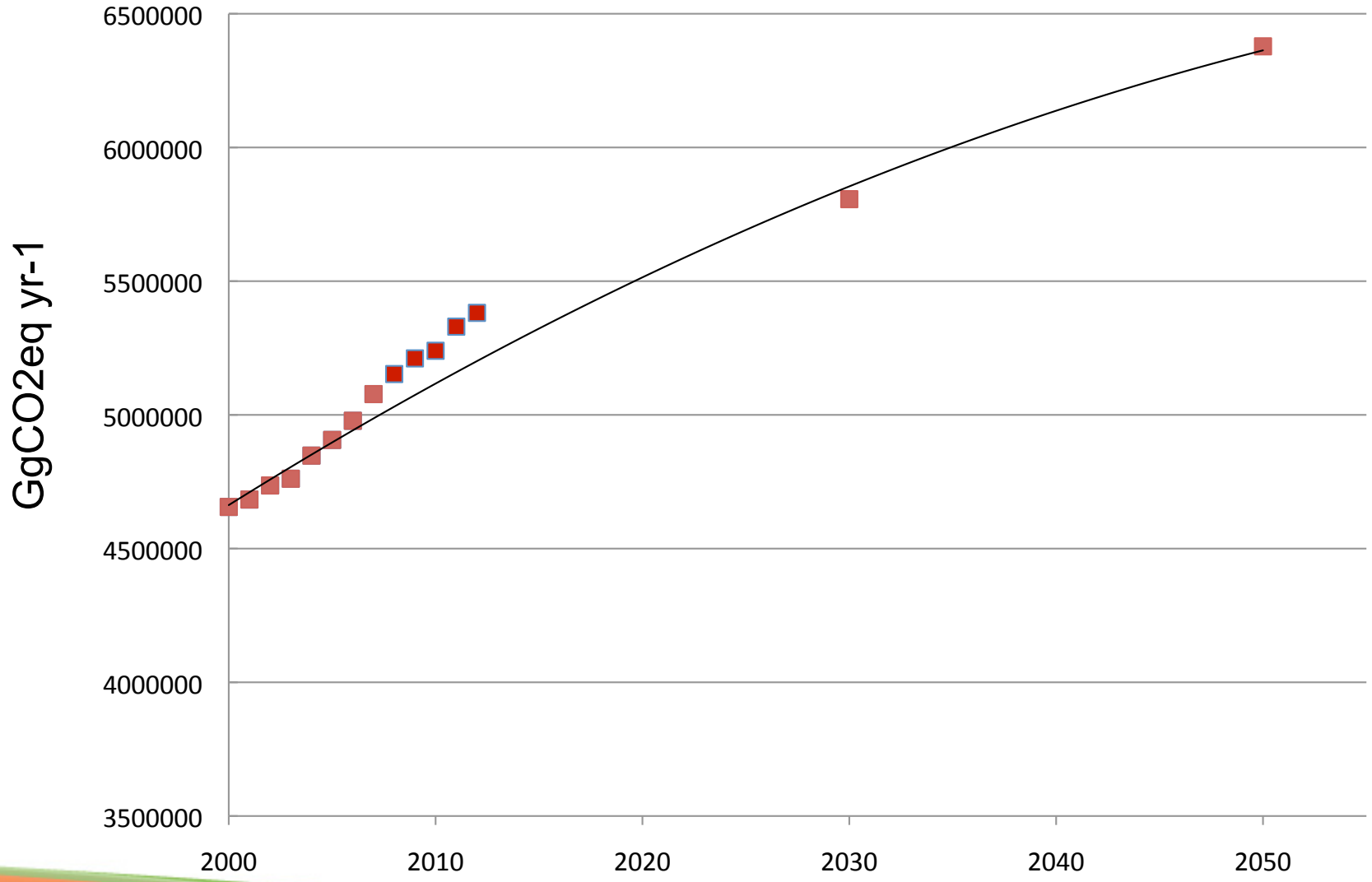
2.7 billion tonnes CO_2 eq

2012

