



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE DEVELOPMENT GOALS

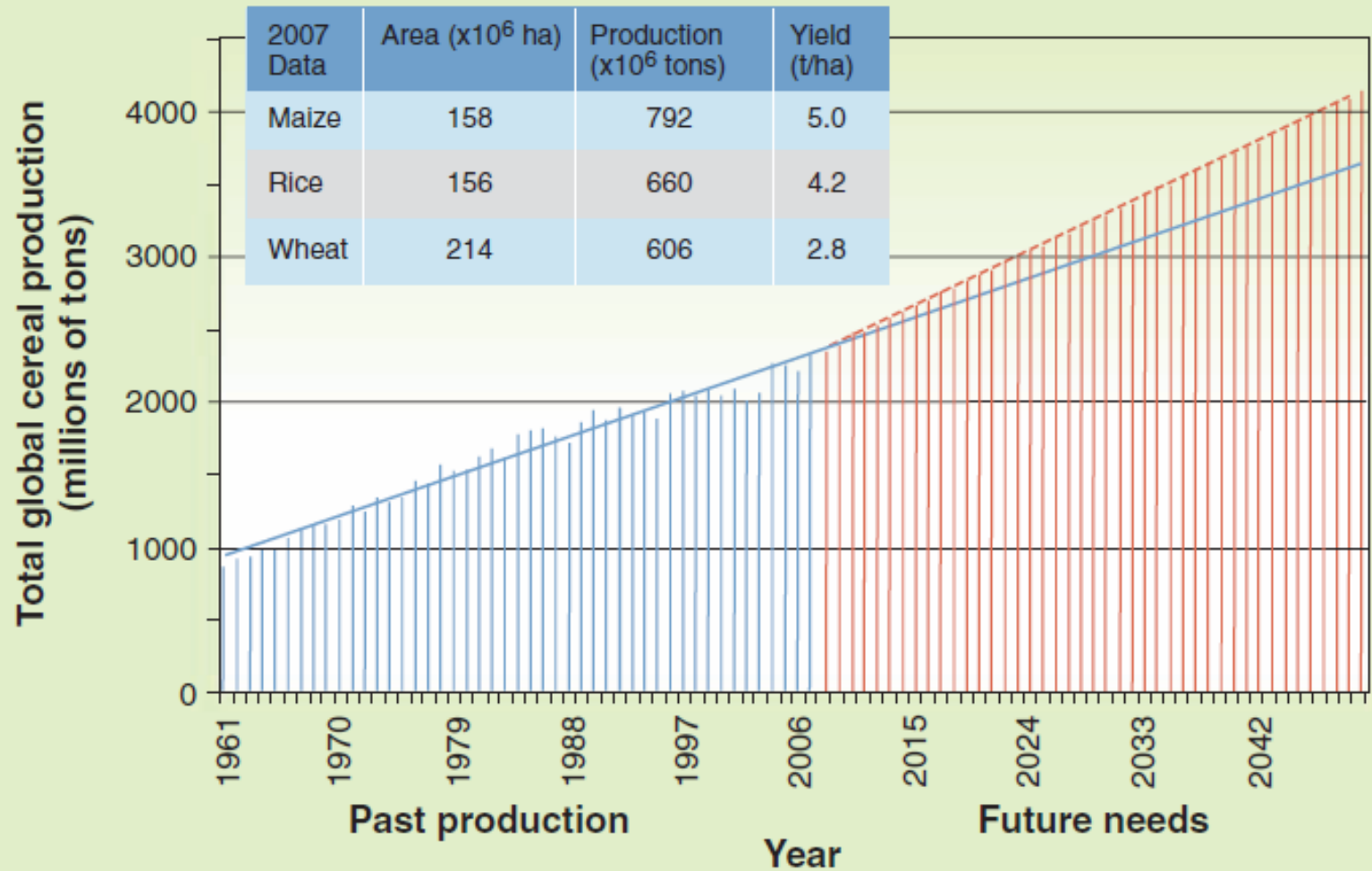
Points of Discussions

- How GEOSS can/should contribute to SDGs
- To consider what we can do particularly under WG5/Agriculture & Food Security
 - To understand current and future perspectives of food production and consumption
 - To map current activities onto action items for SDGs
 - To prioritize current activities for SDGs
 - To discuss how agriculture related observations and data are important for SDGs
 - Etc.



