

Urbani sistemi distribucije hrane

sedmica I-II/XV



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Sarajevo, 2019

Ishodi učenja:

- **Znanje:**
 - Na nivou činjenica definisati, opisati i prepoznati: specifičnosti urbane poljoprivrede; značaj urbane poljoprivrede u razvoju lokalnih zajednica; uloga urbane poljoprivrede u prilagodbi na demografsko-klimatske promjene; razvoj urbane poljoprivrede.
 - Na nivou razumijevanja: razumjeti i analizirati osnovne elemente urbane poljoprivrede; odrediti limitirajuće faktore razvoja urbane poljoprivrede, analizirati potrebu za alatima urbane poljoprivrede.
- **Vještine:**
 - Primijeniti znanja i vještine u analiziranju studija slučaja vezanih za mogućost uvođenja urbane poljoprivrede u pojedine lokalne zajednice.
- **Kompetencije:**
 - Ima sposobnost da integriše znanje i kompetencije u poslovima vezanim za integraciju urbane poljoprivrede u sistem održivog razvoja lokalnih zajednica, institucija i kompanija koje se bave proizvodnjom, preradom i distribucijom hrane; analizirati postojeće sisteme poljoprivredne proizvodnje i predložiti mogućosti prilagodbe sistemu urbane poljoprivrede.

Pravila kursa

Očekivanja: samostalan rad
pitanja / diskusija
timski rad
grupno učenje /learning community/

Diskusija HUP: Hrabrost

- budite hrabri reći mišljenje
- nema pogrešnih odgovora

Učtivost

- budite učtivi prema kolegama
- koristimo književni jezik

Prihvatanje

- prihvatanje tuđih ideja i prijedloga
- „ovo je dobro, ali...”

Pravila kursa

Podsjetnik na današnju lekciju - PDL

Kreiranje vlastite skripte.

Kritičko razmišljanje

Osnove dedukcije i indukcije, korištenja znanja stečenih na ostalim predmetima.

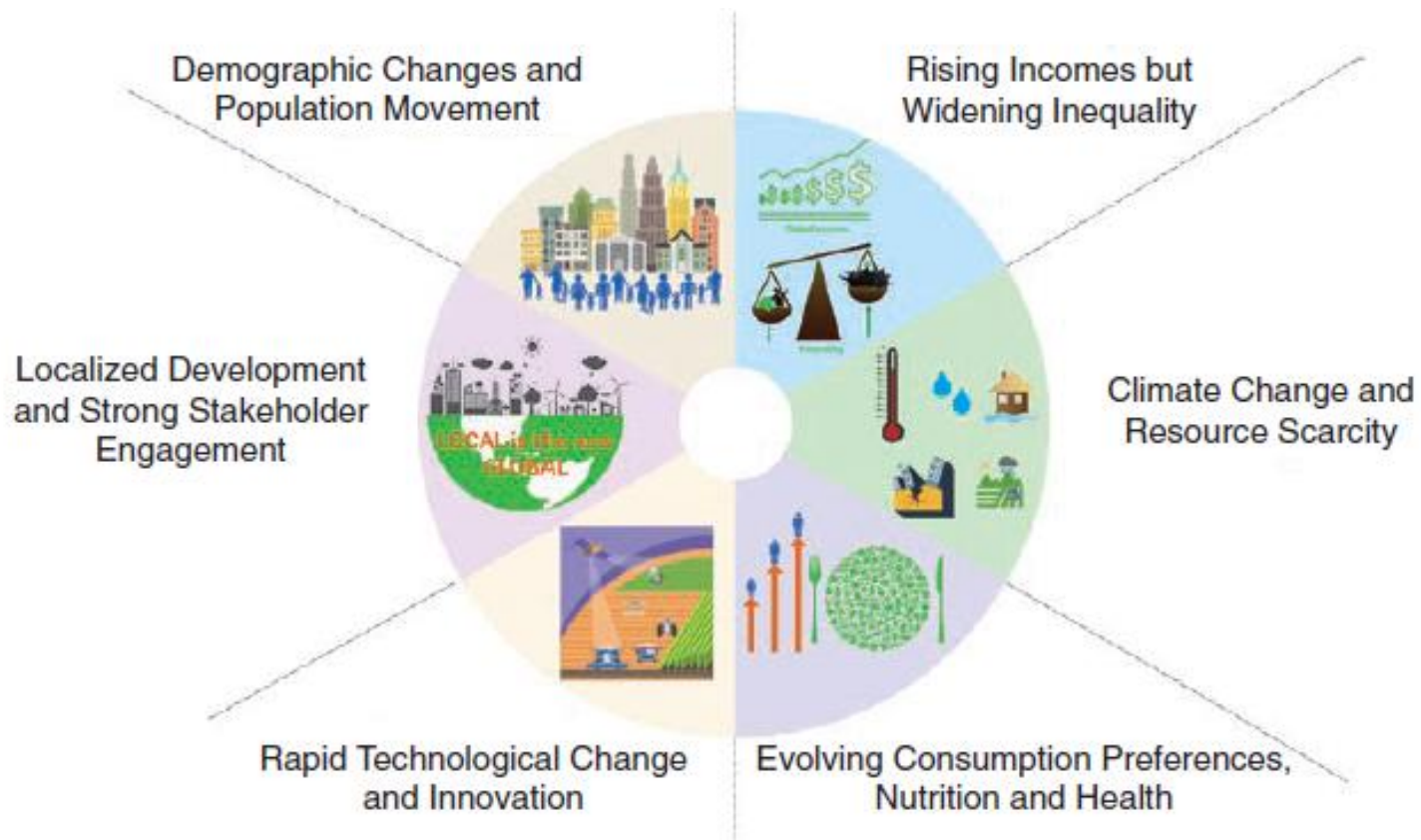
Kvizovi

Pitanja iz PDL.

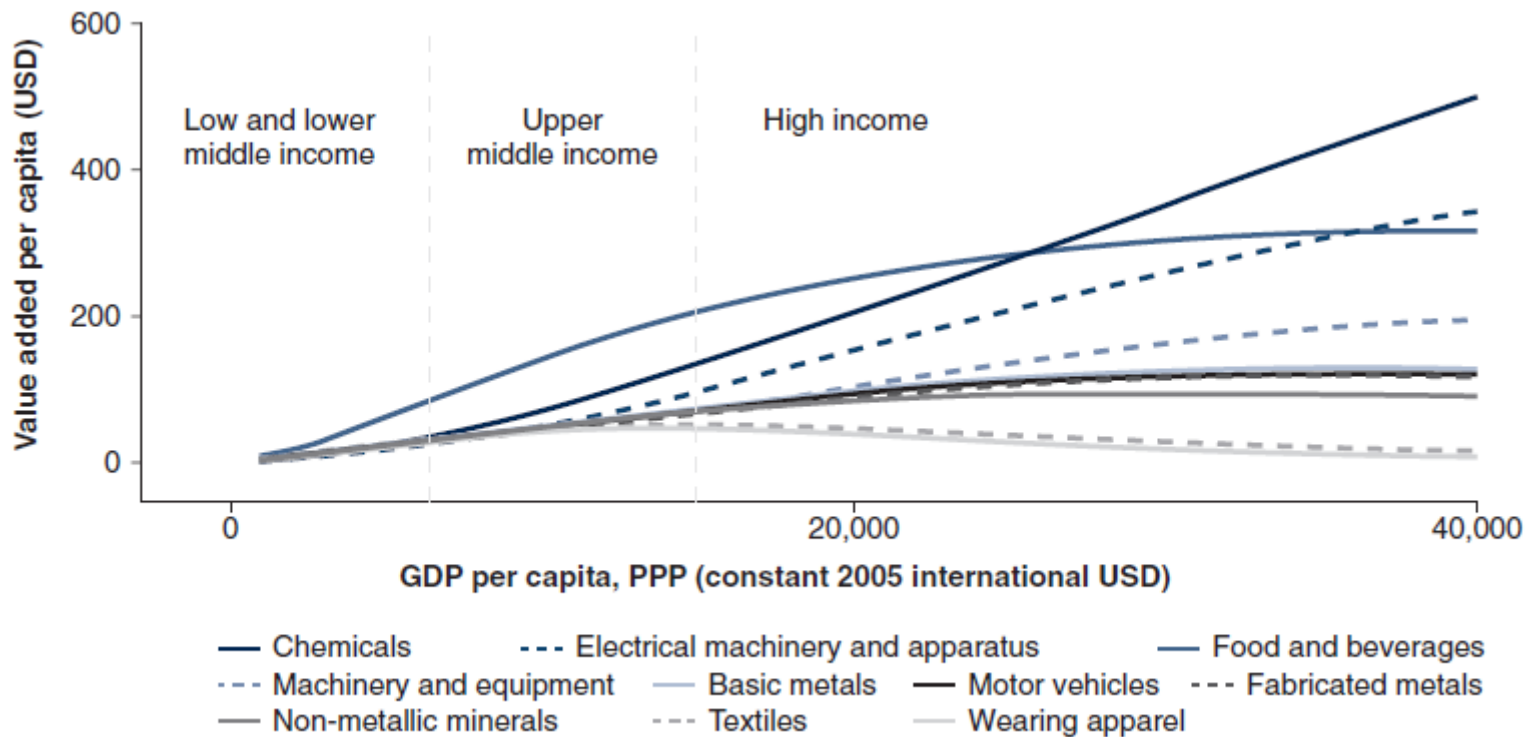
Seminarski rad i projektni zadatak

Obavezne semestralne aktivnosti.

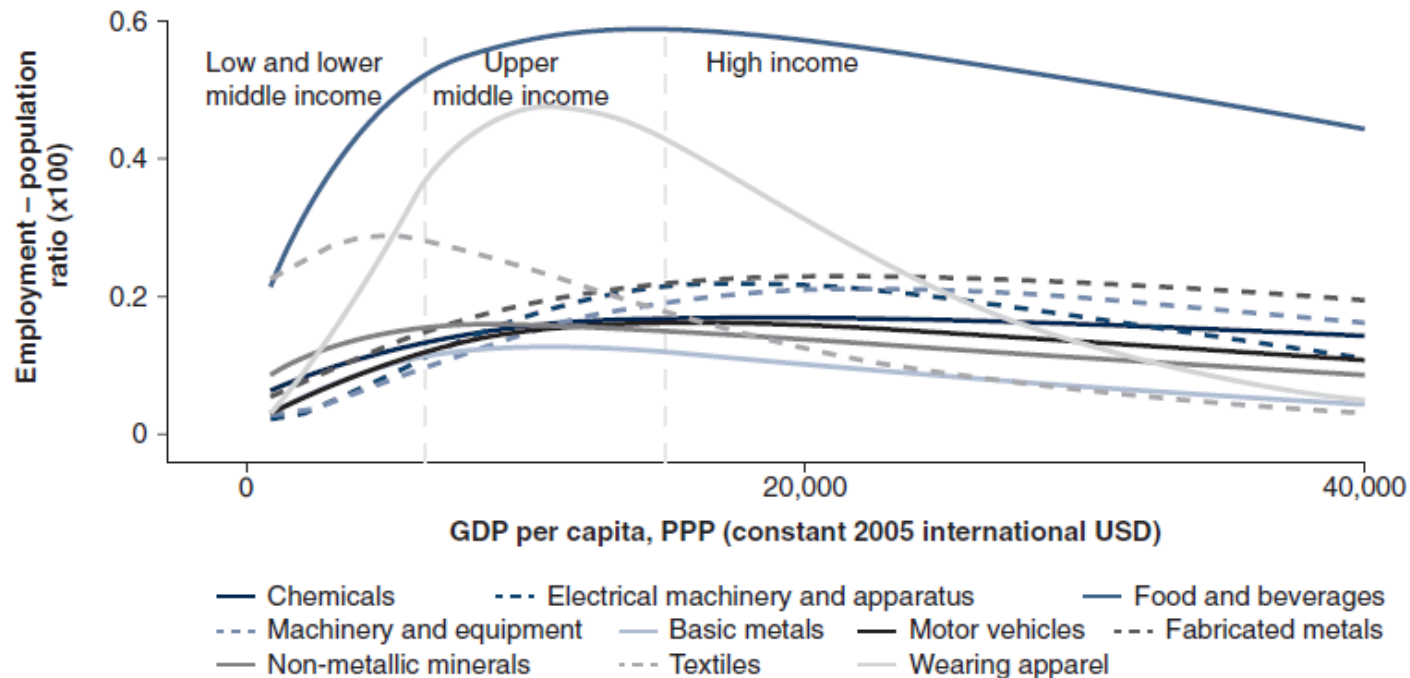
O čemu će biti govora



Svjetski trendovi proizvodnje hrane



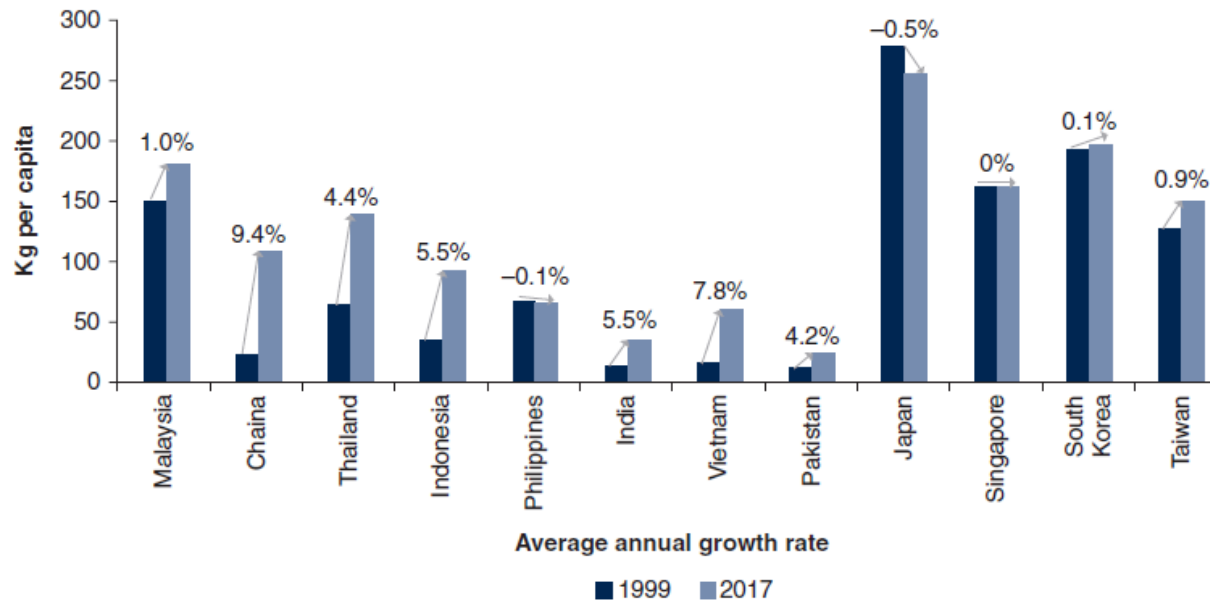
Svjetski trendovi proizvodnje hrane



Source: UNIDO (2014). (Ibid)

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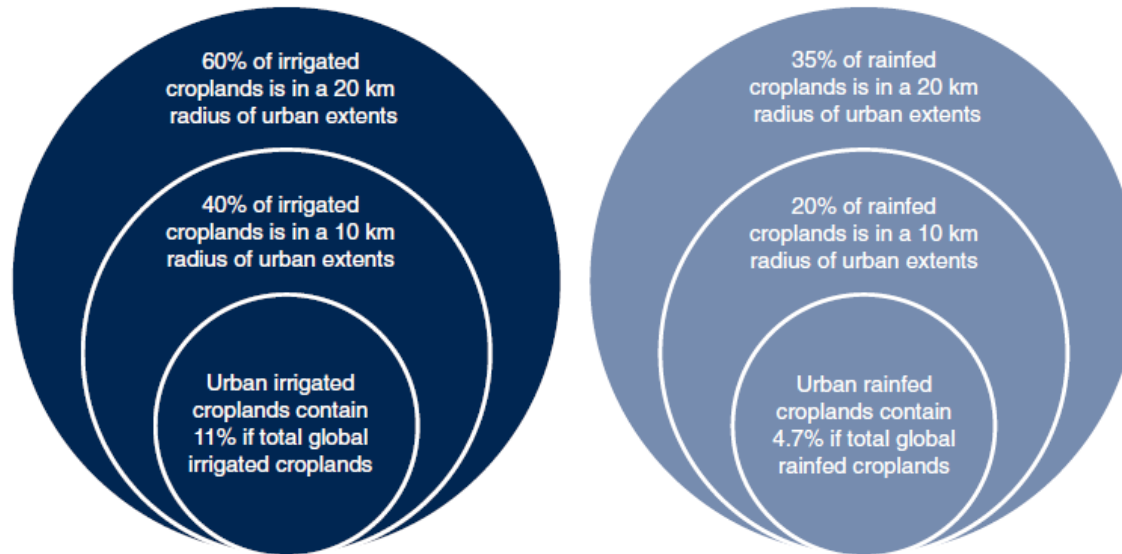
FIGURE 2.5 Growth in Per Capita Consumption of Processed Food Products in Asia: 1999 to 2017



Source: Baker, P., & Friel, S. 2014. Processed foods and the nutrition transition: evidence from Asia. *Obesity Reviews*, 15(7), 564–577.

