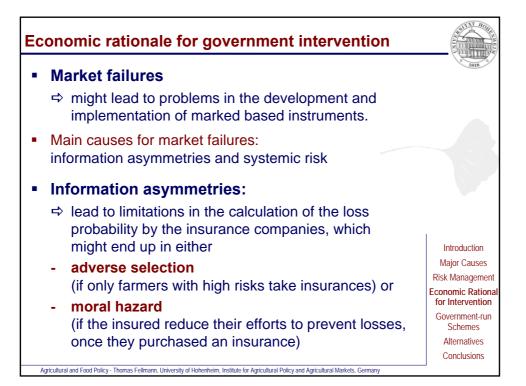
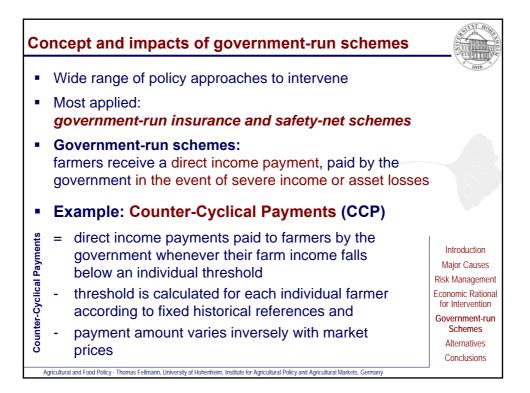


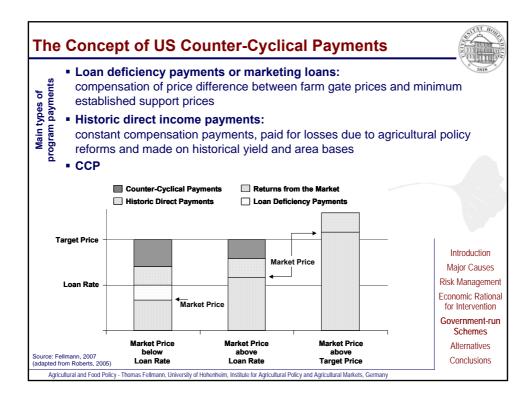


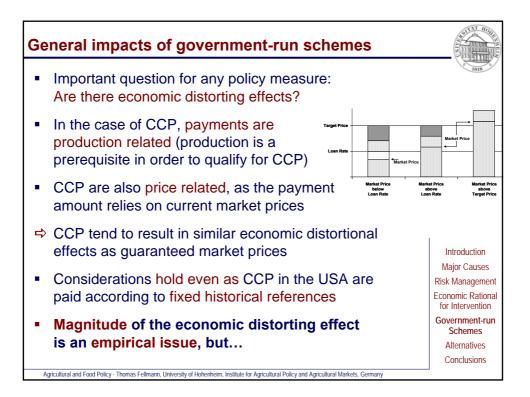
 Two approaches for farmers to influence the risk that is associated with their operations (contd.): Marked based (risk sharing) instruments insurance contracts (if risk pooling is possible) (e.g. insurance against hail) production and marketing contracts (e.g. forward contracting of inputs and outputs, hedging with futures and options, weather derivates) 	2 1 <u>81</u> 15
 insurance contracts (if risk pooling is possible) (e.g. insurance against hail) production and marketing contracts (e.g. forward contracting of inputs and outputs, hedging with 	
 (e.g. insurance against hail) production and marketing contracts (e.g. forward contracting of inputs and outputs, hedging with 	
(e.g. forward contracting of inputs and outputs, hedging with	
Risk sharing instruments presuppose the existence of market partners	Introduction Major Causes Risk Management
 farmers have a wide range of possibilities to influence or cope with the risk associated with their operations But 	Economic Rational for Intervention Government-run Schemes Alternatives

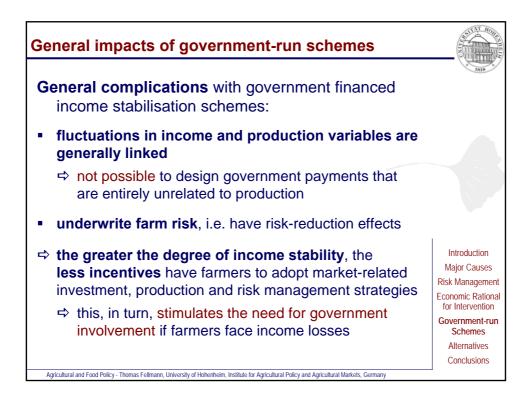


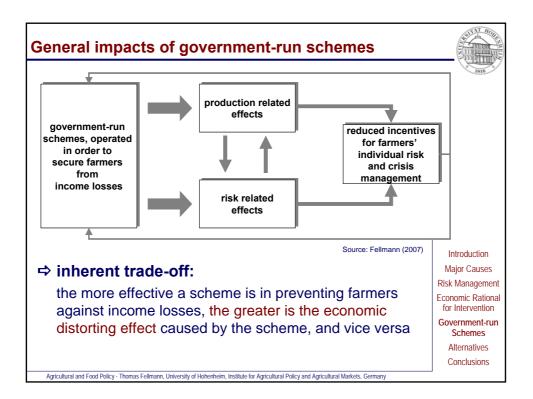
Economic rationale for government intervention	
Market failures (contd.)	a 1818 n
 Systemic risk: 	
 if many farmers are affected by a risk or crisis at the same point of time or 	
- if there is a high correlation between the risks	
might lead to prohibitive high costs for insurance companies	
 If there are market failures in risk markets an unstable farm income can lead to liquidity problems 	Introduction Major Causes
liquidity problems can lead to inefficient allocation	Risk Management
of resources and general sectoral misallocations	Economic Rational for Intervention
might be linked to high economic costs for society	Government-run Schemes
${m \circ}$ government intervention can be justified	Alternatives
Agricultural and Food Policy - Thomas Fellmann, University of Hohenheim, Institute for Agricultural Policy and Agricultural Markets, Germany	Conclusions

