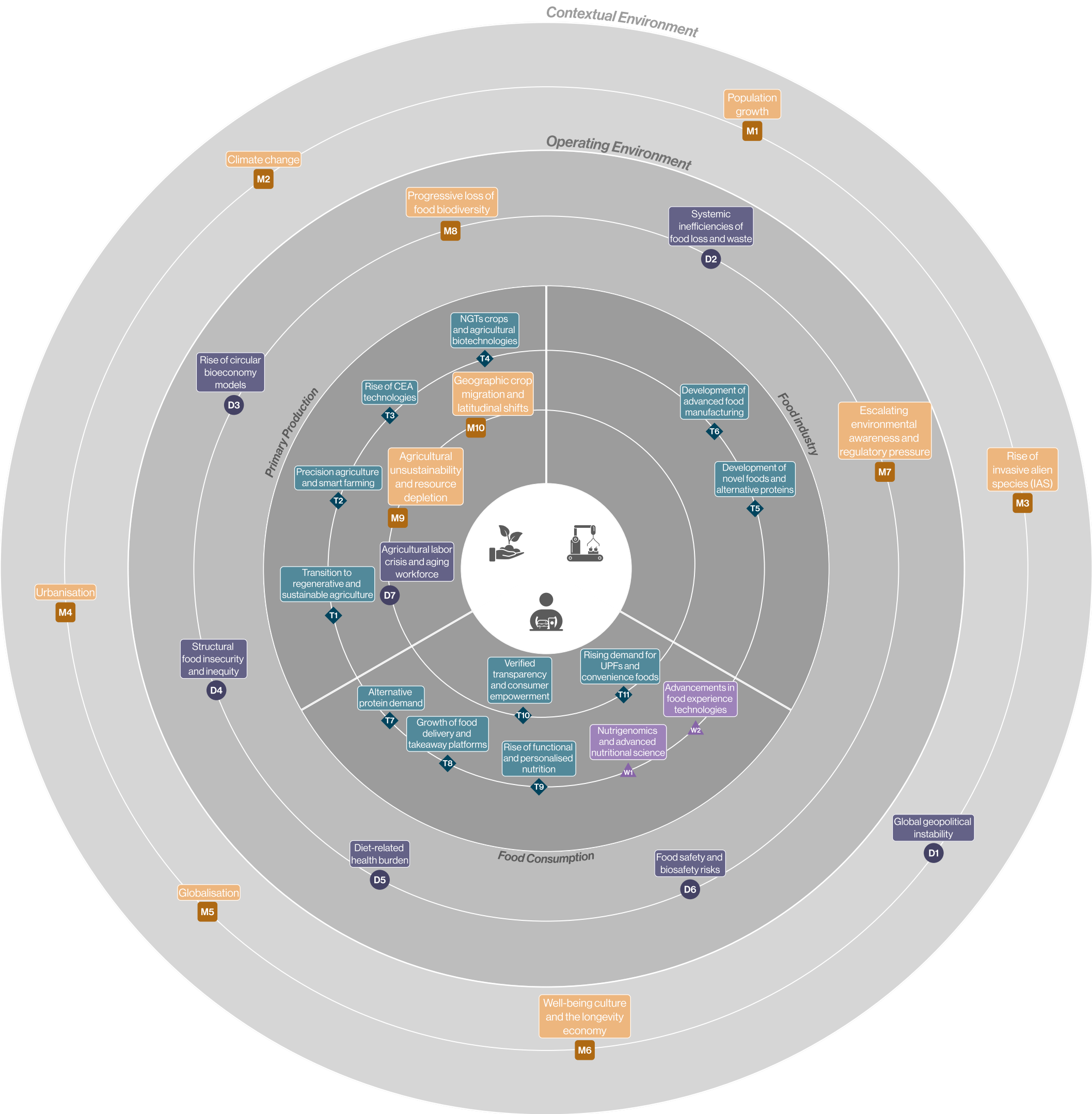