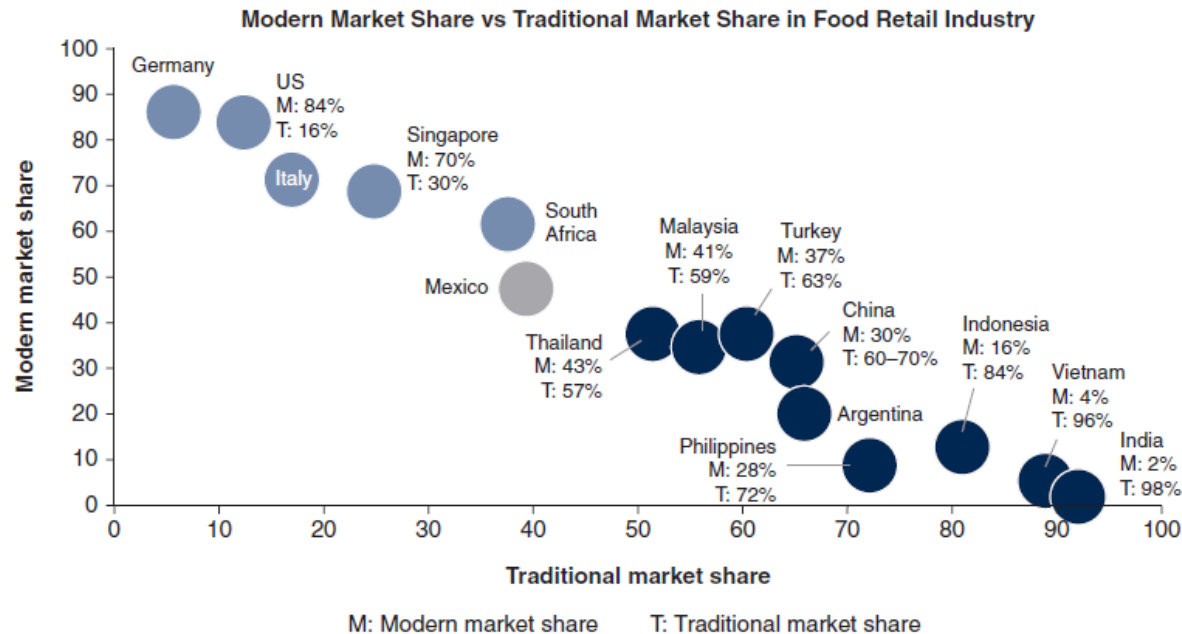
Svjetski trendovi proizvodnje hrane

FIGURE 3.2 Share of Urban and Peri-Urban Land in Total Global Agriculture Land



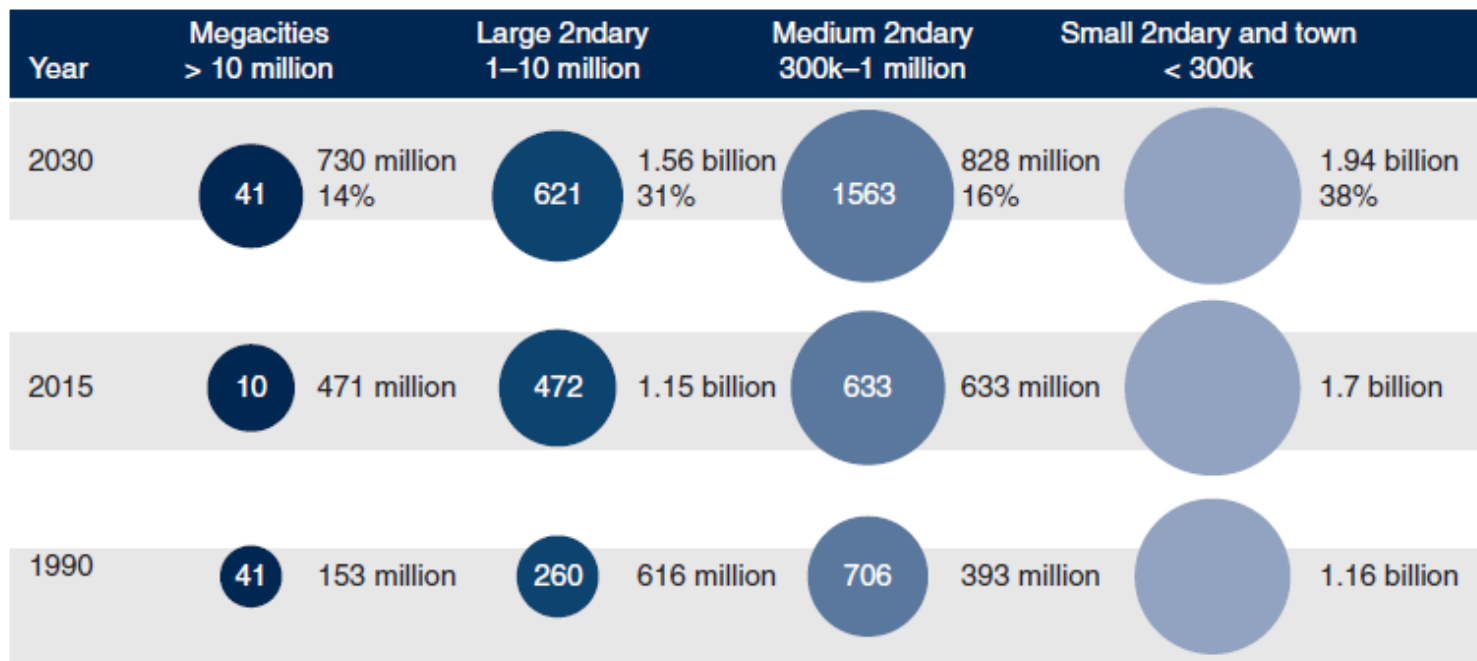
Source: Thebo, A. L., Pay Drechsel, and E. F. Lambin. 2014. Global assessment of urban and peri-urban agriculture: irrigated and rainfed croplands. *Environmental Research Letters*, 9(11), 114002.

Svjetski trendovi proizvodnje hrane



Source: DBS Group Research. 2015. Industry focus: Asian grocery retail report. Accessed June 1, 2017. https://www.dbs.com.sg/treasures/aics/pdfController.page?pdfpath=/content/article/pdf/AIO/150722_insights_whetting_asean_appetite.pdf; Delgado, Juan. 2015. Market structure, growth and competition in the supermarket sector in Latin America; Agriculture and Agri-food Canada. Modern grocery retailing in the United States. *International Markets Bureau Market Indicator Report*. Accessed June 1, 2017. <http://www.agr.gc.ca/resources/prod/Internet-Internet/MISB-DGSIM/ATS-SEA/PDF/6365-eng.pdf>; Yurdagul, Bulent and Neerav Agarwal. 2015. Turkish food retail. *HSBC Global Research*. Accessed June 1, 2017. http://f.bigpara.com/20151126_Turkish%20Consumers_HSBC.pdf; Battersby, Jane, and Stephen Peyton. 2014. The geography of supermarkets in Cape Town: Supermarket expansion and food access. *Urban Forum* 25, no.2: 153-164. Springer Netherlands, 2014; Zhang et al., Transformation of urban.

Svjetski trendovi proizvodnje hrane



● Number of cities by city type, data not available for cities < 300k

153 million: total urban population by city type 14%: share of 2030 urban population by city type

Data source: United Nations. World Urbanization Prospects.

Urbani sistemi distribucije hrane

sedmica III-IV-V/XV



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Lanac vrijednosti

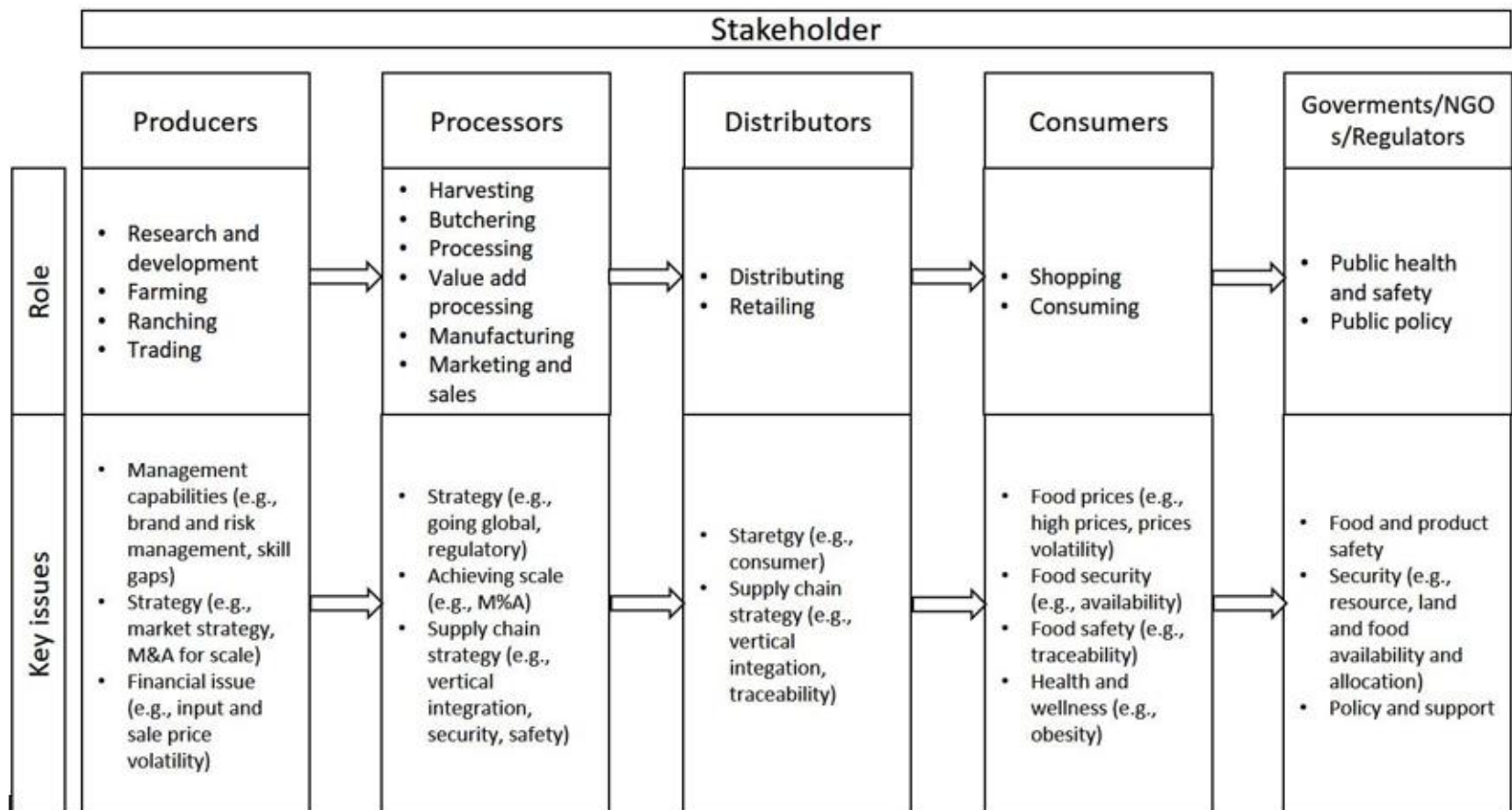


Figure 1 - Agrifood value chain map (Deloitte, 2013)

Lanac vrijednosti

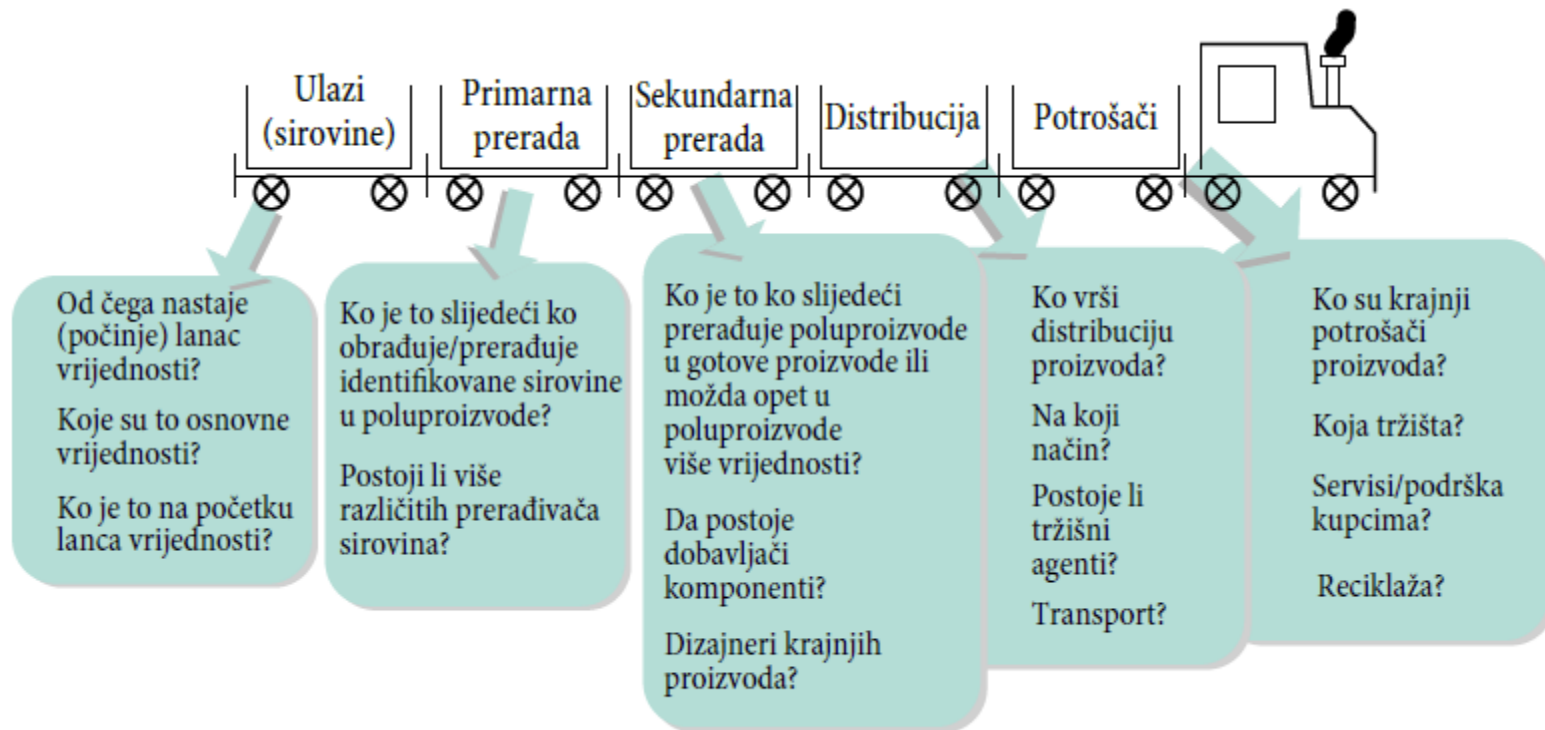


Figure 1 - Agrifood value chain map (Deloitte, 2013)