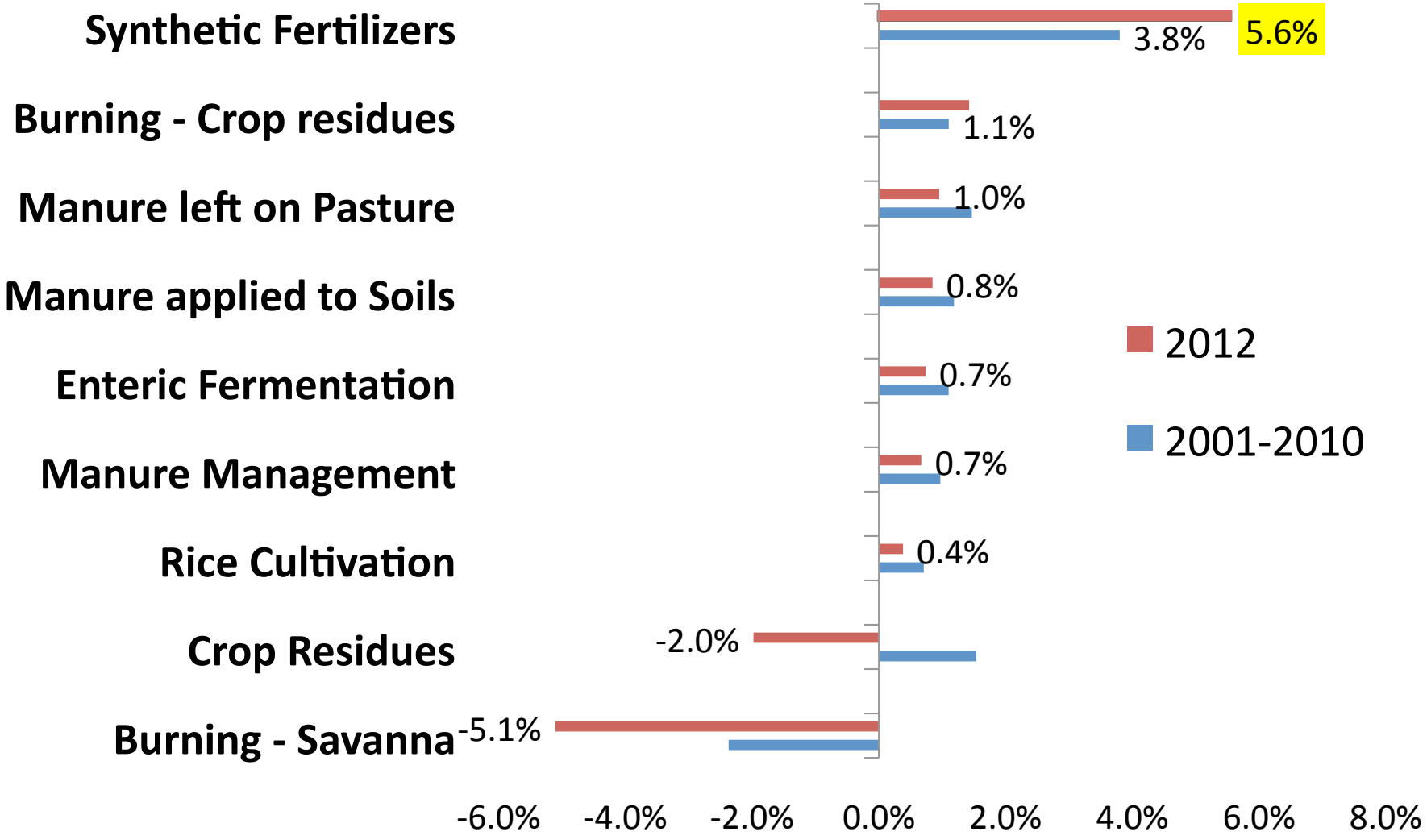
5.4 billion tonnes CO_2 eq



