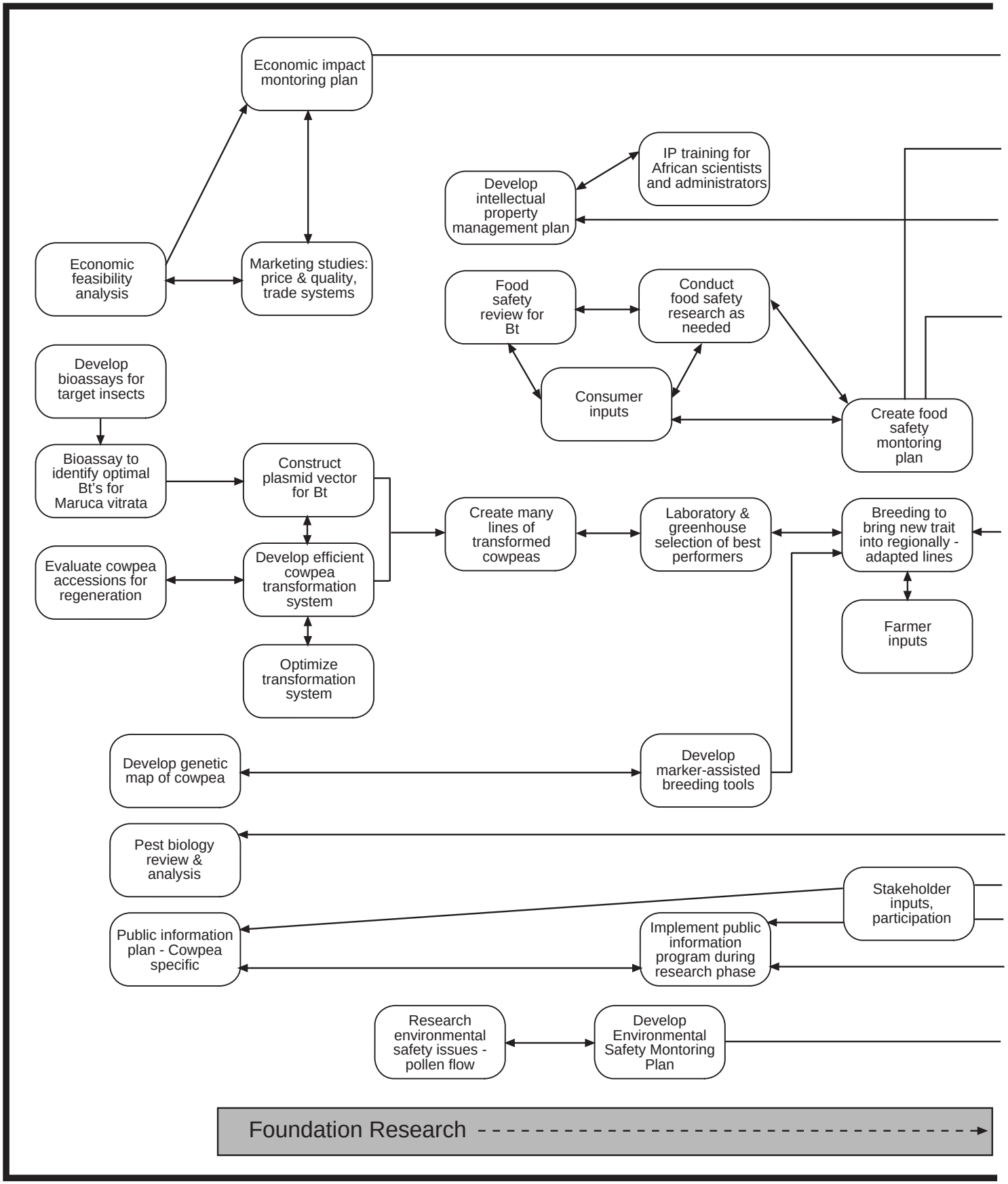
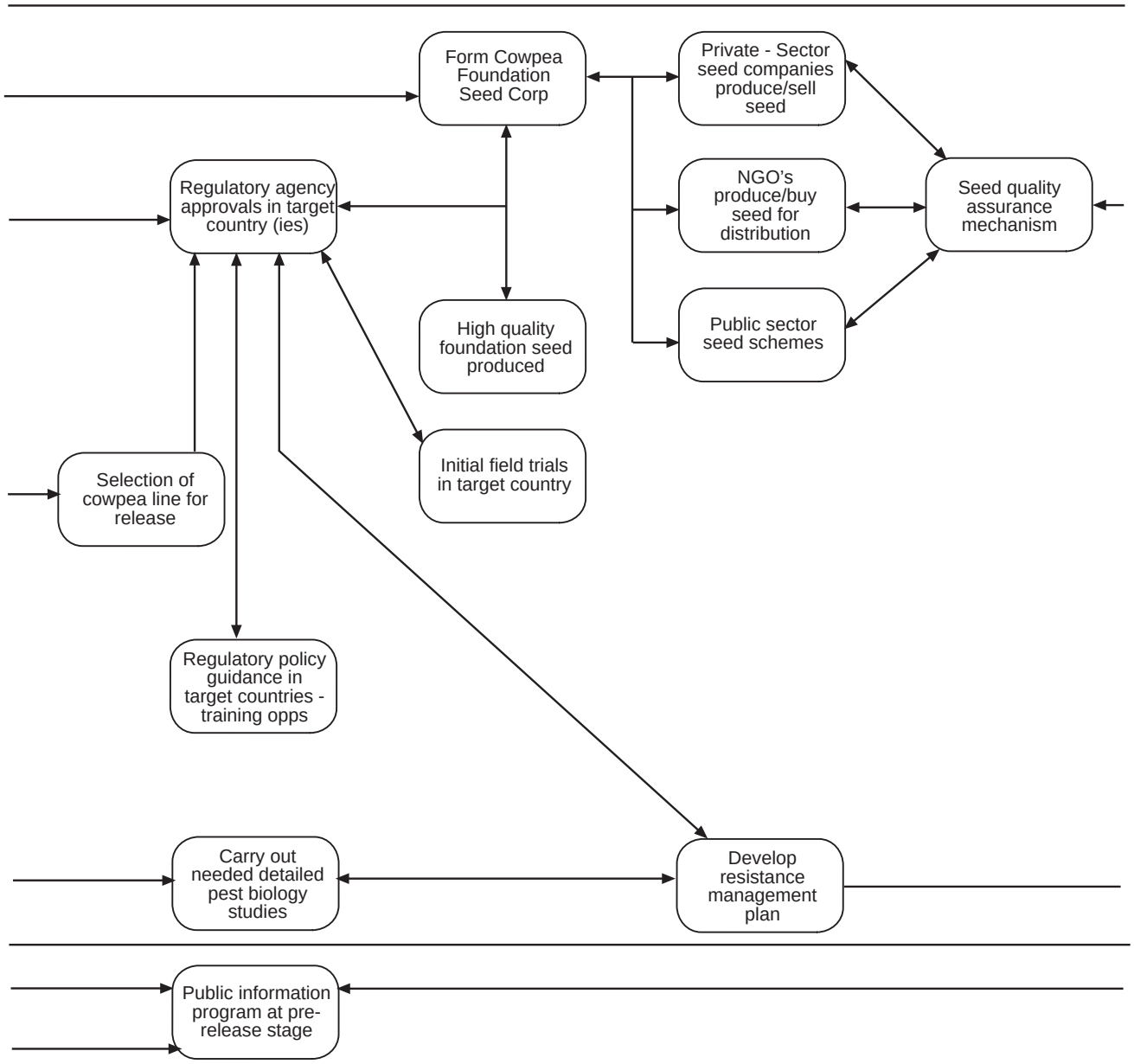
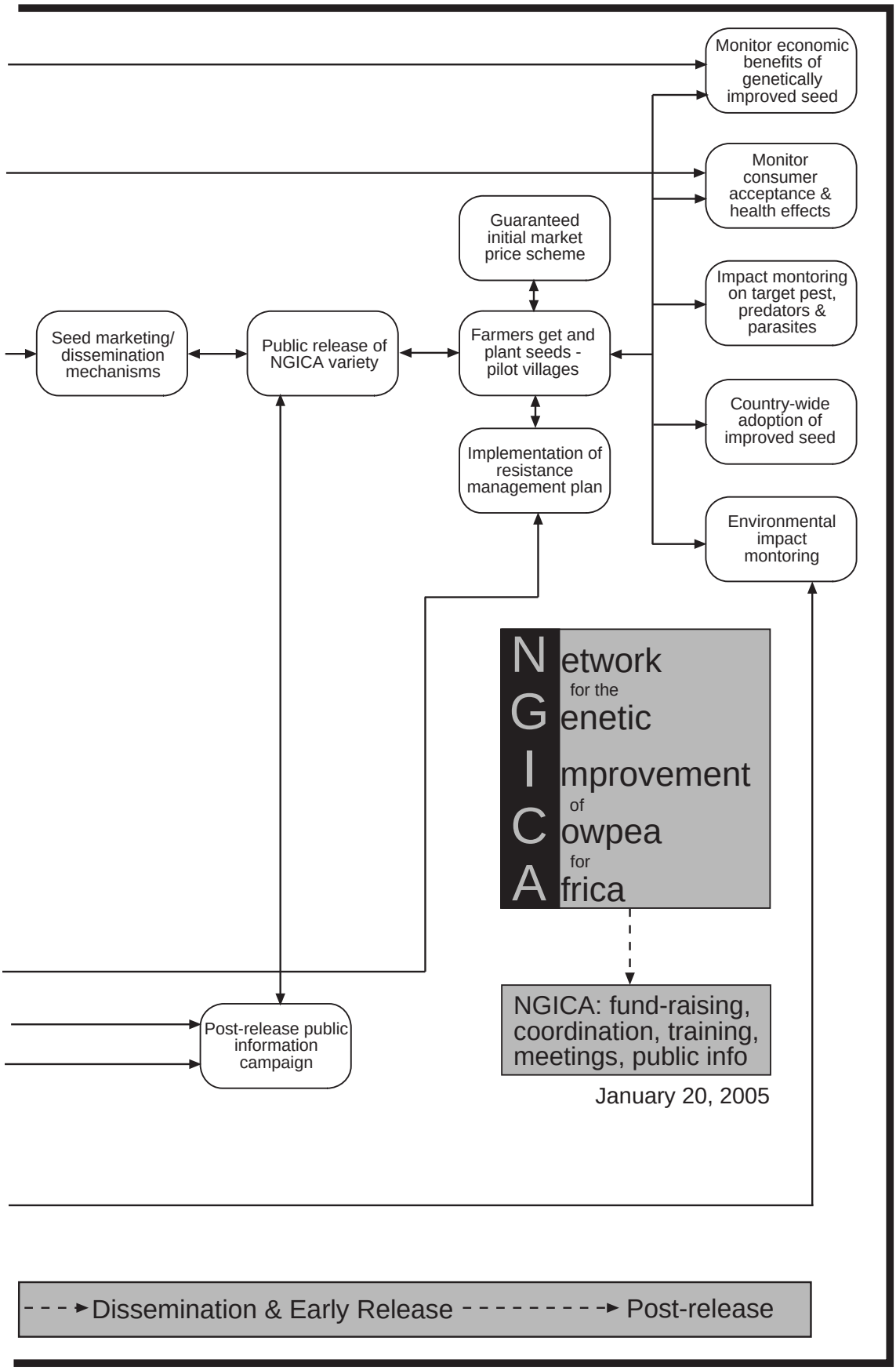

Economic impact montoring plan
IP training for African scientists and administrators
Develop intellectual property management plan
Economic feasibility analysis
Marketing studies: price & quality, trade systems
Food safety review for Bt
Conduct food safety research as needed
Develop bioassays for target insects
Consumer inputs
Create food safety montoring plan
Bioassay to identify optimal Bt's for Maruca vitrata
Construct plasmid vector for Bt
Create many lines of transformed cowpeas
Laboratory & greenhouse selection of best performers
Breeding to bring new trait into regionally - adapted lines
Evaluate cowpea accessions for regeneration
Develop efficient cowpea transformation system
Farmer inputs
Optimize transformation system
Develop genetic map of cowpea
Develop marker-assisted breeding tools
Pest biology review & analysis
Stakeholder inputs, participation
Public information plan - Cowpea specific
Implement public information program during research phase
Research environmental safety issues - pollen flow
Develop Environmental Safety Montoring Plan
Foundation Research



Regulation ----------► Development & Pre-deployment ------


Monitor economic benefits of genetically improved seed
Monitor consumer acceptance & health effects
Guaranteed initial market price scheme
Impact montoring on target pest, predators & parasites
Seed marketing/ dissemination mechanisms
Public release of NGICA variety
Farmers get and plant seeds - pilot villages
Country-wide adoption of improved seed
Implementation of resistance management plan
Environmental impact montoring
Network for the Genetic Improvement of Cowpea for Africa
NGICA: fund-raising, coordination, training, meetings, public info
Post-release public information campaign
January 20, 2005
Dissemination & Early Release
Post-release