Lanac vrijednosti

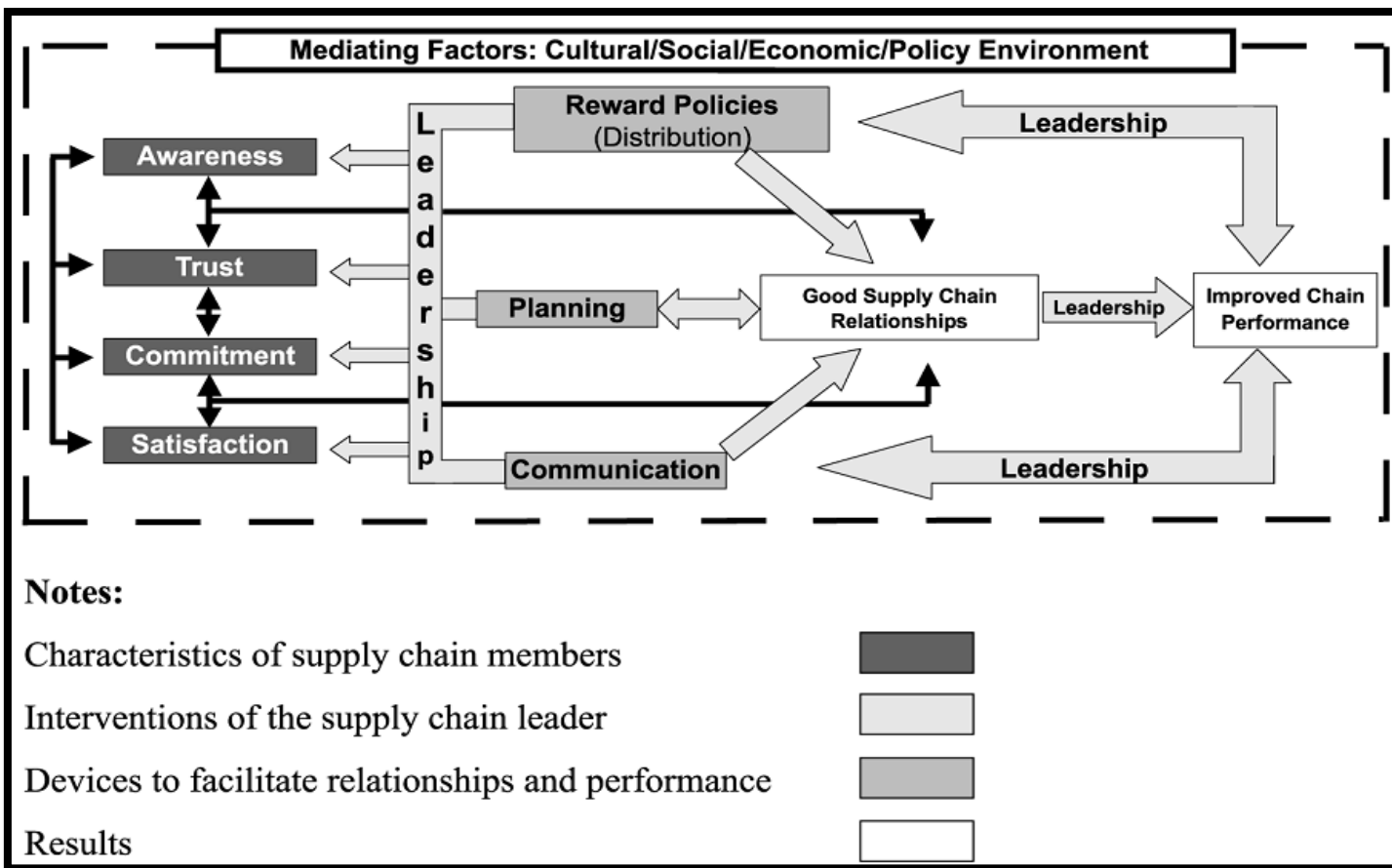


Figure 2 - Odnosi u efektivnom lancu vrijednosti

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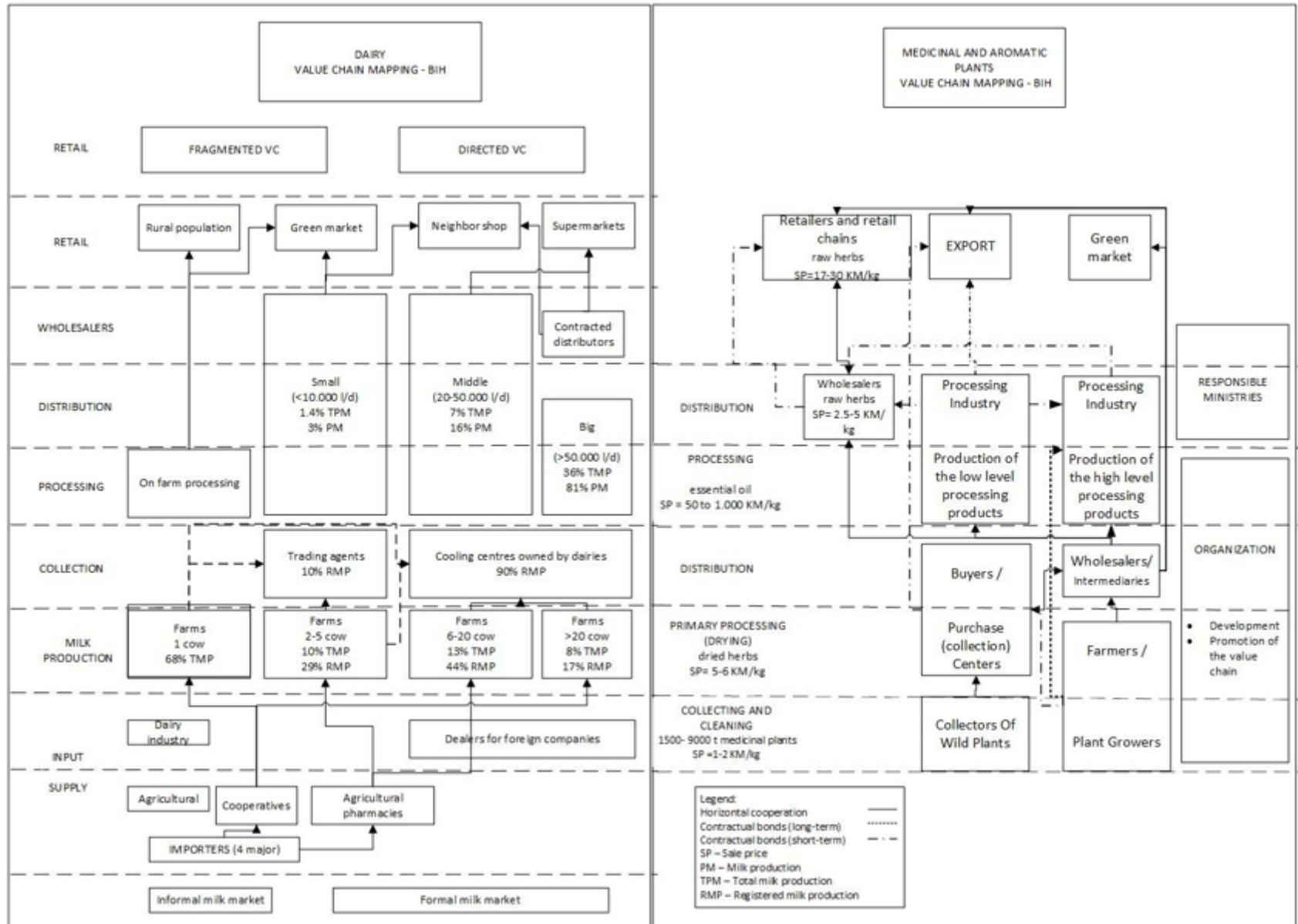
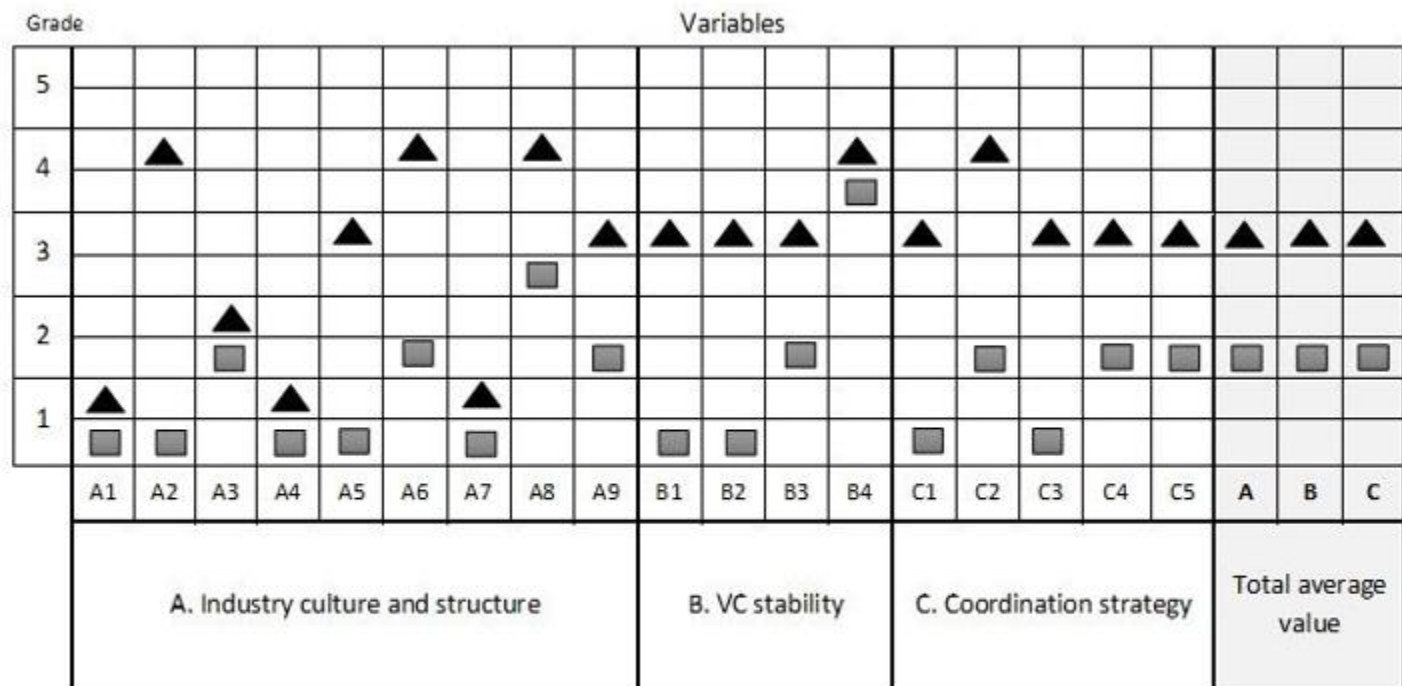


Figure 2 – Mapiranje lanca vrijednosti

Efikasnost lanca vrijednosti



Legend:

- ▲ - average value for medicinal and aromatic plants sector
- - average value dairy sector

Figure 3 - Efficiency assessment for dairy and medicinal and aromatic sector

Efikasnost lanca vrijednosti

- Note: each induced variable is evaluated and mark using Likert scale (1 undeveloped, 3 partially developed, 5 well developed).
- Industry culture and structure
 - A1 farm structure (1 fragmented & dispersed – 5 high share of middle size farms integrated sector);
 - A2 dairy structure (1 fragmented low economy of scale – 5 integrated, special sated high economy of scale);
 - A3 quality of logistics (1 undeveloped logistic – 5 well efficient logistic services, low transaction costs);
 - A4 ICT application (1 low, undeveloped – 5 active use, mutual involvement);
 - A5 share of information (1 – low willingness, not possible – 5 high willingness, systems and procedures developed);
 - A6 market orientation (1- commodity orientation – 5 value created and maintained);
 - A7 market strategy (1 – price competition – 5 diversification, quality competition);
 - A8 quality and safety (1 – undeveloped systems – 5 developed systems);
 - A9 cooperatives and associations (1 undeveloped, low activity and capability – 5 developed, capable and active);
- VC stability
 - B1 market power (1 high market power of one player – 5 all have similar market power),
 - B2 risk share (1 no any attempt – 5 agreed procedure of risk sharing),
 - B3 contractual agreements (1 short agreements, poorly defined and hard to enforce – 5 long term stabile business agreements);
- Coordination strategy
 - C1 type of company interest to become VC member (1 pure self-interest – 5 mutual interest, synergy),
 - C2 type of relationship (1 -short-term unstable – 5 long-term stabile relationship),
 - C3 willingness to share benefits and informations (1 very low – 5 high very motivated, associations who support and facilitate it),
 - C4 level of dependence (1 independent – 5 interdependent);
 - C5 transparency (1 low – 5 very high).