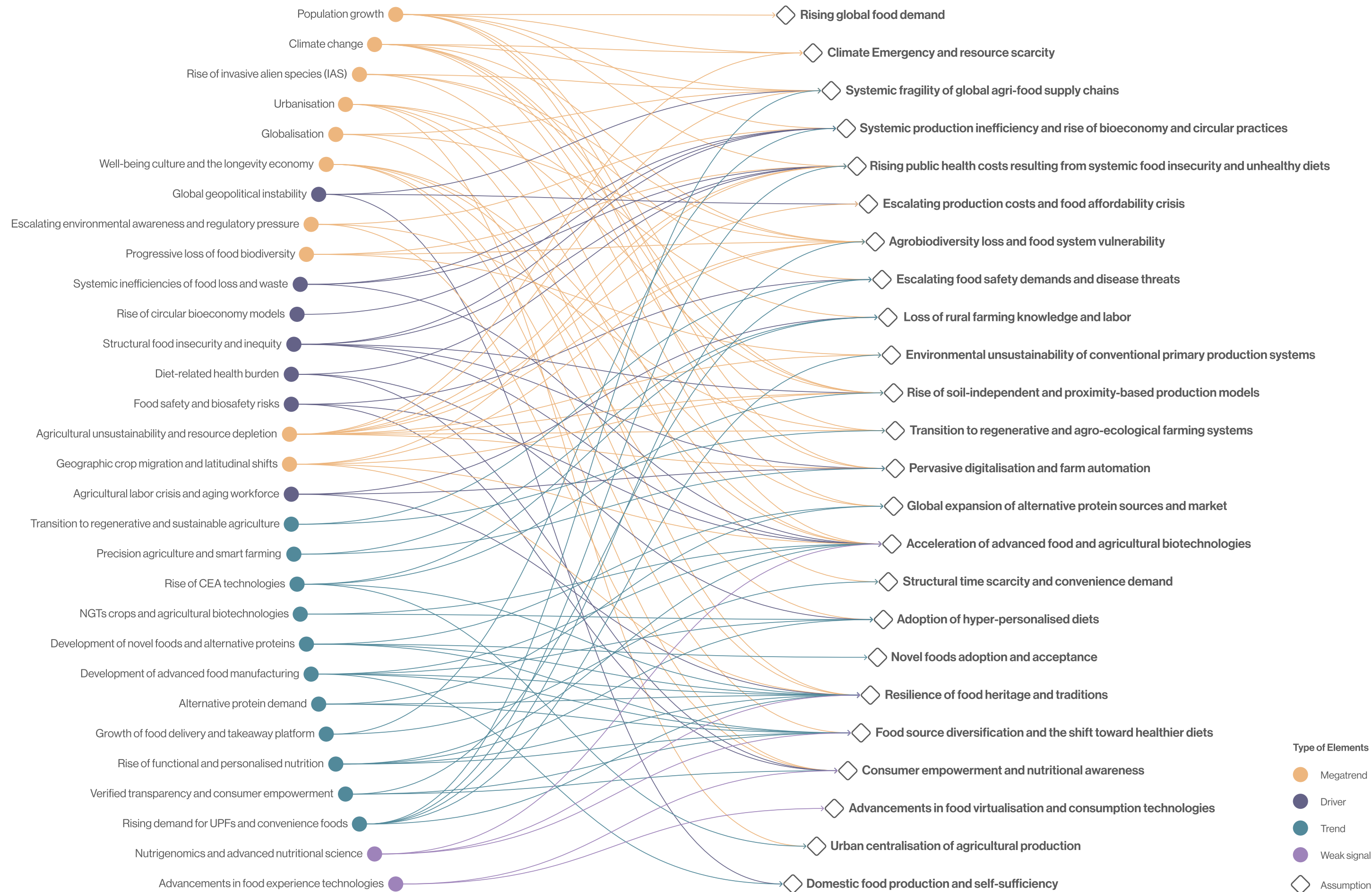