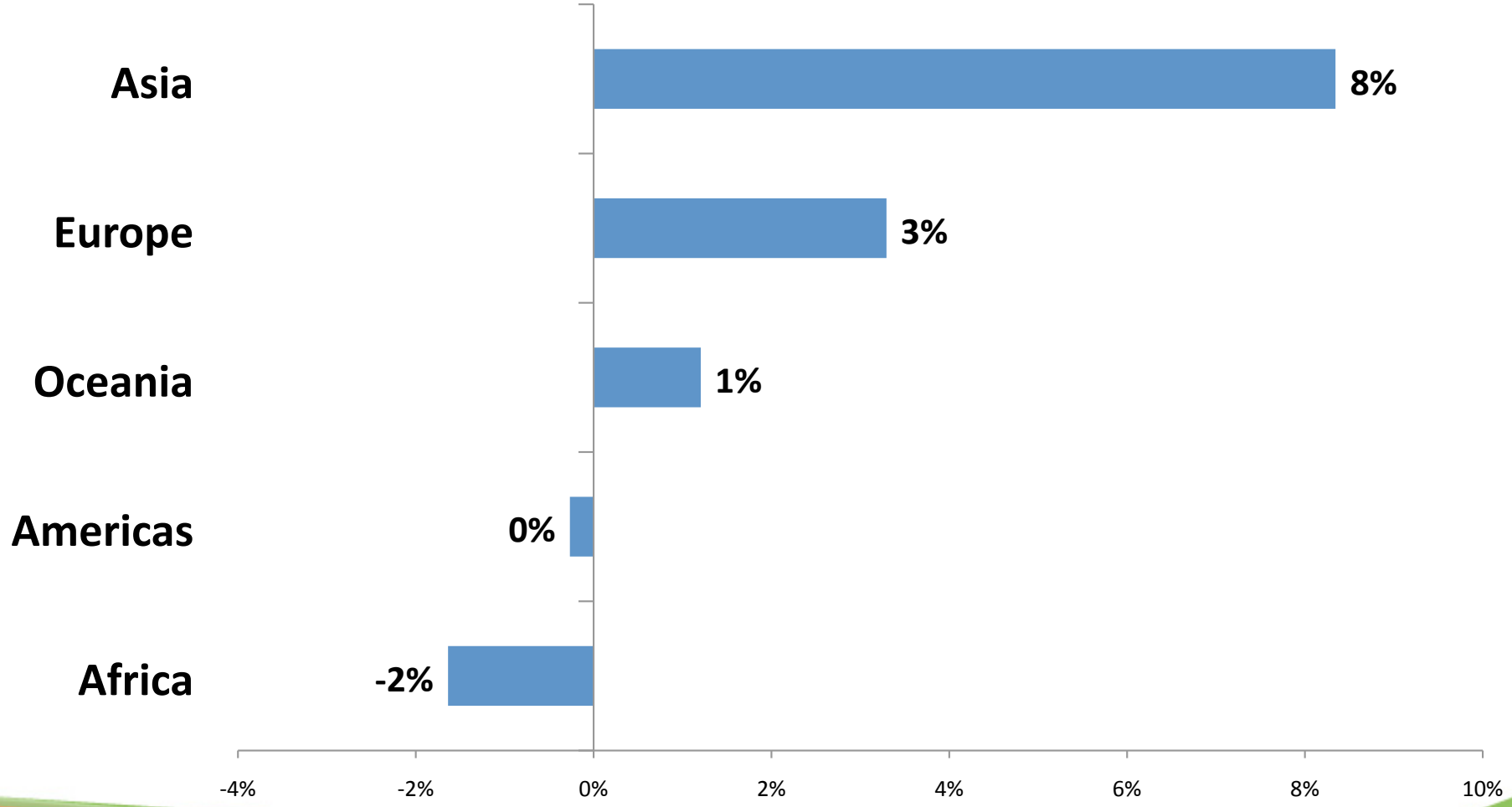
2012 Status Against Baseline Projections