Urbani sistemi distribucije hrane

sedmica VI-VII/XV



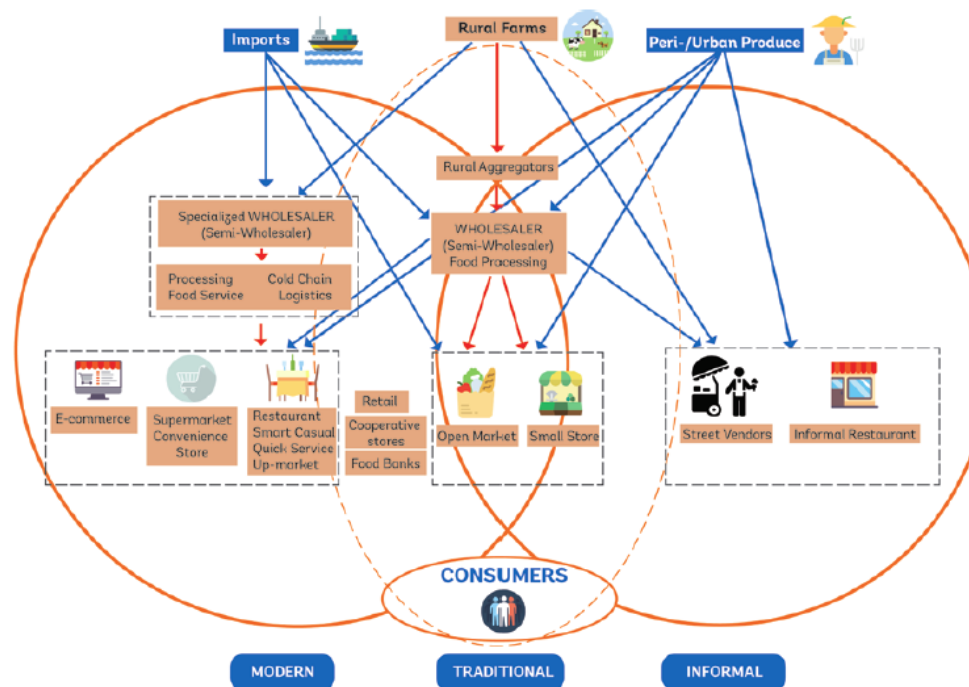
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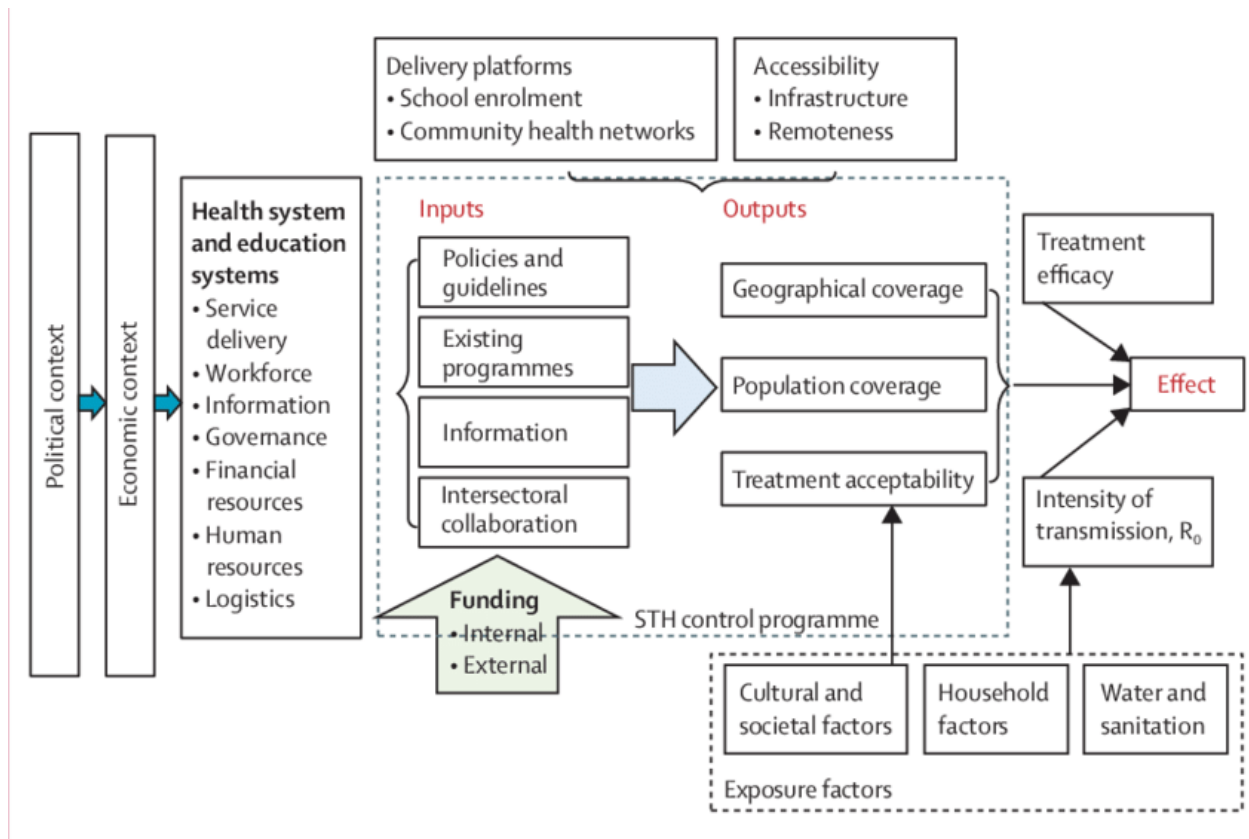
Sarajevo, 2019

Svjetski trendovi proizvodnje hrane

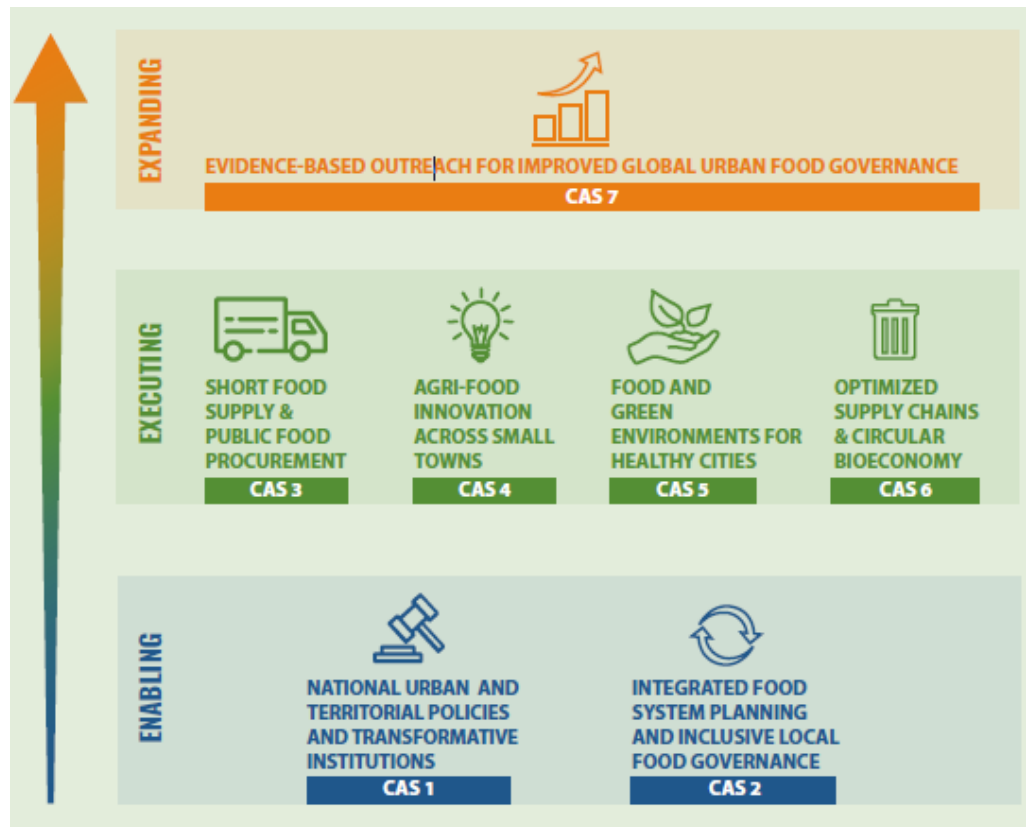
FIGURE 3.1 Evolving Food Systems: Modern, Traditional and Informal



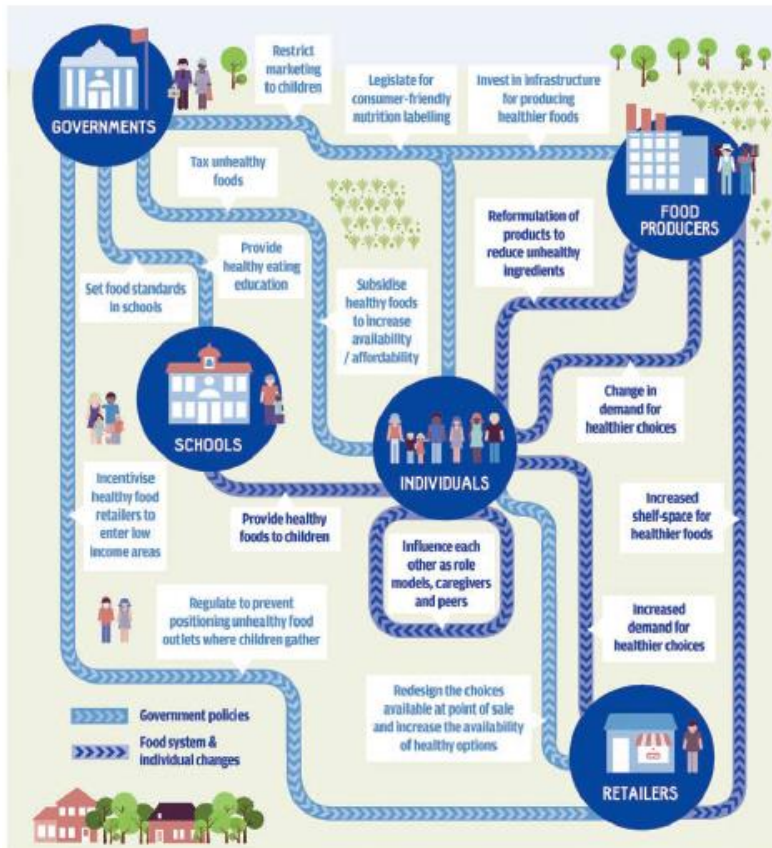
Svjetski trendovi proizvodnje hrane



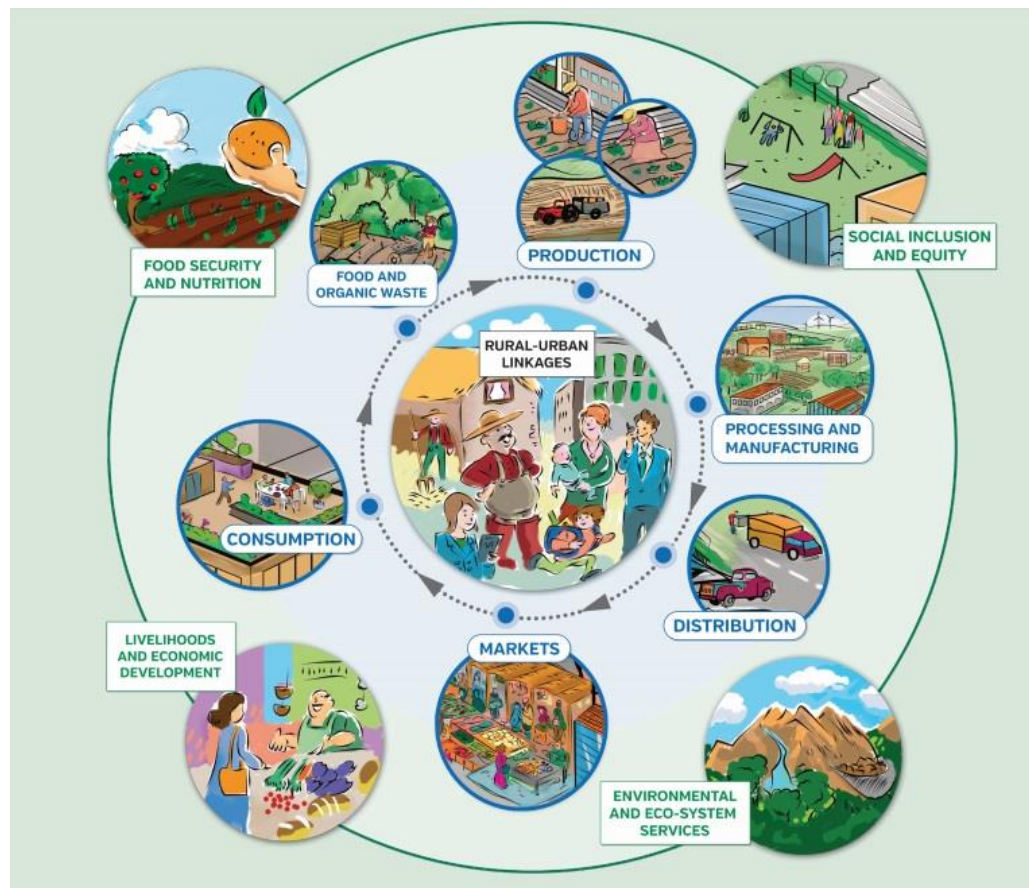
Svjetski trendovi proizvodnje hrane



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Geneva **"Protecting Our Planet's Health: Growing Cities, Poor Nutrition, What Can Be Done?"**

on 10 November 2016 to discuss how we can improve the nutrition of vulnerable urban populations.

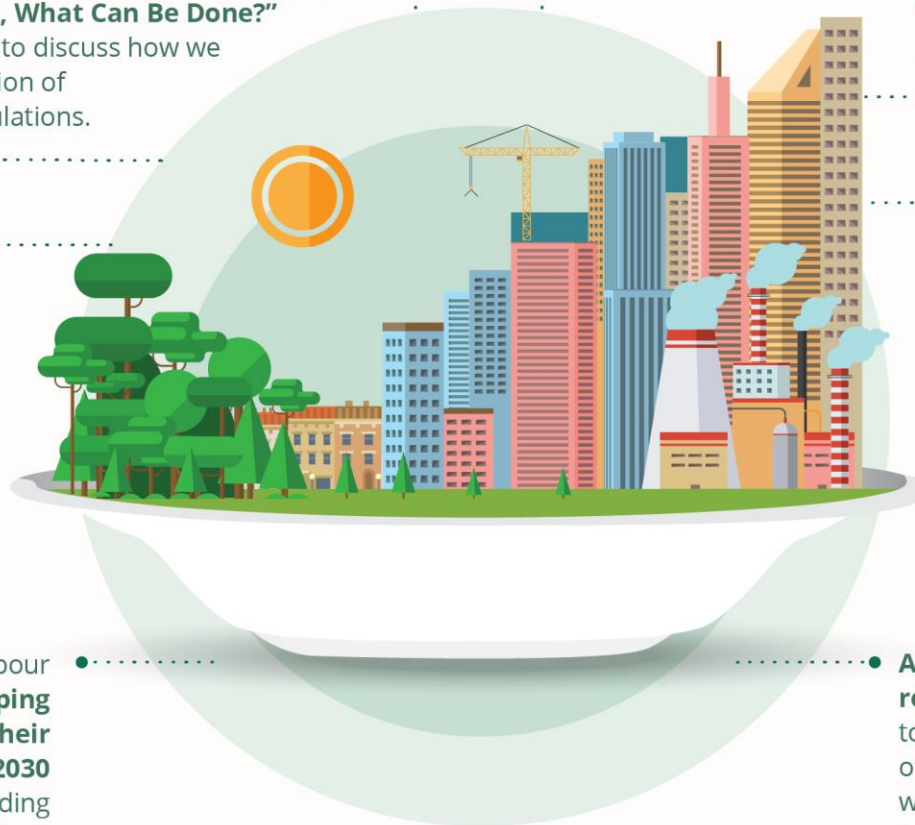
estimate of additional public spending to reach the goal of ending hunger by 2030.

