In the crisis of the COVID epidemic, there is a shift in the raw materials and ingredients businesses that will be used for cooking across the country. The food business was most affected by the crisis of interconnected transport interruption and short-term fluctuations of food market. All countries have turned to domestic or regional consumers as humans still have to consume three meals a day to survive.

Local food is the only way for all countries, even higher or more expensive than ever. But there is no other choice. Therefore, Real-time monitoring should be designed and utilized to strengthen of existing local food production such as the cop strategies, climate, conflict data of local food raw materials and ingredients, price information, and other factors to identify the likelihood of acute food insecurity and help policy makers enact timely policy responses for early warning systems and support preventative policy responses to food crisis risk in each local area.