2012 Growth Rates



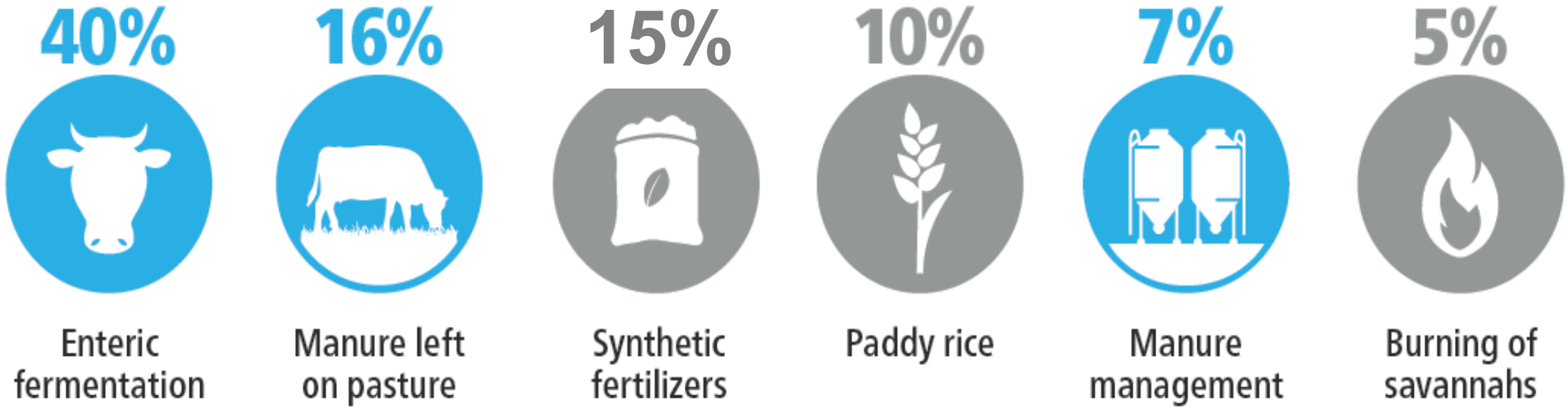
Synth. Fertilizer 2012 Growth Rates by Region