While ISO standards have already played an important role in the food chain, ISO is currently developing **new documents on sustainability and social responsibility for the agri-food sector.**

From crop to shop, **ITC's Standards Map** helps ensure that smallholders in developing countries produce food that is fair, ethical and safe for consumers.

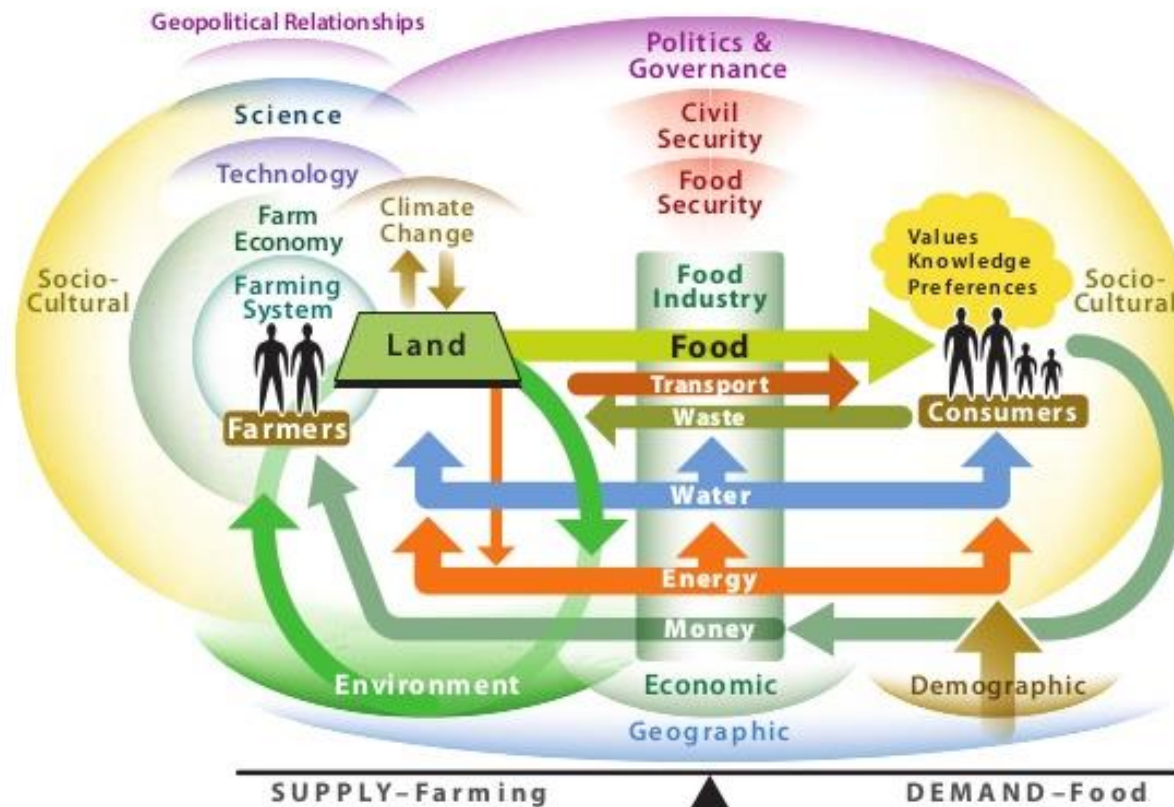
The International Labour Organization is **helping farmers to double their productivity by 2030** through skills-building activities ranging from business development to support for farmers'

Adequate and reliable water resources are a prerequisite to the sustainable production of food and energy for human well-being as well as mitigating potential conflicts between increasing food and energy production

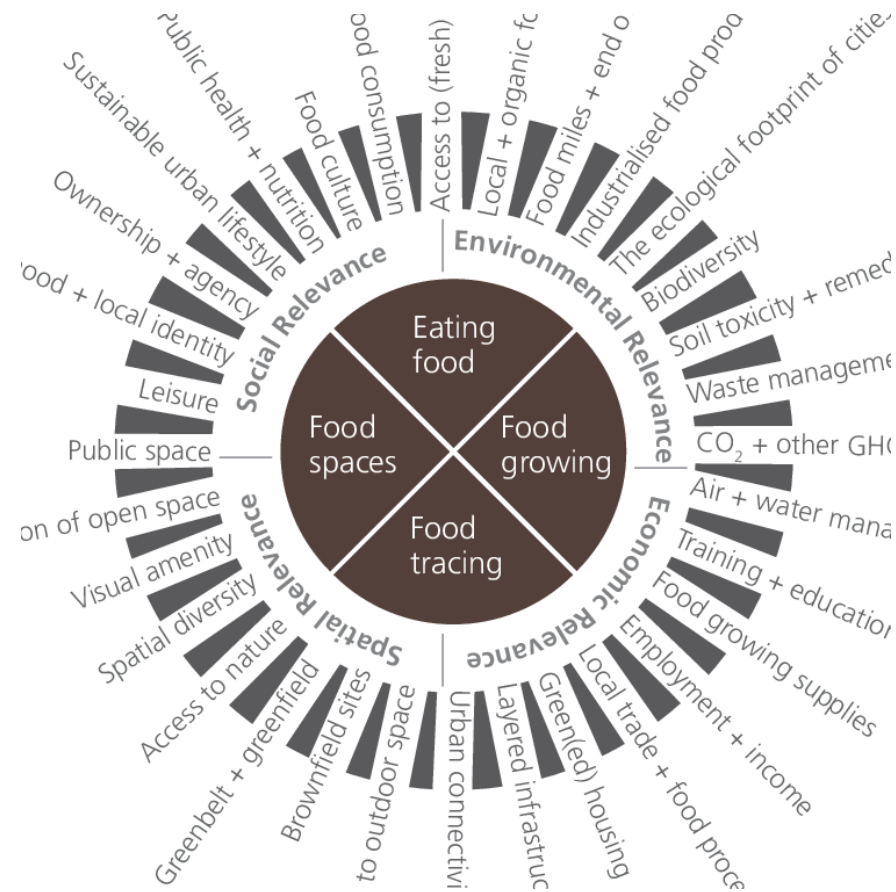


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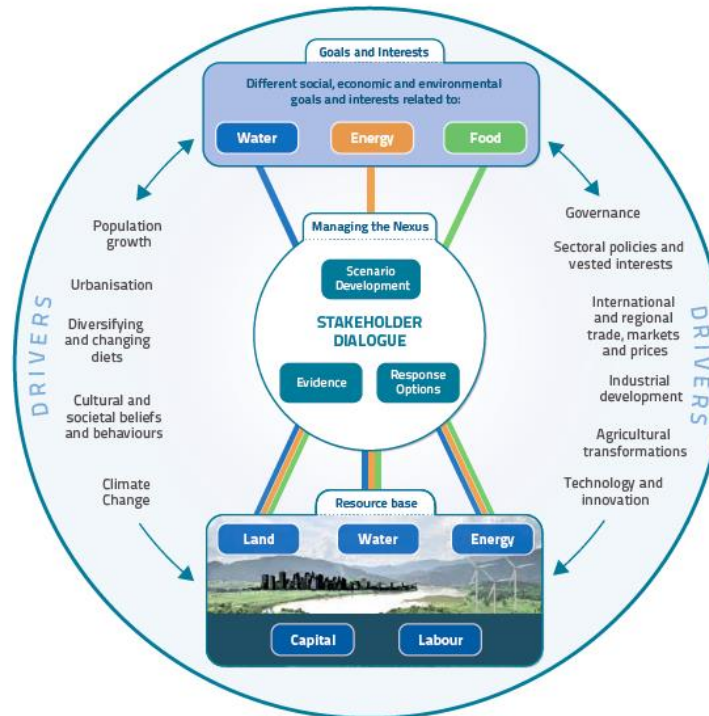
Food System Map – Basic Elements



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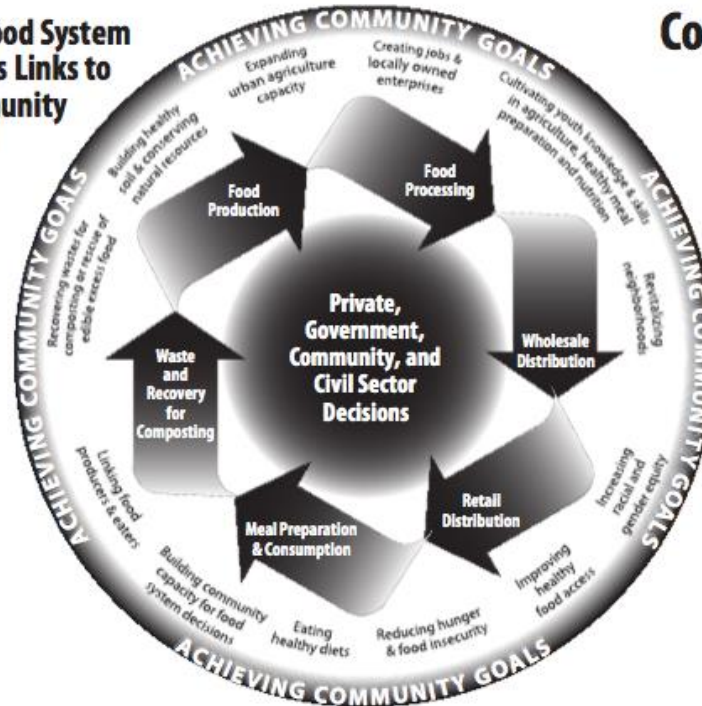
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Source: FAO (Food and Agriculture Organization of the United Nations). Water-Energy-Food-Nexus. Accessed June 1, 2017. <http://www.fao.org/energy/water-foodenergy-nexus/en/>.

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**The Food System
and Its Links to
Community
Goals**

