Appendix 1

Table A1.1. Suggestions from the brainstorming session of the determinants of adaptive capacity in terms of actors and for the food system as a whole. Determinants are classified based on their predicted central role in strengthening biological and physical resources, social and human capital, or economic resilience.

	Biological and physical resources	Social and human capital	Economic resilience
Primary production (farmers)	Farm size Age of the farmer Amount of land area Soil quality Diversity of crops grown Diversity of crop rotation Diversity of crop cultivars grown Advanced agri-technology Livestock housing at use Quality of production: livestock material, crop yields etc. Water resources available for use Transport and other public infrastructure Self-sufficiency in production inputs Self-sufficiency in energy Own storages for production goods Energy efficiency Efficiency of logistics Exploitation of information and communication technology Closeness to markets Direct sales from farm Diversity in purchasing production inputs Diversity in marketing channels	Level of education and knowledge Expertise in the main production line Knowledge on continuing of a family farm by the next generation Communication with cofarmers Farmer co-operation in using machinery Farmer co-operation in manure distribution and producing feed Farmer co-operation in marketing Dialogue with other food system actors Co-operation with advising Co-operation with research Co-operation with administration Direct international contacts and efforts towards export Longevity and trust in client relations Activity in interest organizations Societal activity Possibility for land trading	Current profitability Surveillance of profitability in the long run Current capital Ratio of debt Earlier investments Availability of investment support Availability of loan capital Willingness and capability for risk taking Pluriactivity Amount of contract- based production Length of contracts Share of forestry Additional incomes by working outside farm Voluntary insurances
Production input industry	Size of enterprise Environmental awareness in processes Energy efficiency Efficiency of logistics Diversity of suppliers Diversity of sales channels Closeness to customers Reserve supplies Dependence from import Market research and future foresight	Longevity and trust in client relations Diversity of international contacts Longevity of international contacts Public image and societal responsibility Communication with coproducers Dialogue with other food system actors Co-operation with research Co-operation with	Current profitability Willingness and capability for risk taking

Processing industry

Size of enterprise Production capacity

Environmental awareness in

processes Energy efficiency Efficiency of logistics Closeness to suppliers of processing material Diversity of suppliers

Share of domestic processing

material

Closeness to markets Dependence from import Efforts towards export

Skills in research and product

development

Market research and future

foresight

Size of enterprise

Environmental awareness in

processes

Amount of suppliers Diversity of suppliers Capacity of suppliers

Flexibility in supply channels Direct contacts to producers Centralization of logistics Exploitation of information and

communication technology Share of fresh products from

sales

Share of locally produced food

from sales

Share of "private label" products from sales

Share of imported products

from sales

Closeness to markets Market research and future

foresight

administration

Communication to build consumer trust

Communication with coprocessors

Dialogue with other food system actors

Co-operation with research

Co-operation with administration

International co-operation

Current profitability Willingness and capability for risk taking

Retail

Communication to consumers

Communication with co-

retailers

Dialogue with other food

system actors

Co-operation with research

Co-operation with administration

International co-operation

Current profitability Willingness and

Food system as a whole

Infrastructure

National emergency supplies Quality of agricultural research

Quality of food research

Quality of economic and policy

research

Exploitation of information and communication technology Diversity of the food system Development of local food

production

Share of domestic production

Transparency of the food system

Legitimacy and transparency of policy

Communication within each actor level of the food system Dialogue among food system

actors

Dialogue of food system actors and consumers

Equability

International co-operation

capability for risk taking

Omission of suboptimization