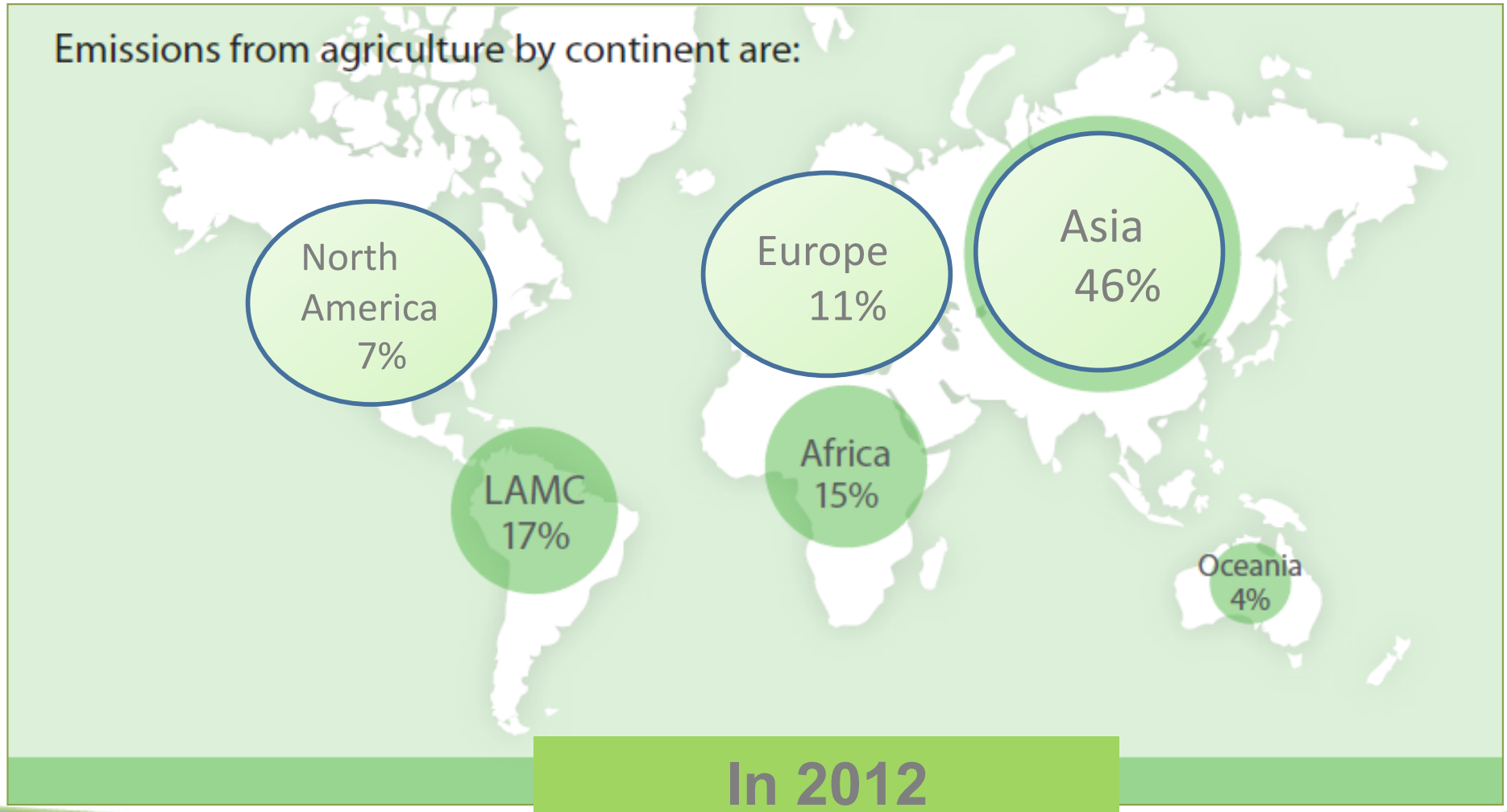
Agriculture Emissions by Sector

The largest emitters in agriculture are:

In 2012:



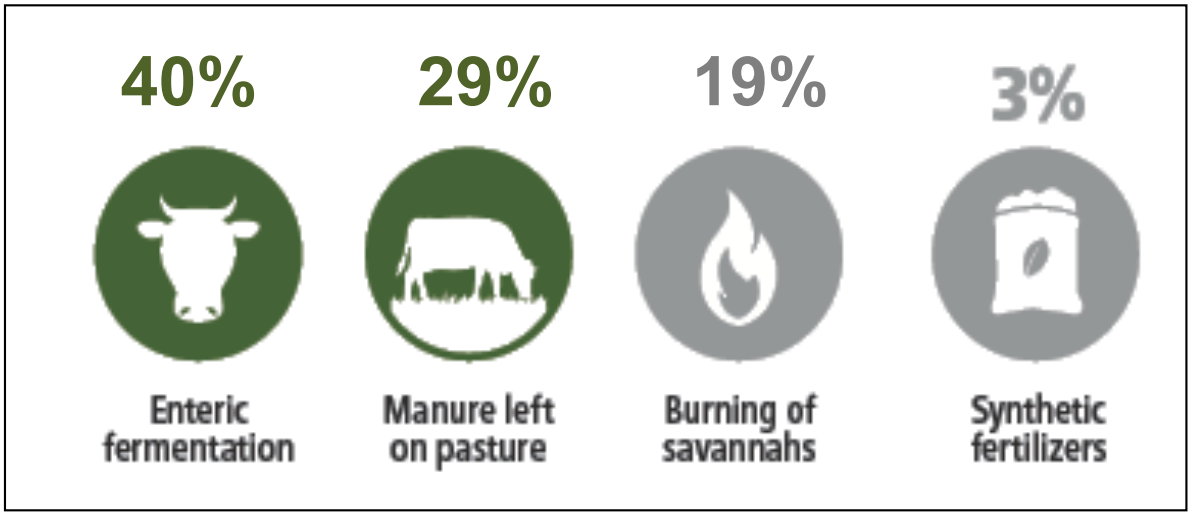
Agriculture Emissions by Continent



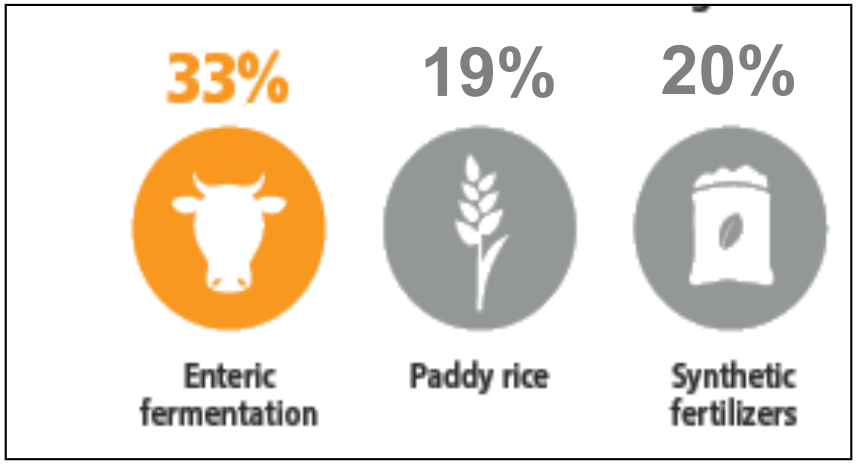
Regional Contributions, 2012

Regional and Sectoral overview

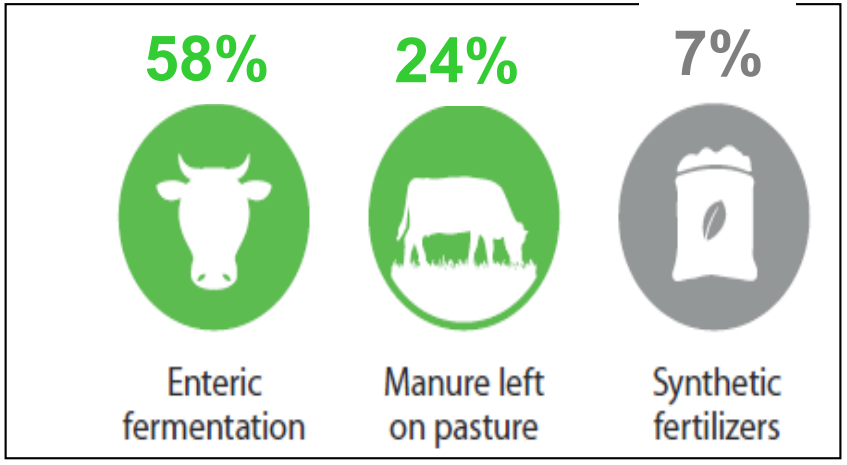
Africa



Asia



Latin America



In 2012

Global Emissions from AFOLU Sources and Sinks

Global emissions by sources from agriculture, forestry and other land uses were nearly

10 billion tonnes CO_2 eq

Global removals by sinks from agriculture, forestry and other land uses were nearly

2 billion tonnes CO_2 eq

Sources and sinks in the agriculture, forestry and other land use sectors include:

crops & livestock (+5.0)

net forest conversion (+3.7)