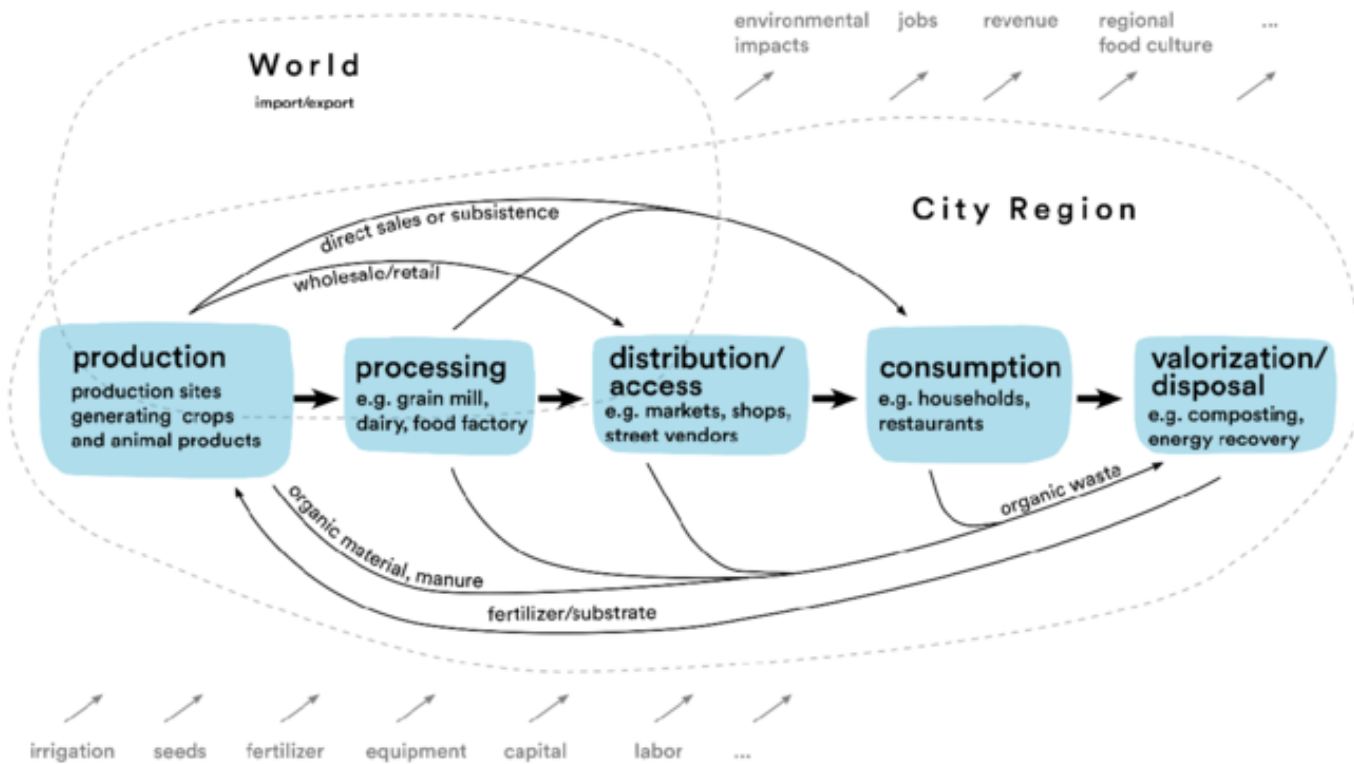


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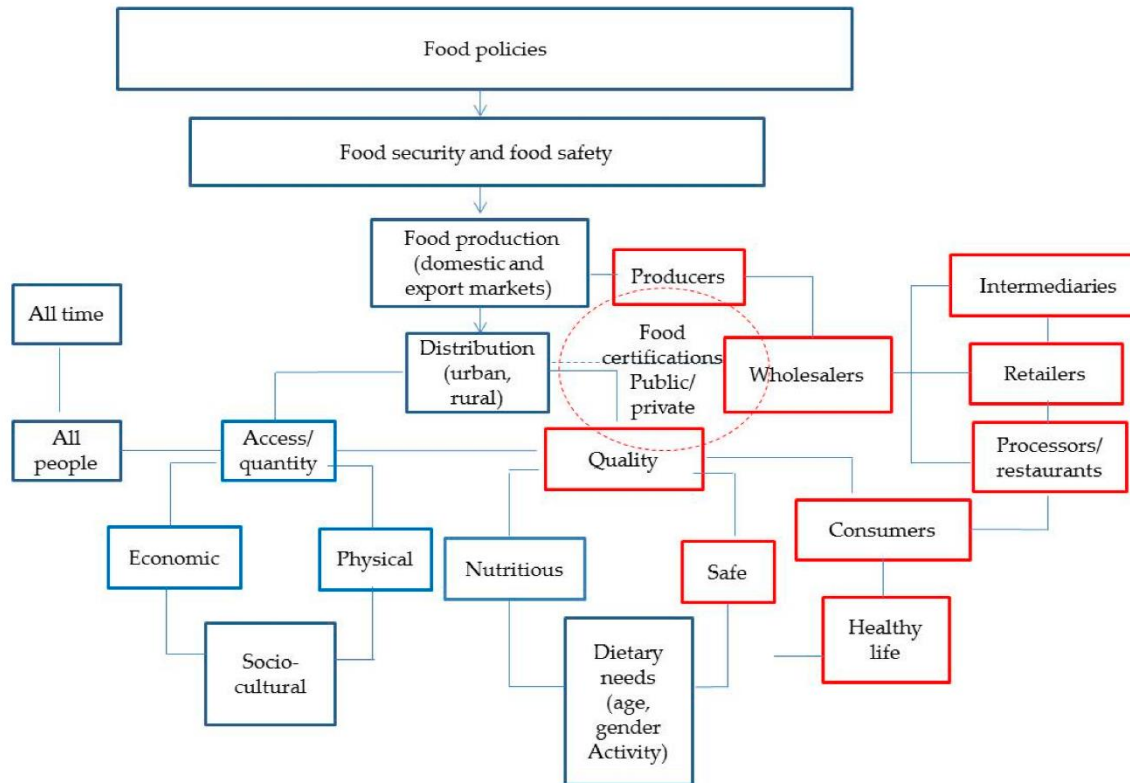
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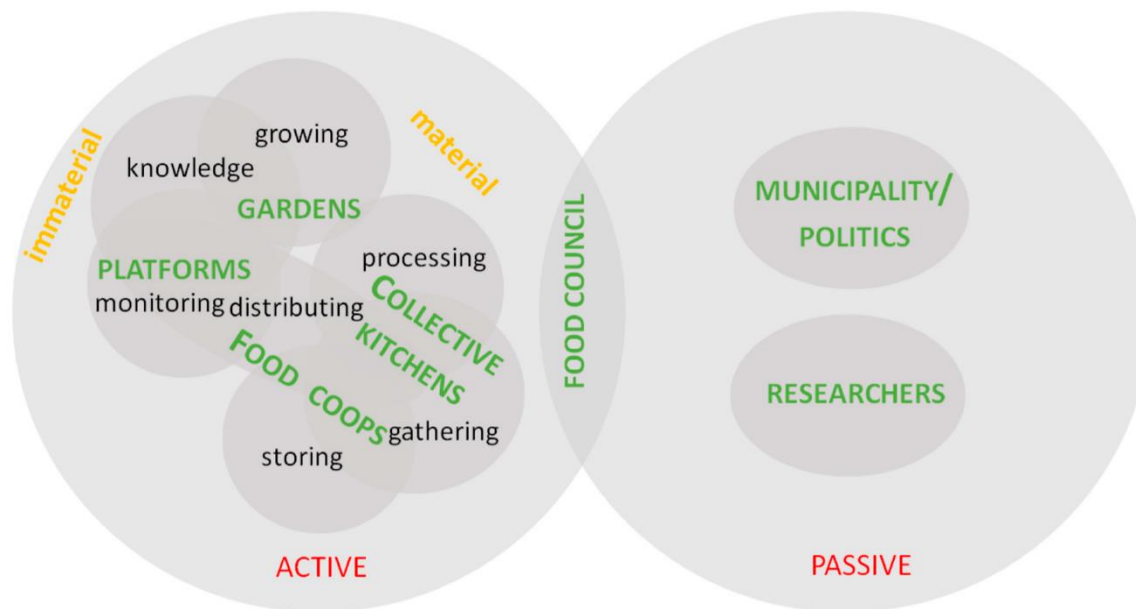
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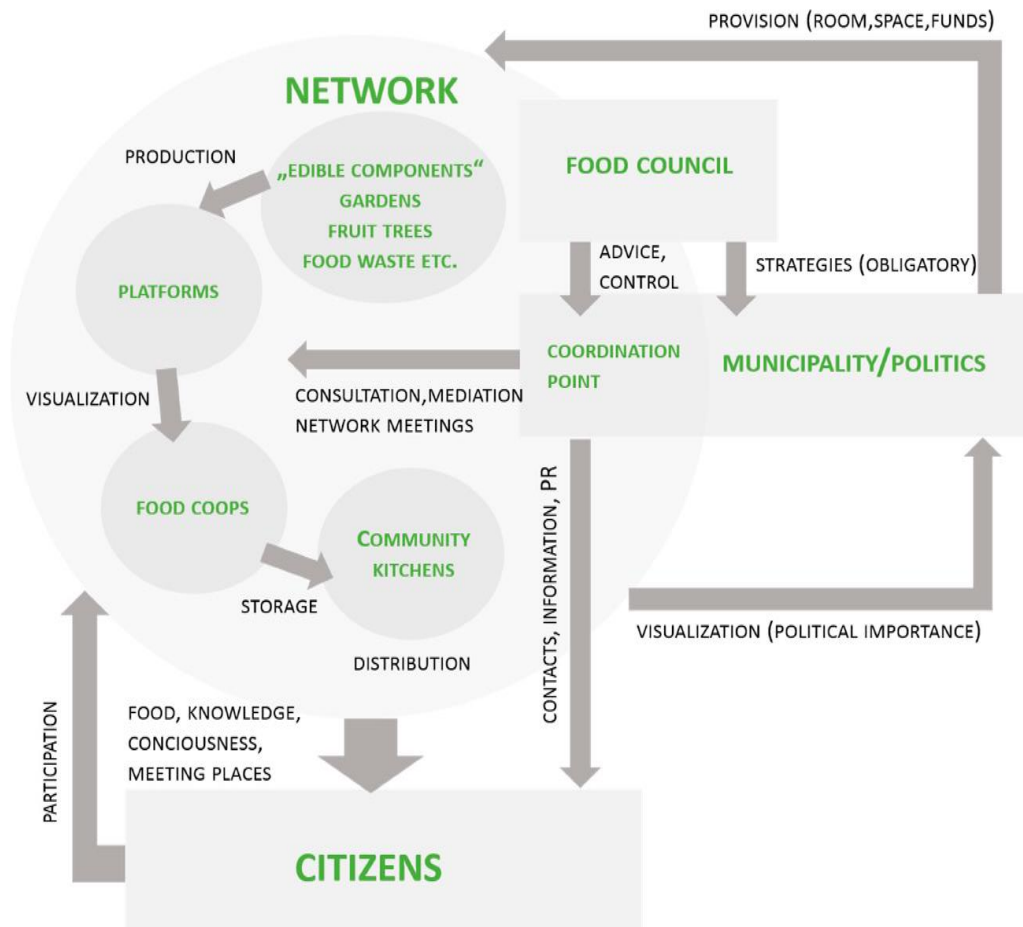
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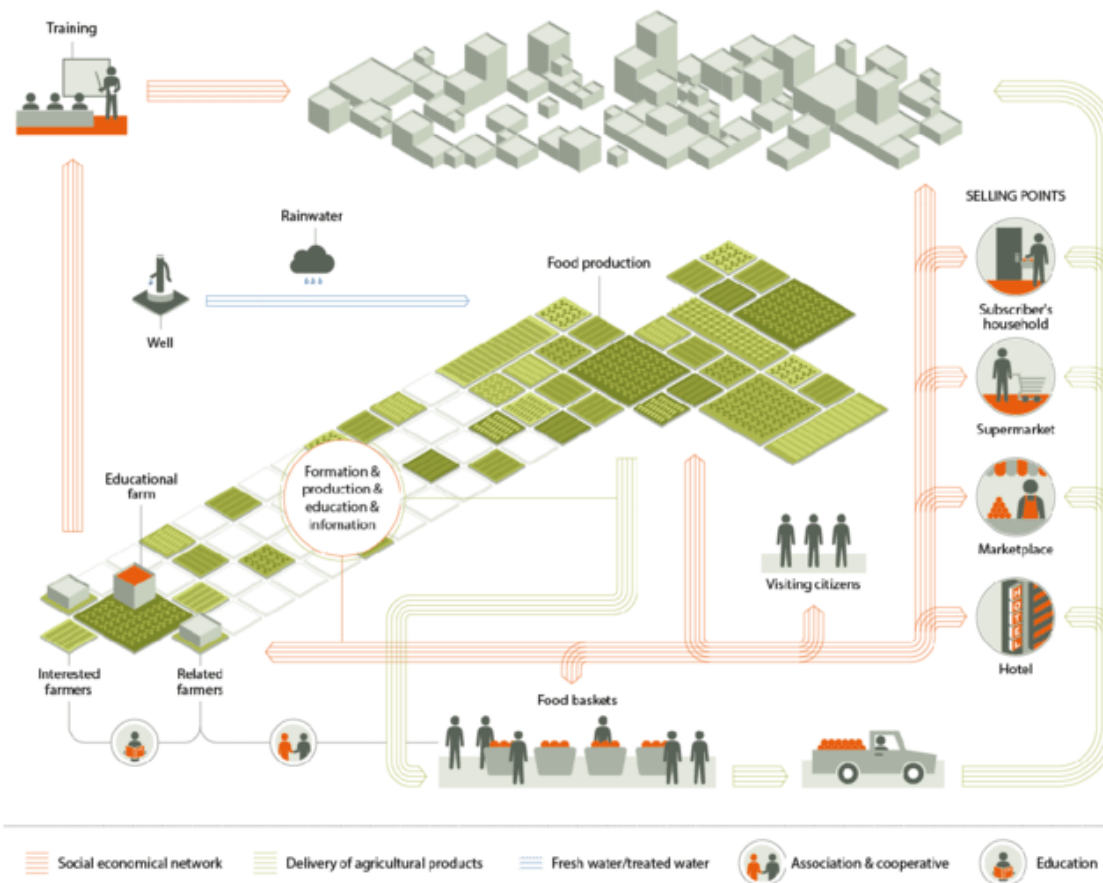
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FIGURE 5.1 Urban Food System Actors and Issues

ri proizvodnje hrane



Urbani sistemi distribucije hrane

sedmica VIII-XI/XV



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Sarajevo, 2019

- Bašte vrtovi slike oblici urbanih proizvodnih sistema

Urbani sistemi distribucije hrane

sedmica X-XV/XV



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Sarajevo, 2019



BUGI

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POLJOPRIVREDNO-PREHMRABENI FAKULTET

Urbana Poljoprivreda

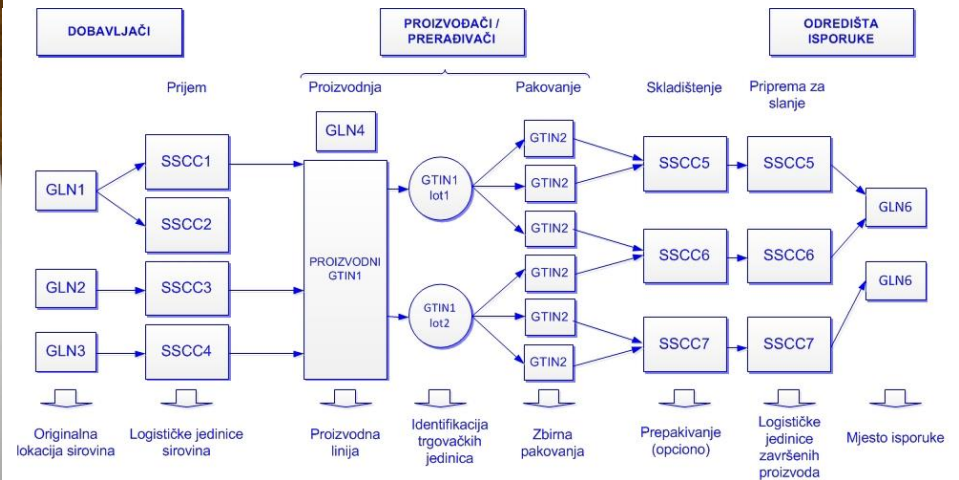
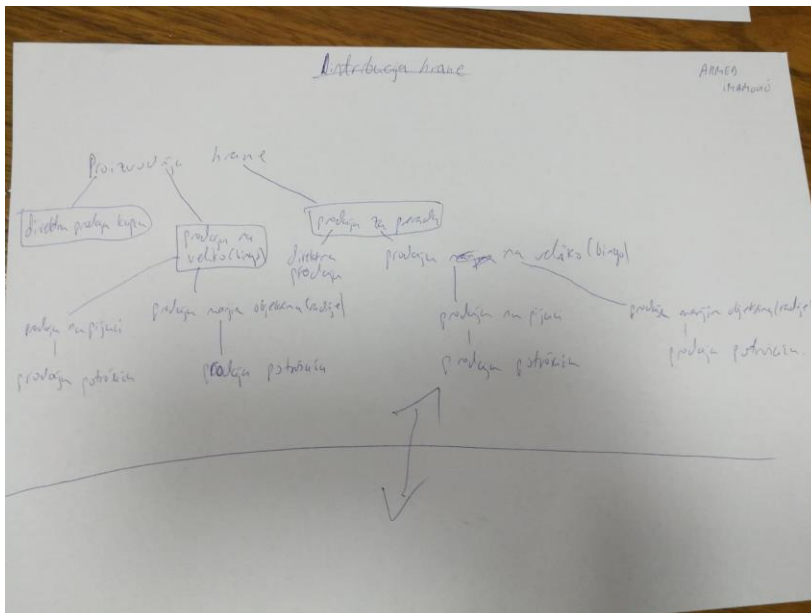
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Student: Ahmed Imamović

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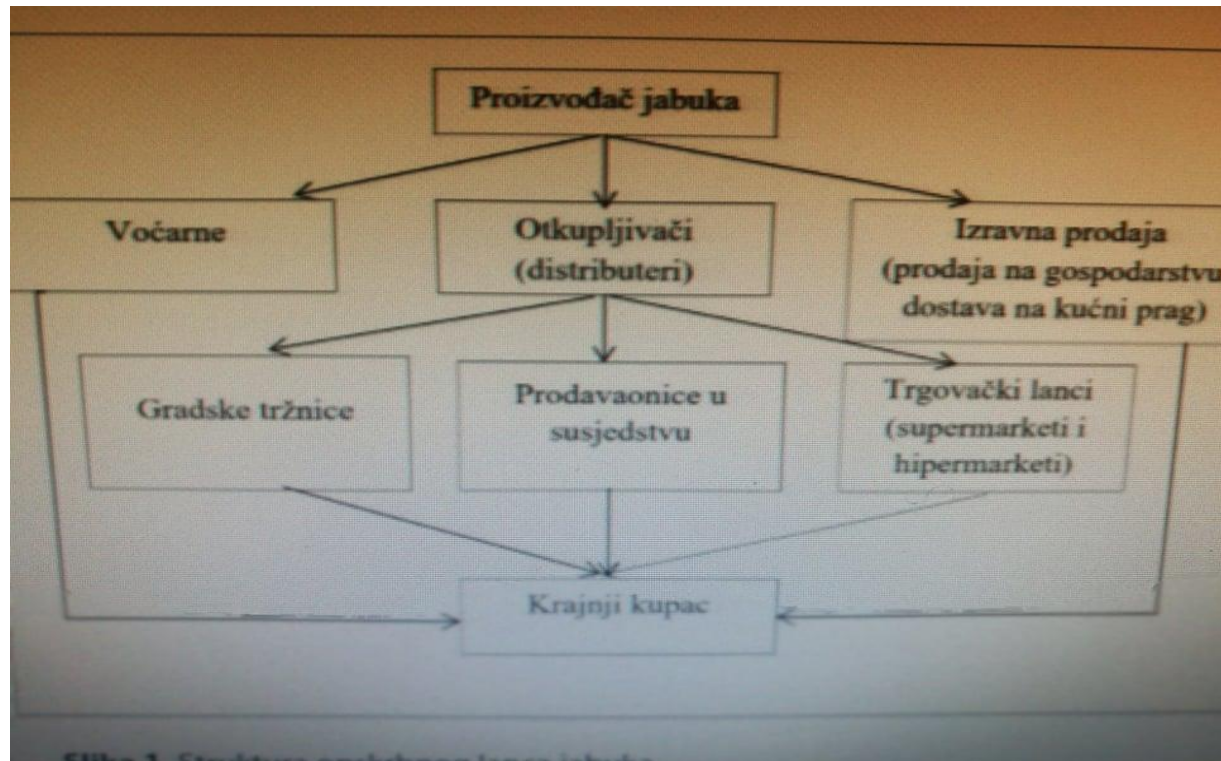
Sistem distribucije hrane



