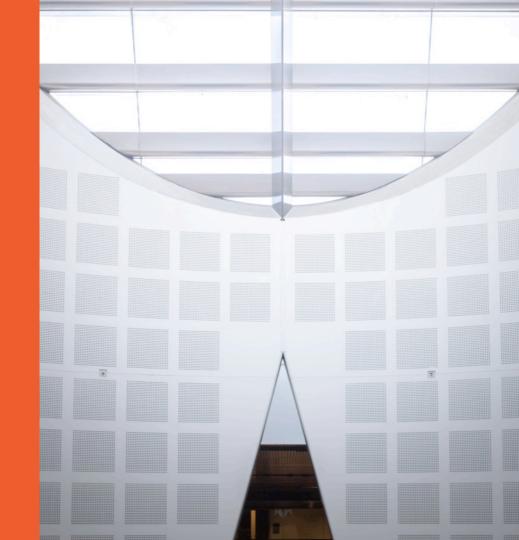
## Development Agriculture

- 1. Introduction (David Guest)
- 2. Coffee value chains (Mark Vicol)
- 3. Food and nutrition (Julia de Bruyn)
- 4. Integration into teaching (Damien Field)
- 5. Discussion



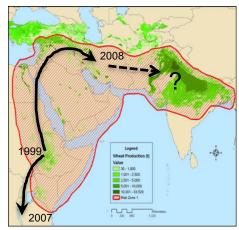


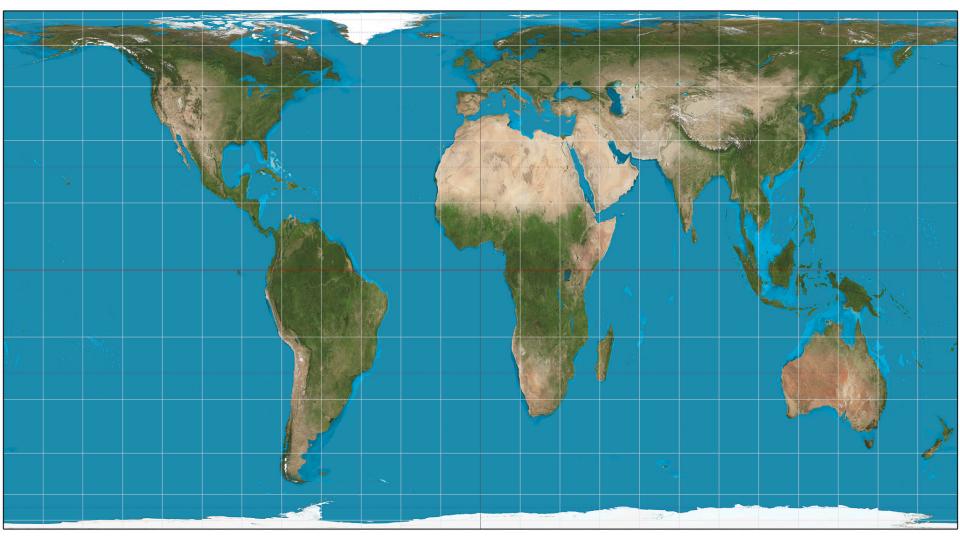
## Why development agriculture?

- Pestilence and famine
- The Green Revolution
- The double burden of malnutrition
  - Nutrition sensitive agriculture
  - Planetary health
- Agriculture and economic development
- Trade and food safety
- New technologies



THE FAMINE IN IRELAND.- FUNERAL AT SKIBEREEN-FROM A SKETCH BY MR. H. SMITH, CORK.



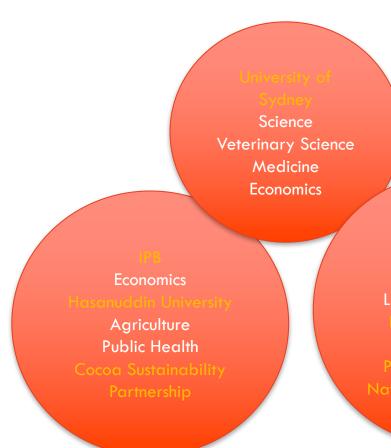


## Cocoa and chocolate

- Smallholder farmers produce cocoa beans for chocolate
- Average income  $\sim$  \$2/day
- Improved livelihoods requires interdisciplinary approach:
  - Intensification of production
  - Diversification of incomes
  - Improved farmer health and nutrition
  - Improved market access







Bougainville Government Agriculture Health Local Government PNG Cocoa and Coconut Institute PNG University of atural Resources and Environment