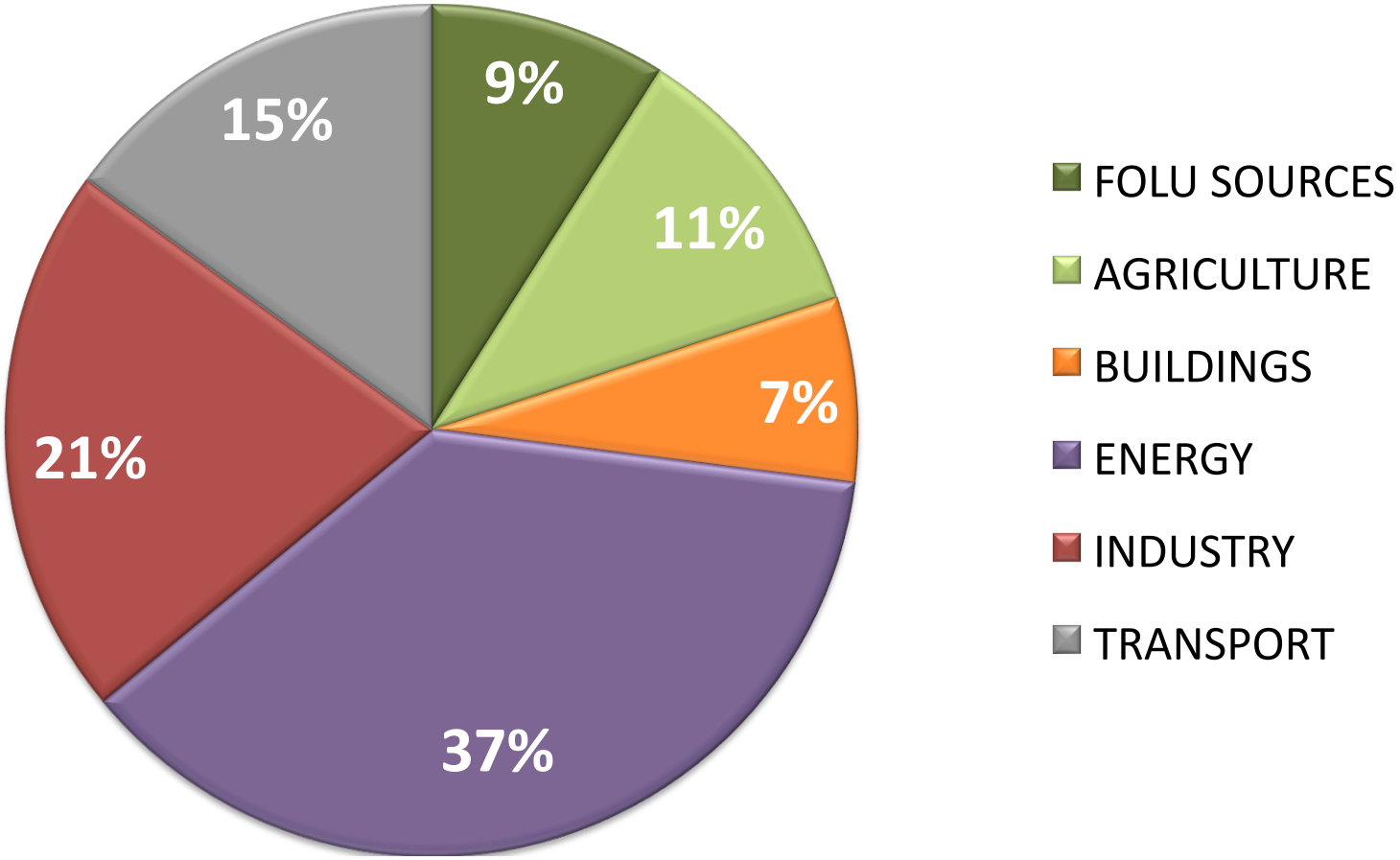
forest (-1.9)

biomass fires (+0.3)

degraded peatlands (+0.8)

Figures are averages for the period 2001-2010, expressed in billion tonnes CO_2 eq