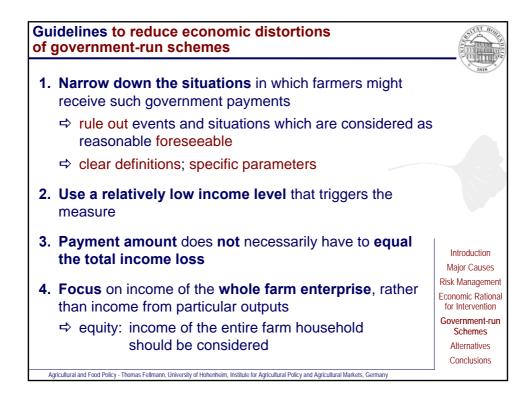








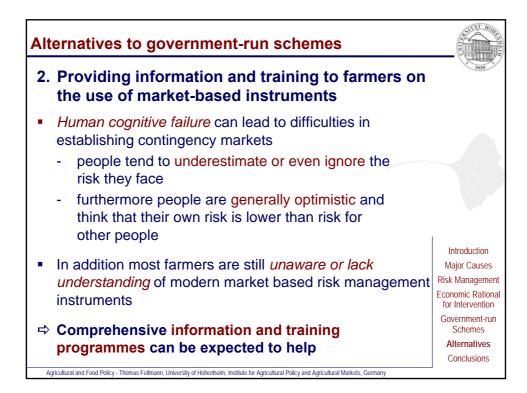


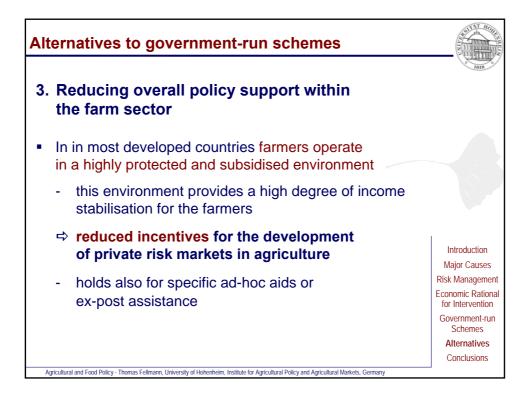


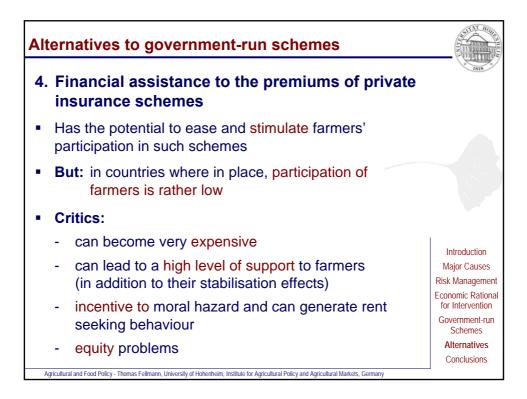






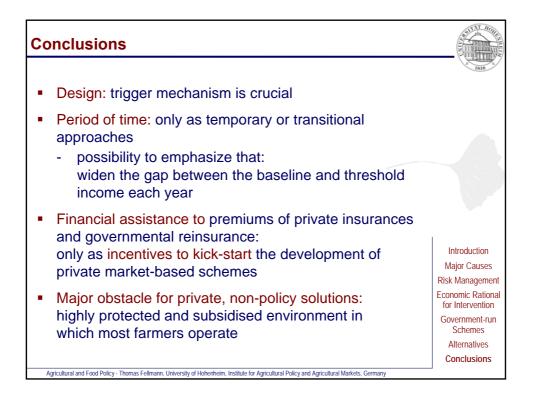








Conclusions	
 Agricultural income is subject to fluctuations, caused by different effects 	
 Approaches for farmers' risk management: on-farm risk management strategies and the use of marked based (risk sharing) instruments 	
 Government involvement can be justified because of market failures 	
 But: specific government-run insurance and safety-net schemes are flawed 	Introduction Major Causes
 Crucial elements to keep economic distortions as low as possible: design and the period of time over which they might be suitable 	Risk Management Economic Rational for Intervention Government-run Schemes
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Conclusions	
 Most efficient way to use public assistance: directly address information asymmetries and systemic risk 	
 Primary role of government involvement: provide an appropriate institutional and legal framework 	
 Subsidies to the research and development of better information technologies can be efficient 	
 Governments could provide or subsidise the composition of income and yield databases at a detailed (farm) level 	Introduction Major Causes
 Education and training is an obvious field for the public sector to help develop private risk sharing markets 	Risk Management Economic Rational for Intervention Government-run Schemes
Agricultural and Food Policy - Thomas Fellmann, University of Hohenheim, Institute for Agricultural Policy and Agricultural Markets, Germany	Alternatives Conclusions