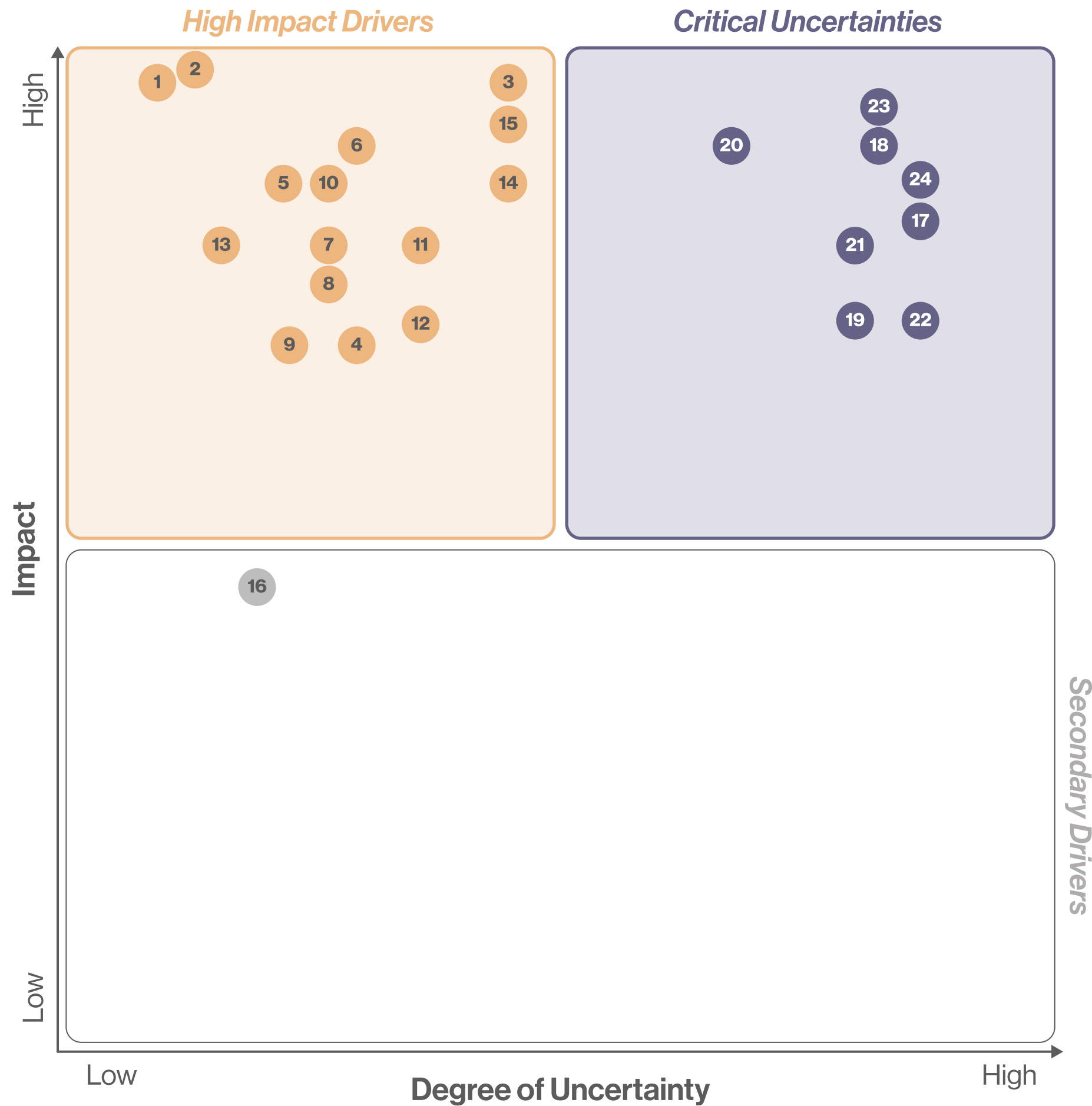


Research Synthesis Map

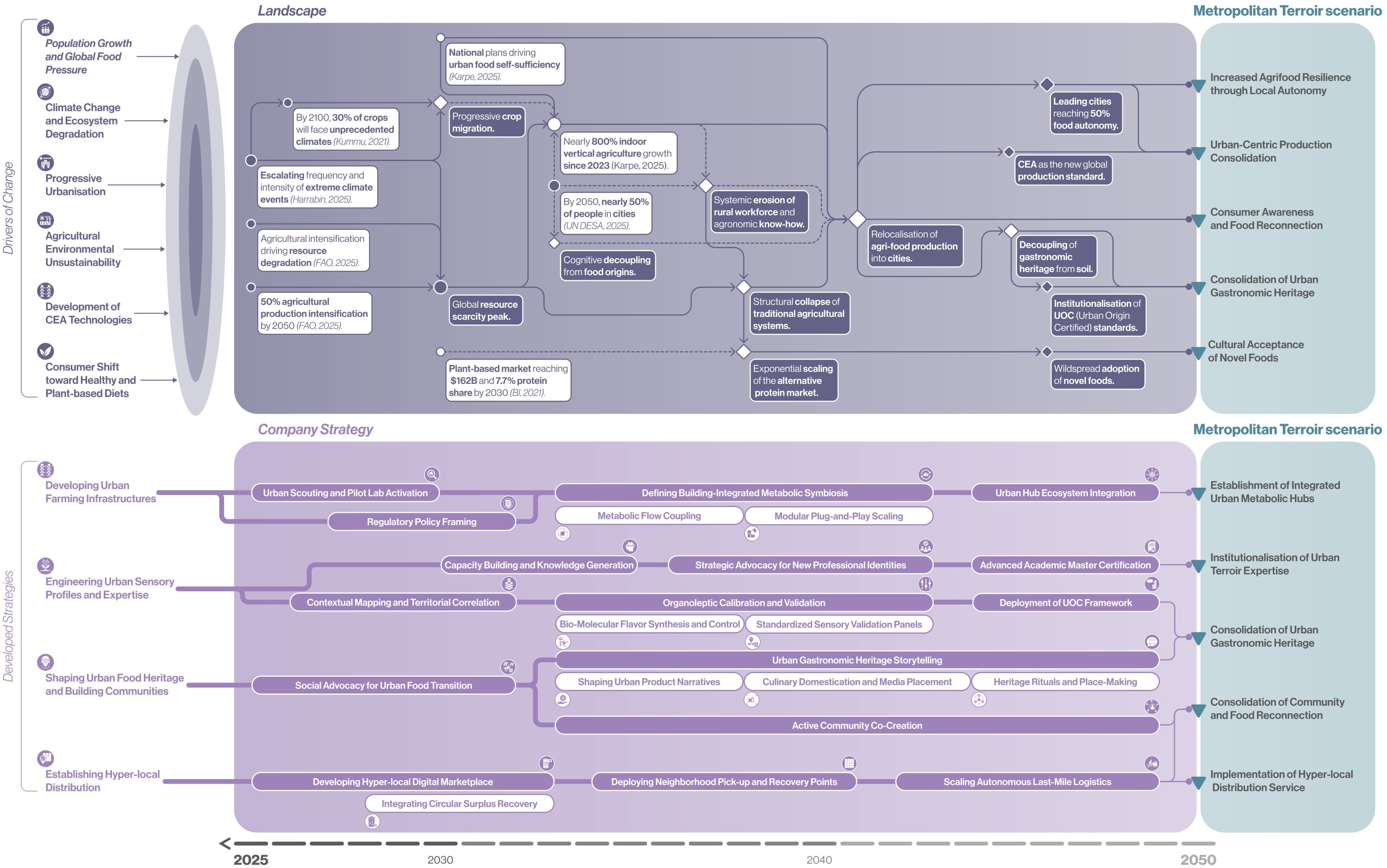


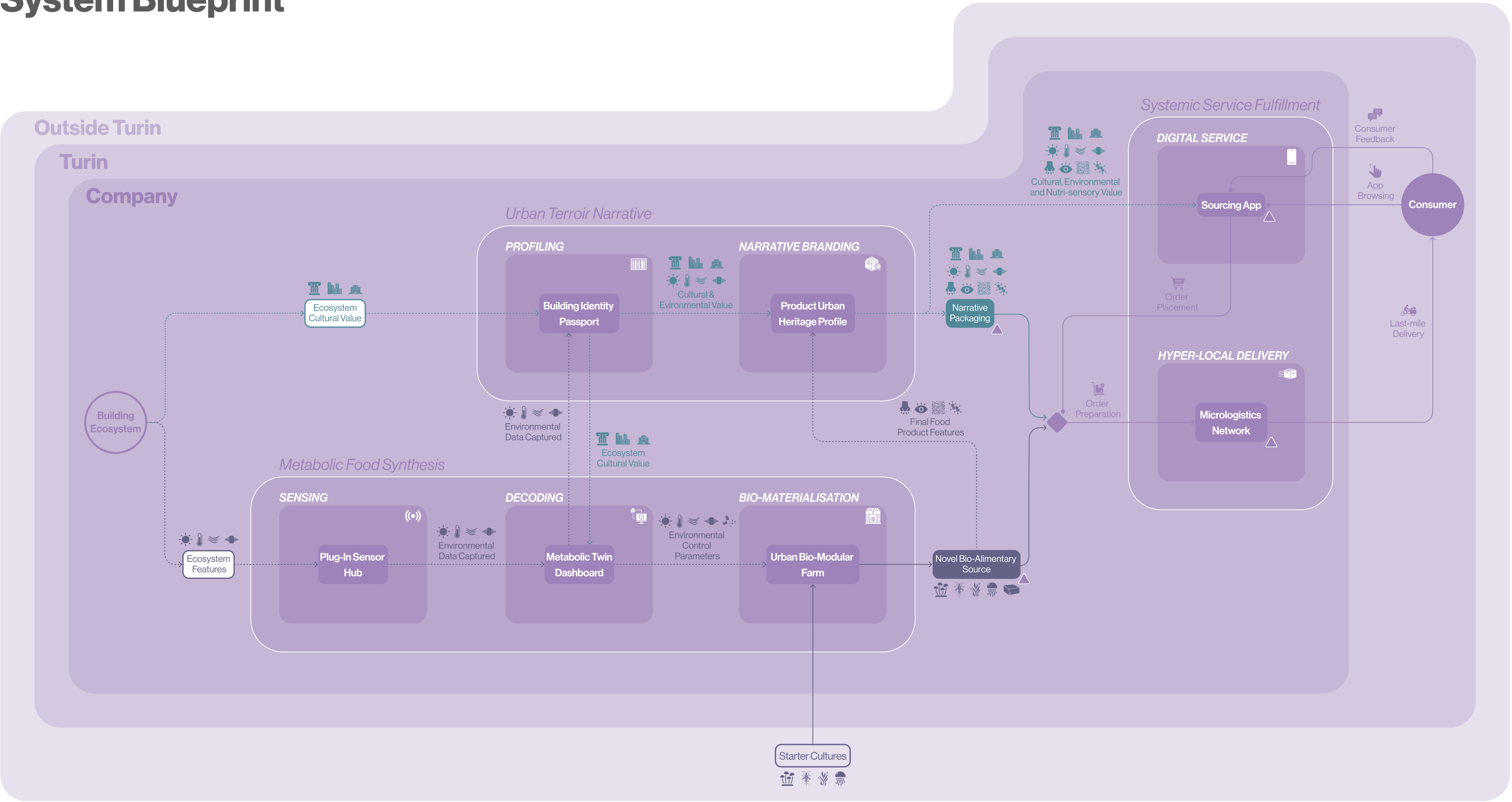
Impact/Uncertainty Matrix

- 1. Rising global food demand
- 2. Climate Emergency and resource scarcity
- 3. Systemic fragility of global agri-food supply chains
- 4. Systemic production inefficiency and rise of bioeconomy and circular practices
- 5. Rising public health costs resulting from systemic food insecurity and unhealthy diets
- 6. Escalating production costs and food affordability crisis
- 7. Agrobiodiversity loss and food system vulnerability
- 8. Escalating food safety demands and disease threats
- 9. Loss of rural farming knowledge and labor
- 10. Environmental unsustainability of conventional primary production systems
- 11. Rise of soil-independent and proximity-based production models
- 12. Transition to regenerative and agro-ecological farming systems
- 13. Pervasive digitalisation and farm automation
- 14. Global expansion of alternative protein sources and market
- 15. Acceleration of advanced food and agricultural biotechnologies
- 16. Structural time scarcity and convenience demand
- 17. Adoption of hyper-personalised diets
- 18. Novel foods adoption and acceptance
- 19. Resilience of food heritage and traditions
- 20. Food source diversification and the shift toward healthier diets
- 21. Consumer empowerment and nutritional awareness
- 22. Advancements in food virtualisation and consumption technologies
- 23. Urban centralisation of agricultural production
- 24. Domestic food production and self-sufficiency