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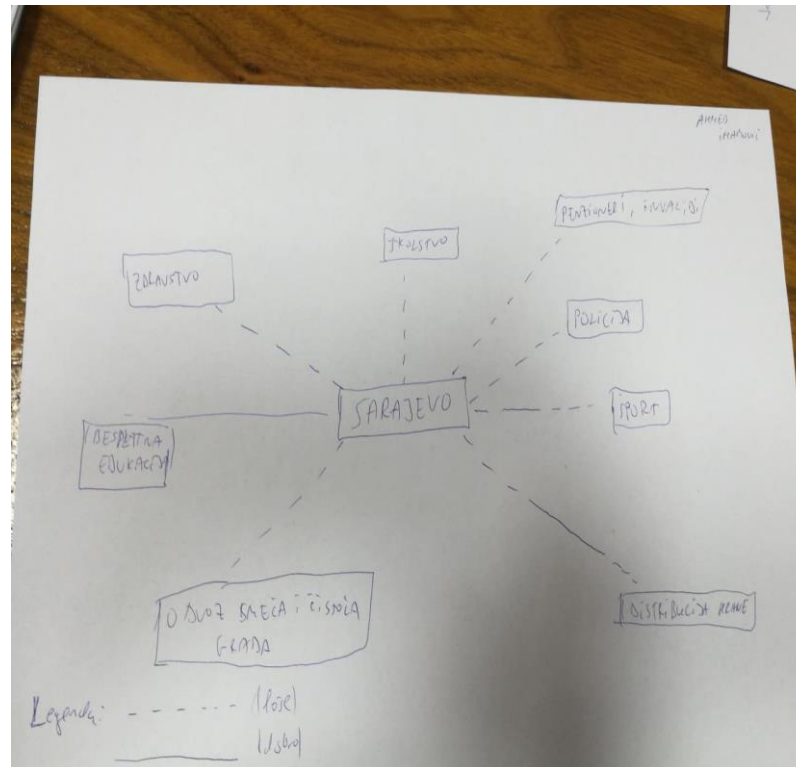
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Primjer distribucije jabuke



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Urbani sistem pametnog grada



Funkcije glavnih kategorija kod pametnih gradova

Pametno upravljanje	Sudjelovanje	Pametna okolina	Zaštita okoliša i upravljanje resursima
	Transparentnost i informacijska dostupnost		Energetska efikasnost
	Javne i socijalne usluge		Urbansko planiranje i urbano obnavljanje
	Više razina upravljanja		Pametne građevine i građevinske renovacije
Pametno gospodarstvo	Poduzetništvo	Pametni ljudi	Inkluzivno društvo
	Inovacija		Digitalna edukacija
	Lokalna i globalna međupovezanost		Kreativnost
	Produktivnost		ICT - omogućiti rad
Pametna mobilnost	Fleksibilnost tržišta rada	Pametno življenje	Građenje društva i urbani životni menadžment
	Upravljanje prometa		Turizam
	Javni prijevoz		Zdravstvo
	Logistika		Kultura i slobodno vrijeme
	ICT Infrastruktura		Sigurnost
	Pristupnost		Dostupnost tehnologije
	Čiste, ne motorizirane opcije		Blagostanja i socijalne uključenosti
	Multimodalnost		Upravljanjem javnim prostorima

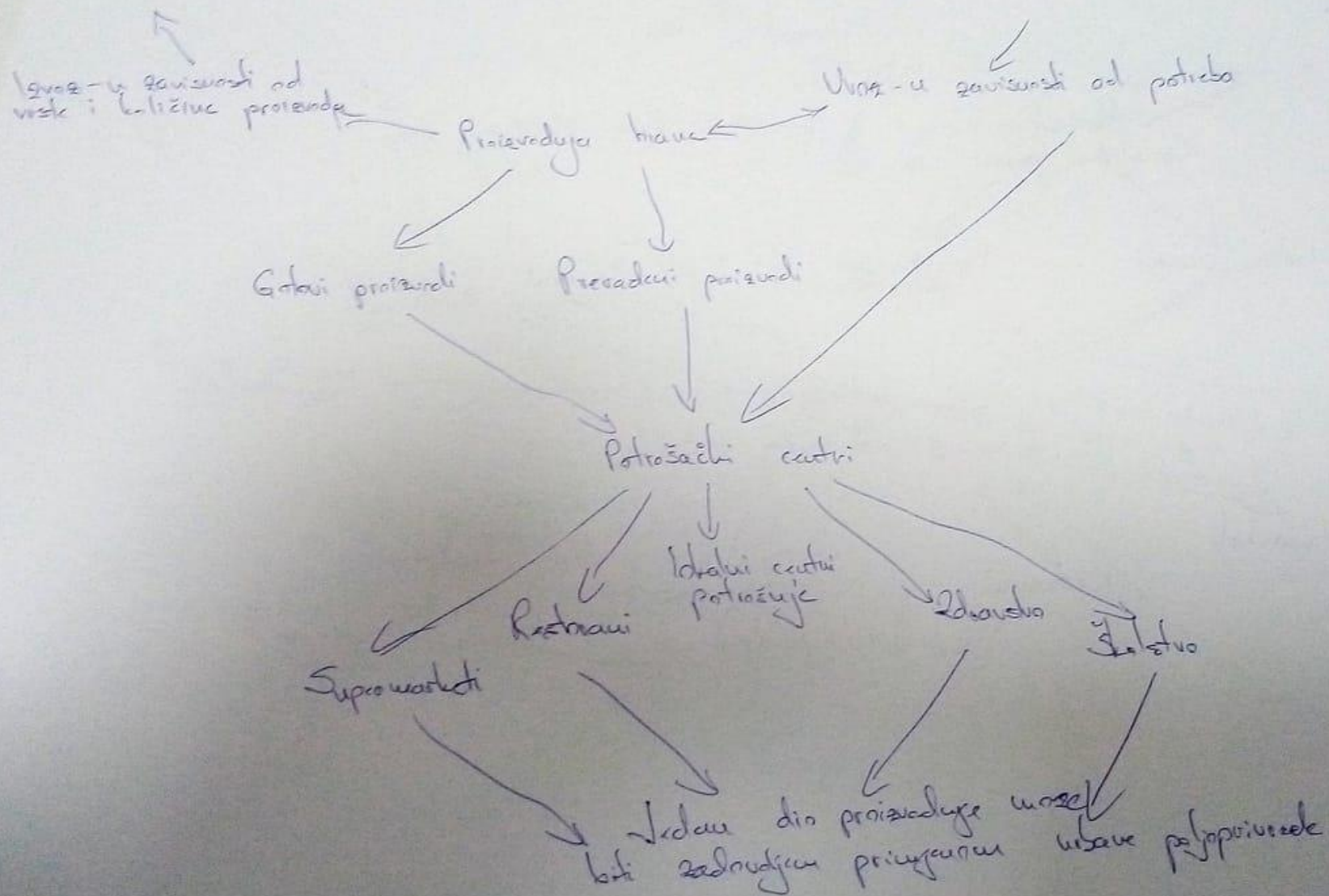
POLJOPRIVREDNO – PREHRAMBENI FAKULTET

Urbana poljoprivreda

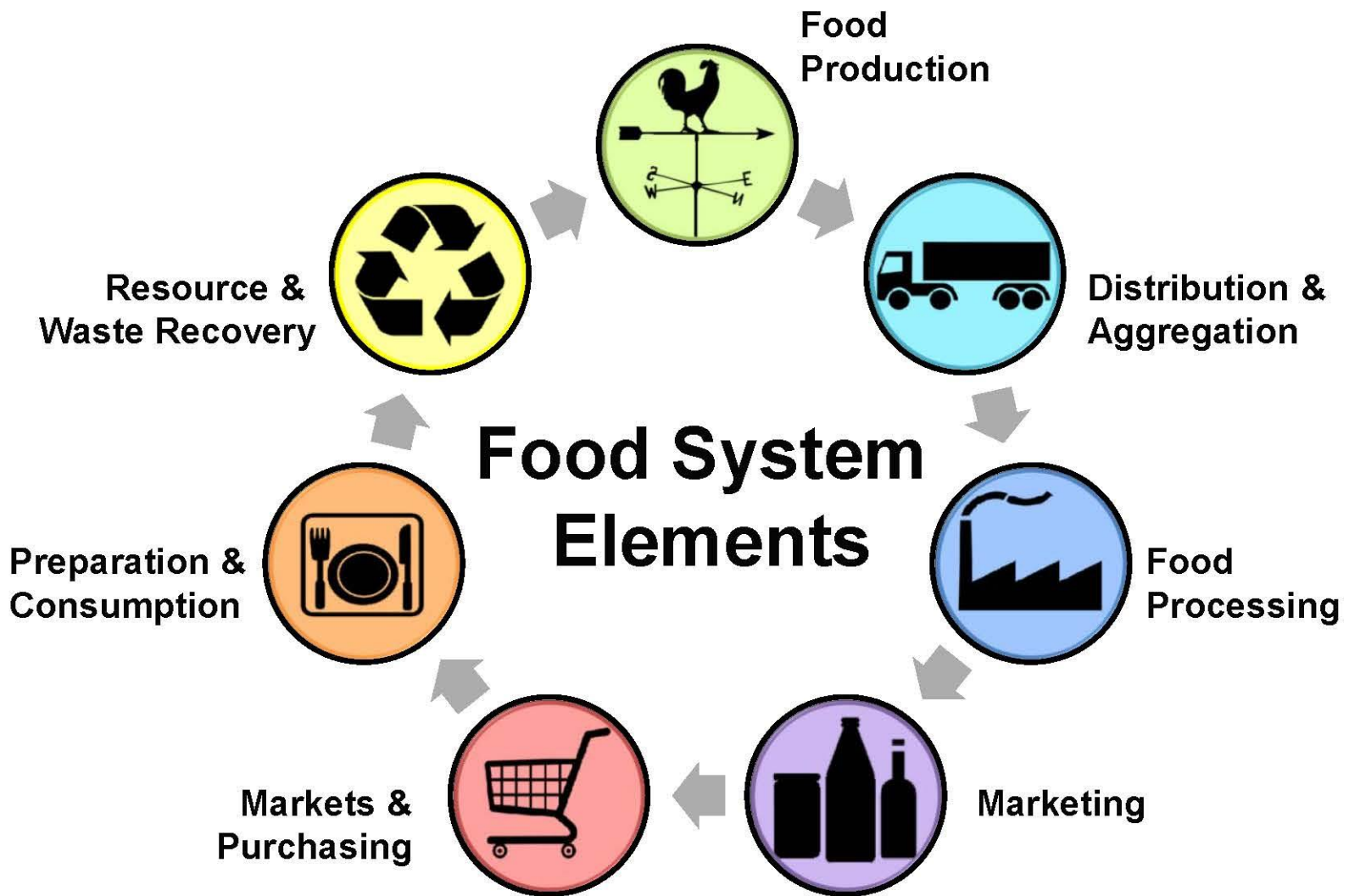
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Student: Ahmo Jusić





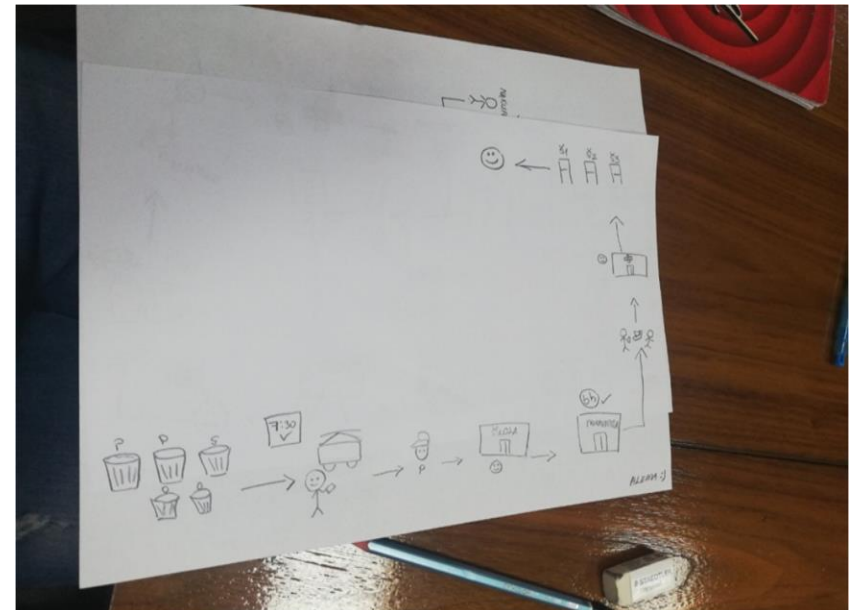
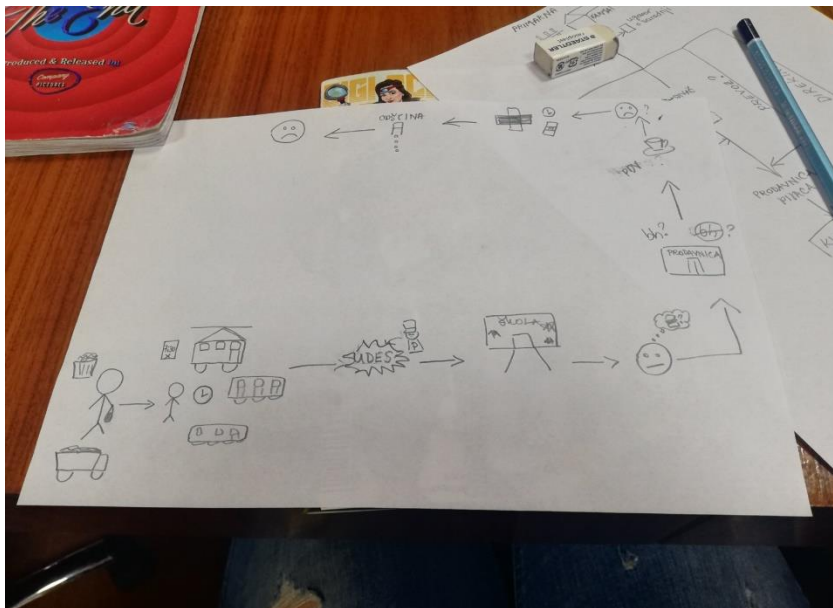