AFOLU % of Total Anthropogenic Emissions



IPCC AR5 WGIII Data Sources:
EDGAR and FAOSTAT Emissions Database

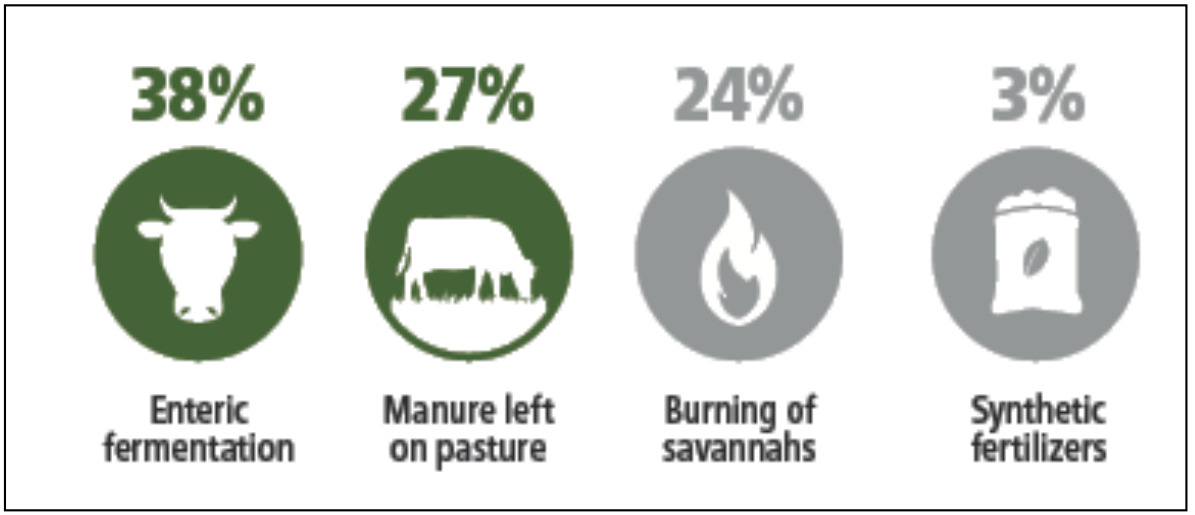
Thank you!

http://faostat3.fao.org/download/G1/*/E

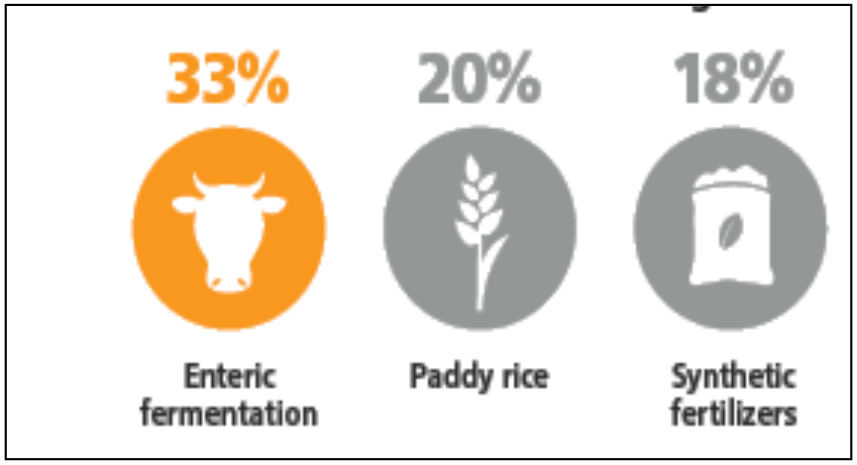
http://faostat3.fao.org/download/G2/*/E

Regional overview

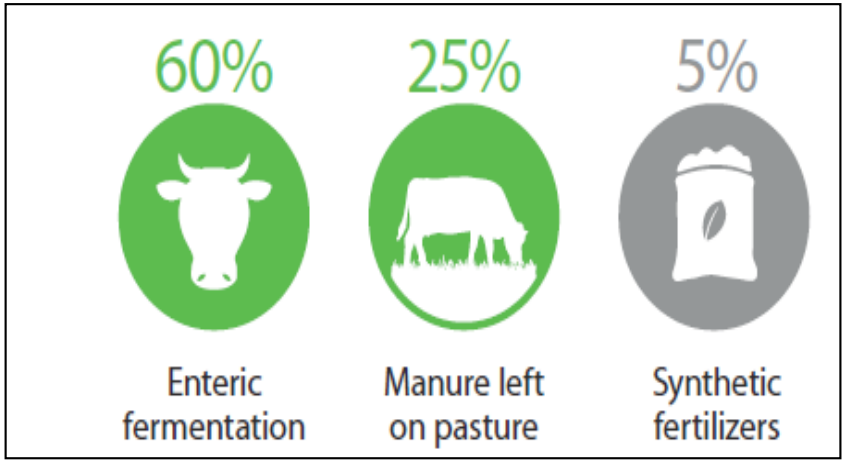
Africa



Asia



Latin America



Average 2001-2010

2012 Growth Rates by Category