Roadmap



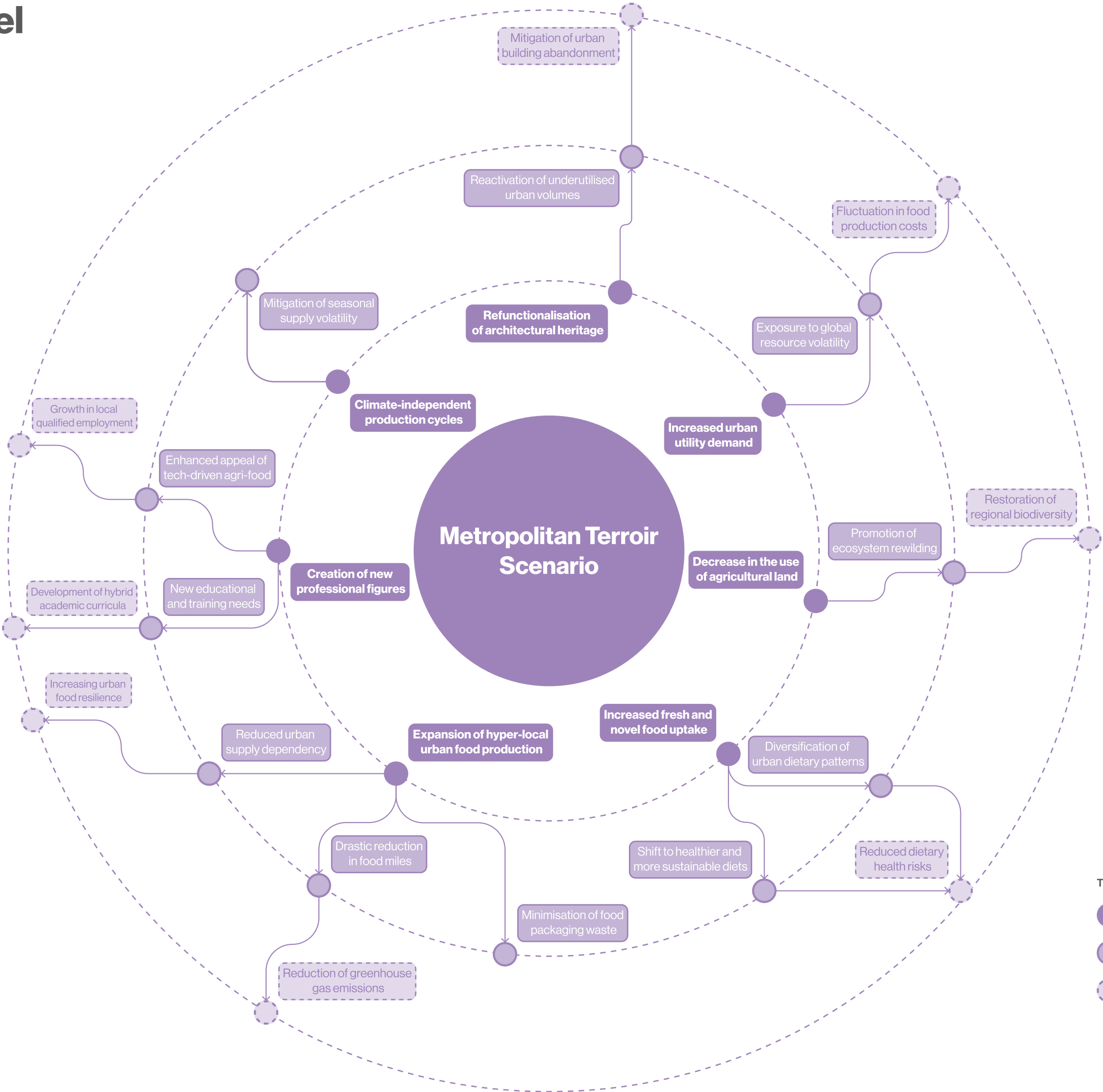


Type of Flows

- Value Flow
- Technical Flow
- Service Flow
- Information Flow
- Material Flow
- Digital Flow

Type of Elements

- Macro-phase
- Specific Phase
- Artifact
- Technical Output
- Value Creation Output
- Technical Input
- Value Creation Input
- Starting Point
- End Point
- Finished product
- Touchpoint



Type of Elements

- 1° level impact
- 2° level impact
- 3° level impact