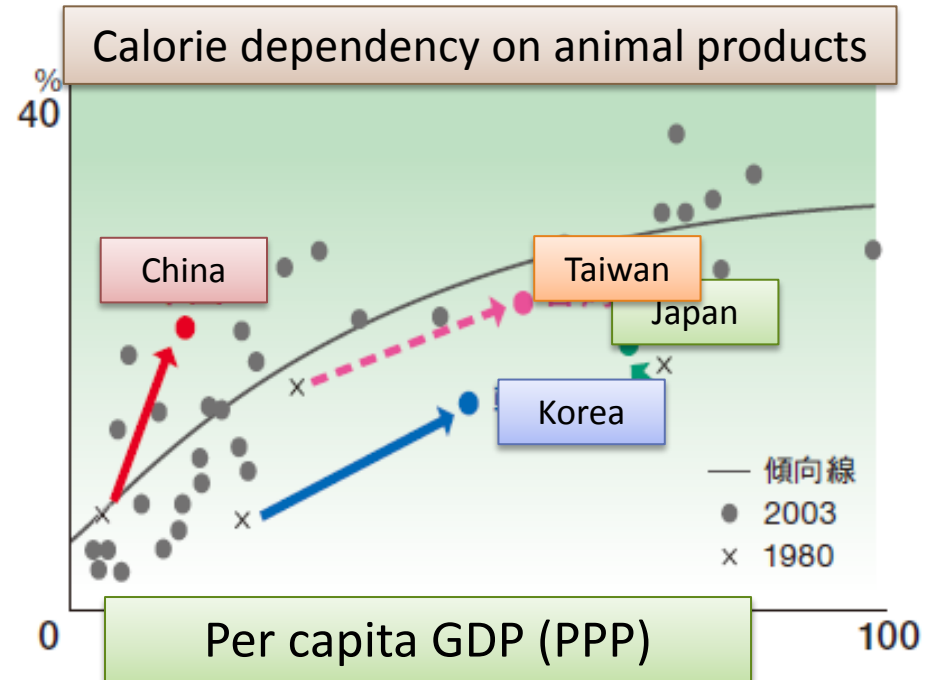
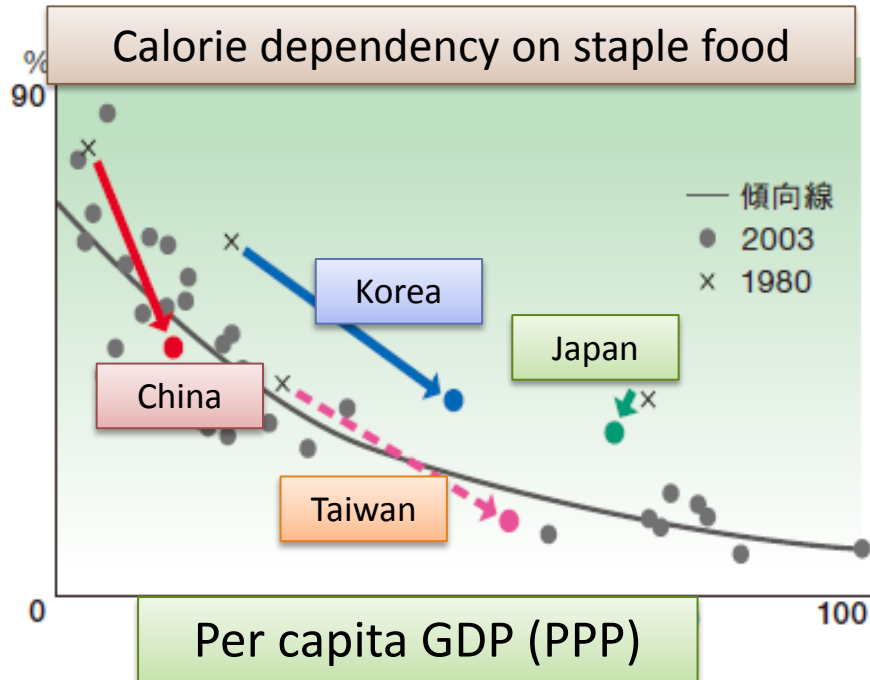
サーモンとほうれん草のキッシュ

Food demand increases

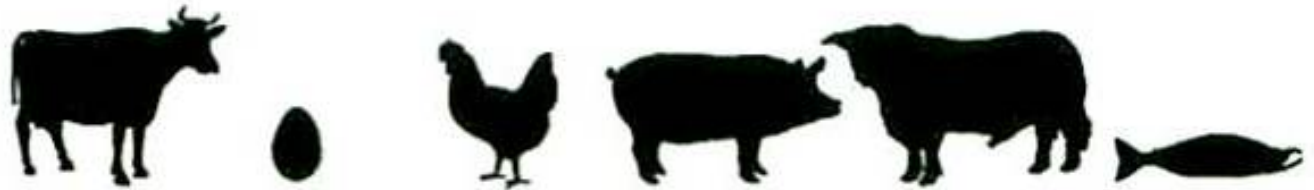


Diet transition happens with economic growth

Production efficiency of animal product is much lower than staple food



Very inefficient meat production



Milk

Egg

Chicken

Pork

Beef

Fish

Grain needed to
produce 1kg of
product (kg)

1.1

2.8

4.5

7.3

20.0

1.4

Nitrogen uptake (%)

30

30

20

10

5

40

Water consumption for food production

- Water needed to produce 1 kg of agricultural product

Products	Water (t)	Products	Water (t)
Rice	3.6	Beef	20.6
Barley	2.6	Pork	5.9
Wheat	2.0	Chicken	4.5
Corn	1.9	Egg	3.2
Soybean	2.5		

Okamoto 2003より

Toward sustainable and sufficient rich food production

