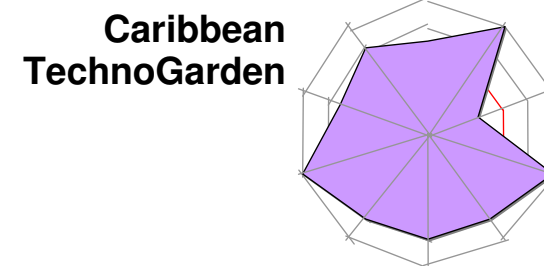
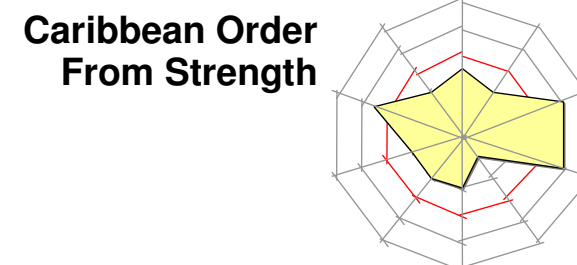
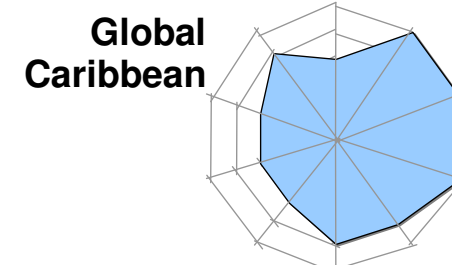
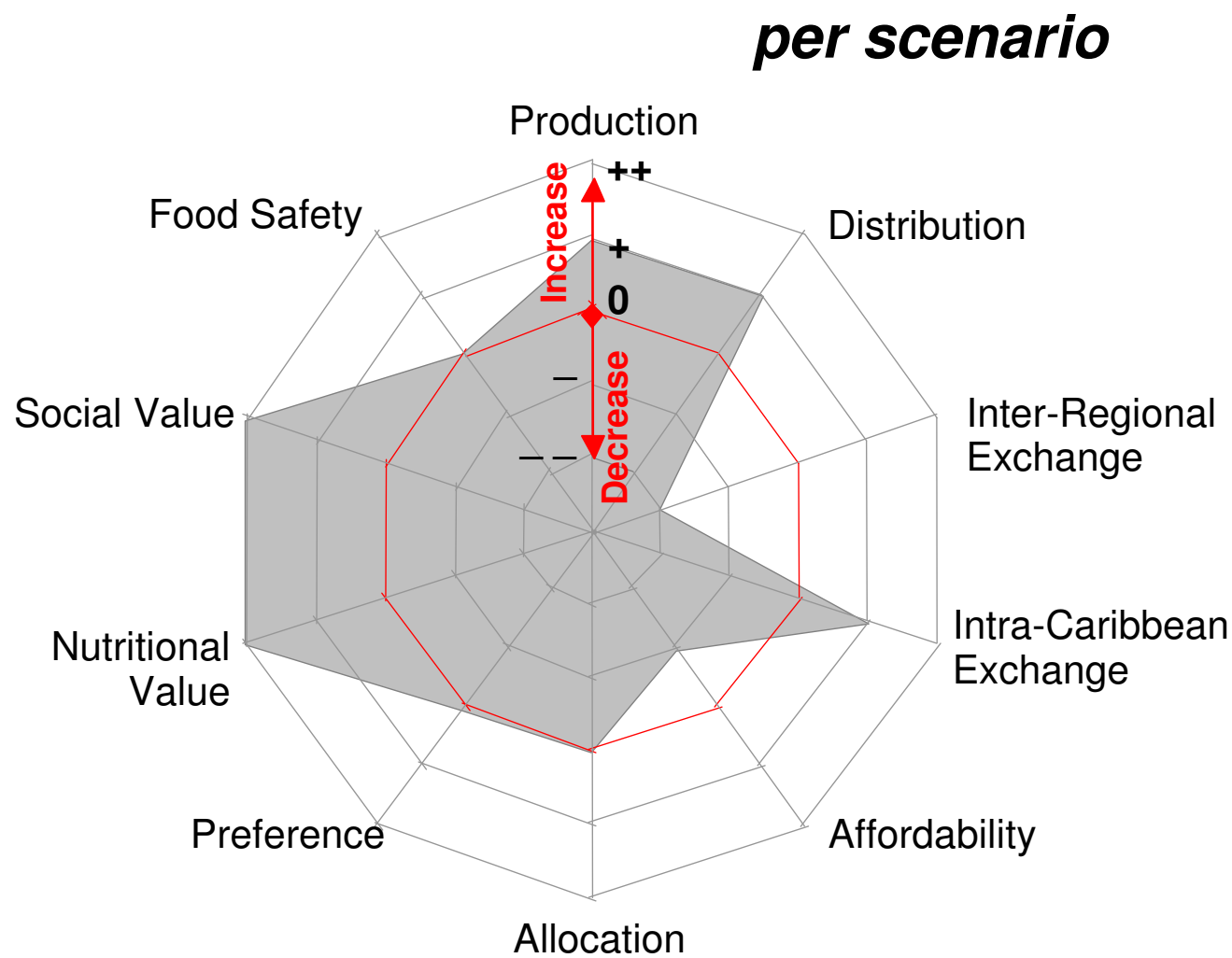


Food security is vulnerable to climate change in multiple ways (ERICKSEN)

(source: unpublished data from GECAFS IGP project)

Food Security determinant	GEC Stress to which determinant is increasingly exposed	Sensitivity to stress	Current coping Capacity	Overall vulnerability
Nutritional value [Utilisation] Main protein (pulses) in Terai	Variable onset of monsoon	Protein content depends on cultivar & planting date	No improved cultivars or forecasts -- LOW	High <i>Due to weak ag and met extension services</i>
Affordability [Access] Household incomes in Bihar	Insufficient rainfall	Agricultural income depends on yields and adequate market	Migrate to find off-farm income– BUT OPTIONS LIMITED– MODERATE	Moderate <i>Due to social constraints on migration</i>
Production [Availability] Irrigation potential in Punjab	Reduced river flow due to changed glacier melt	Production depends on timely irrigation	declining water table & no water pricing options -- LOW	High <i>Due to declining water table & flawed institutional arrangements</i>

Scenarios as an adaptation tool



(ERICKSEN)