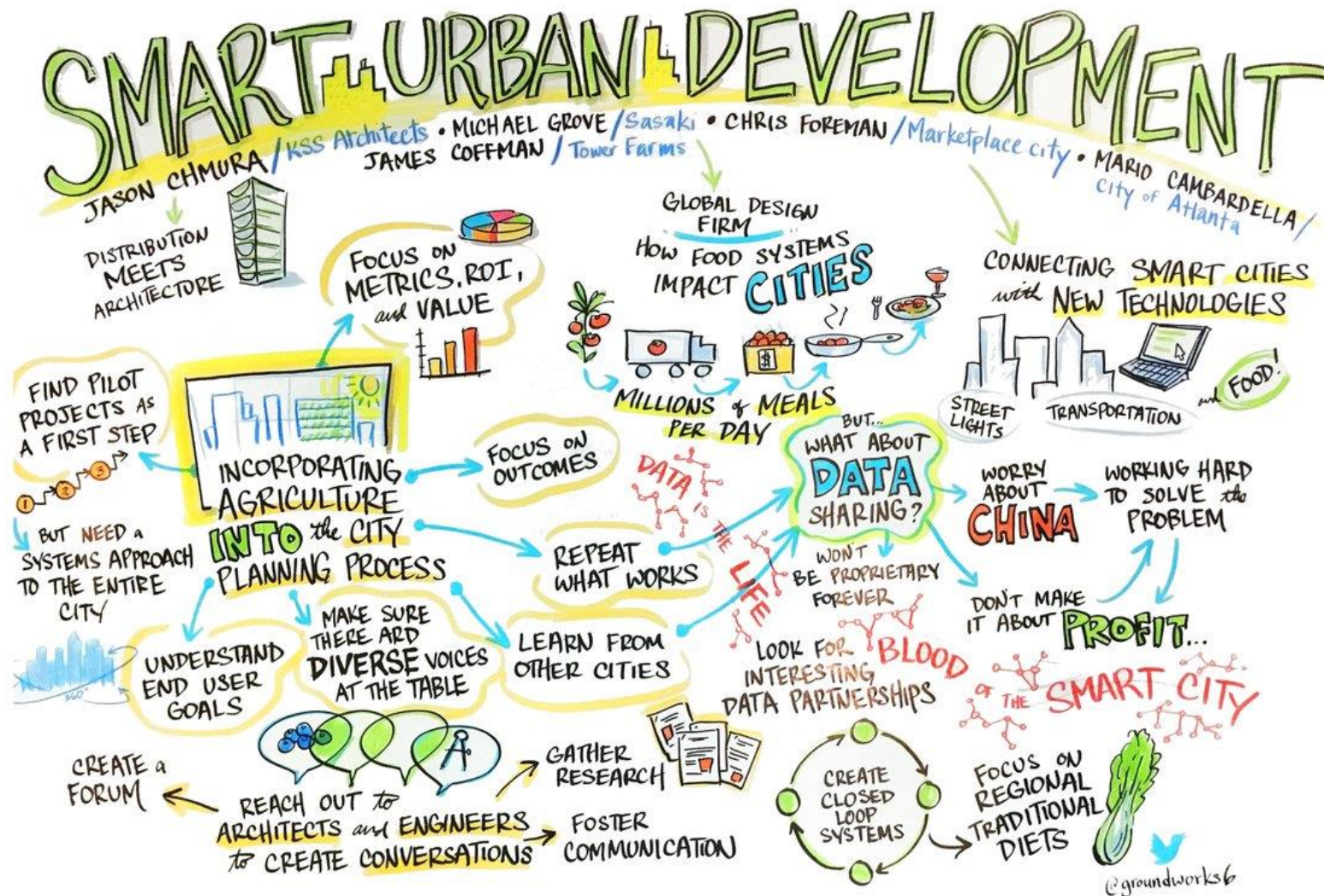
Adapted by Christy Shi, Center for Environmental Farming Systems.

From: Wilkins, J. and Eames-Sheavly, M. Discovering the Food System; An experiential learning program for young and inquiring minds. Cornell University, Departments of Nutritional Science and Horticulture. <http://www.discoverfoodsys.cornell.edu/>

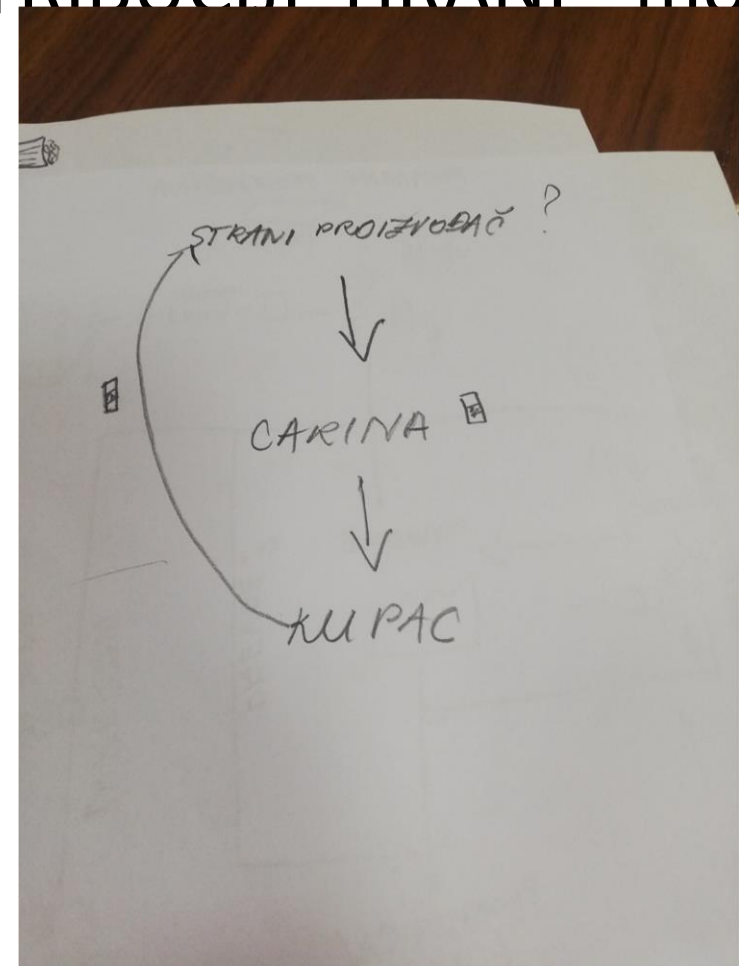
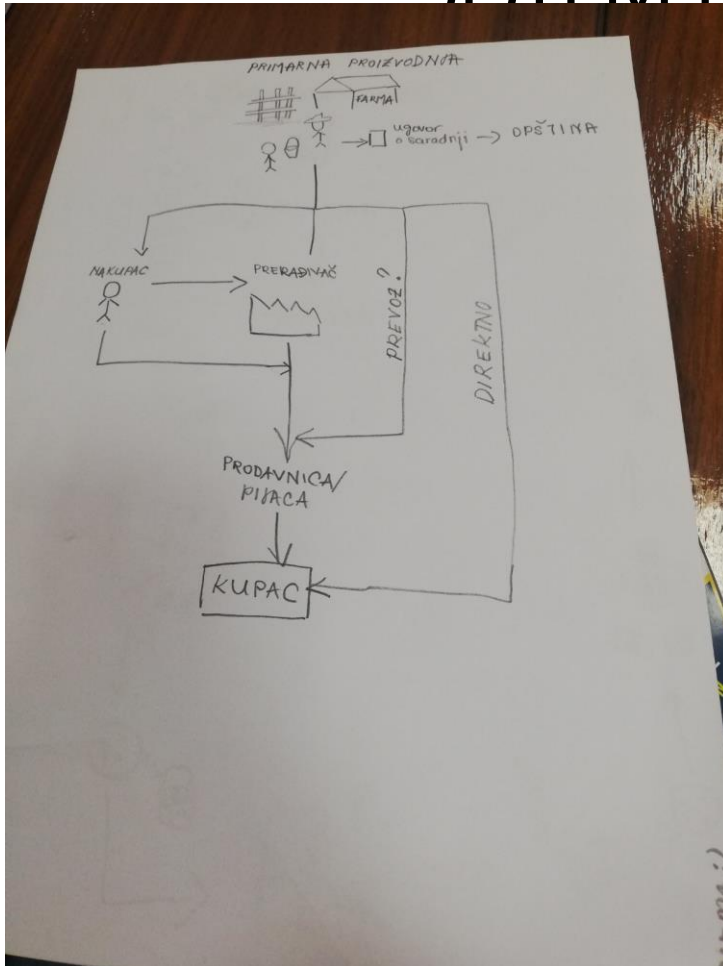
URBANI SISTEM DISTRIBUCIJE

Alema Puzović

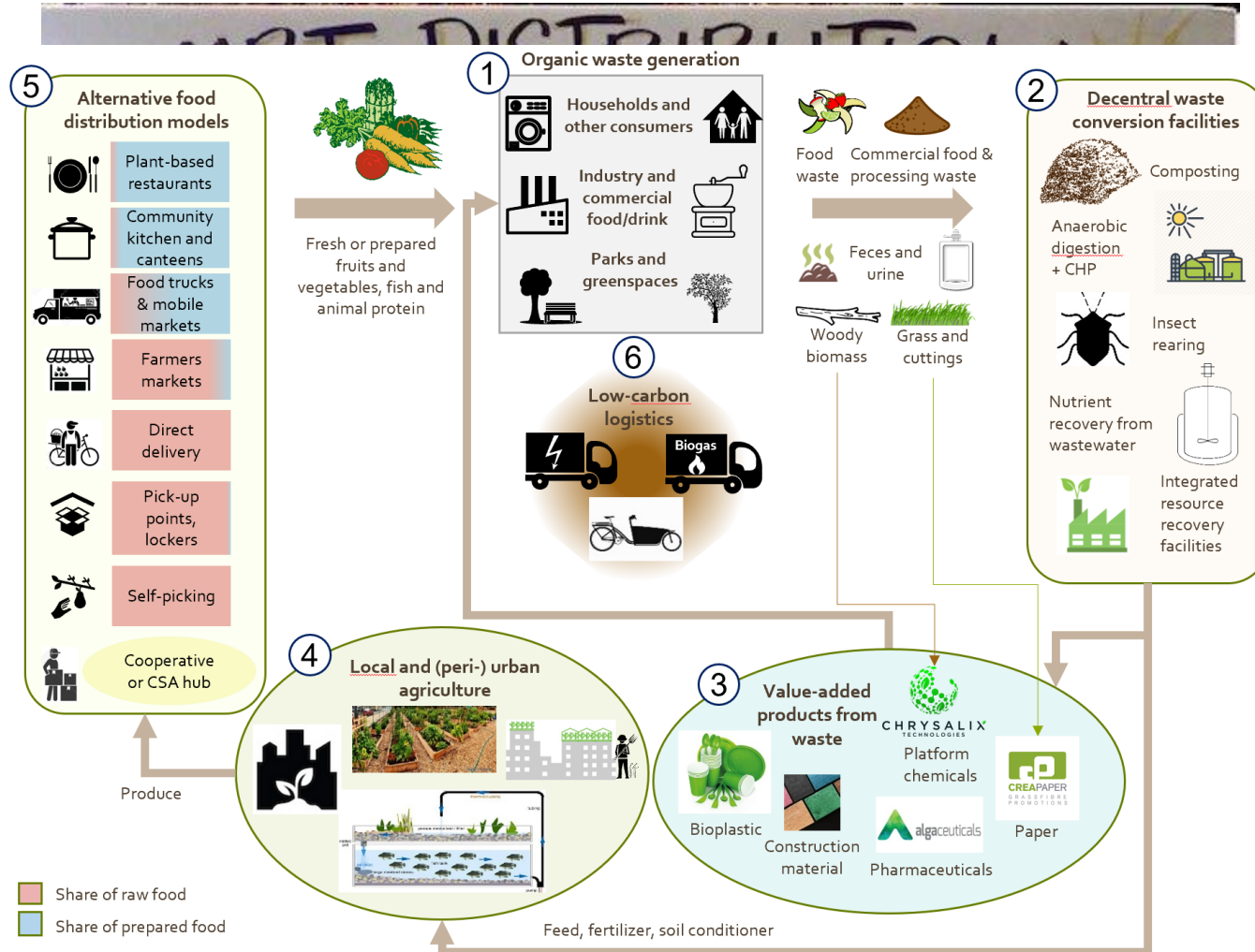




SISTEM DISTRIBUCIJE HRANE- moj



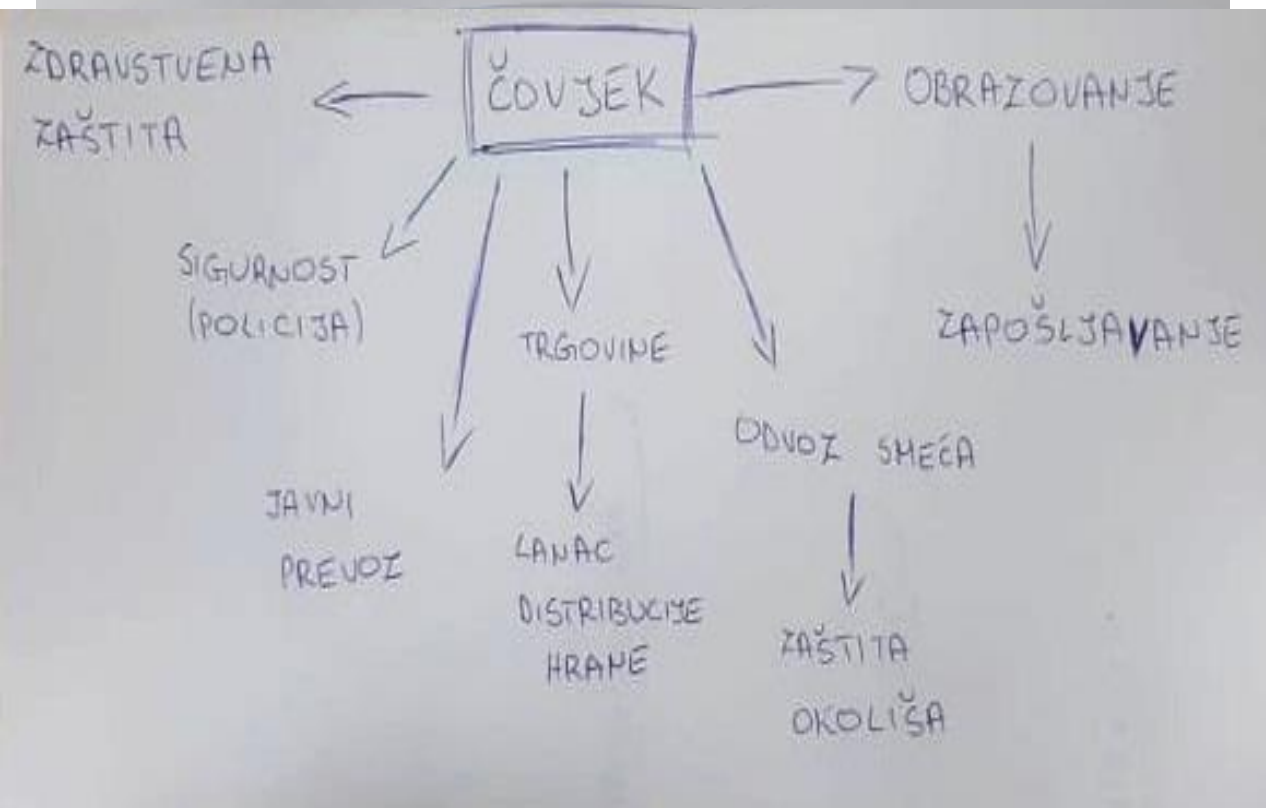
SISTEM DISTRIBUCIJE HRANE-





URBANI SISTEM I SISTEM DISTRIBUCIJE HRANE

AMINA VILIĆ



Mislila sam da
urbani sistem
izgleda ovako...

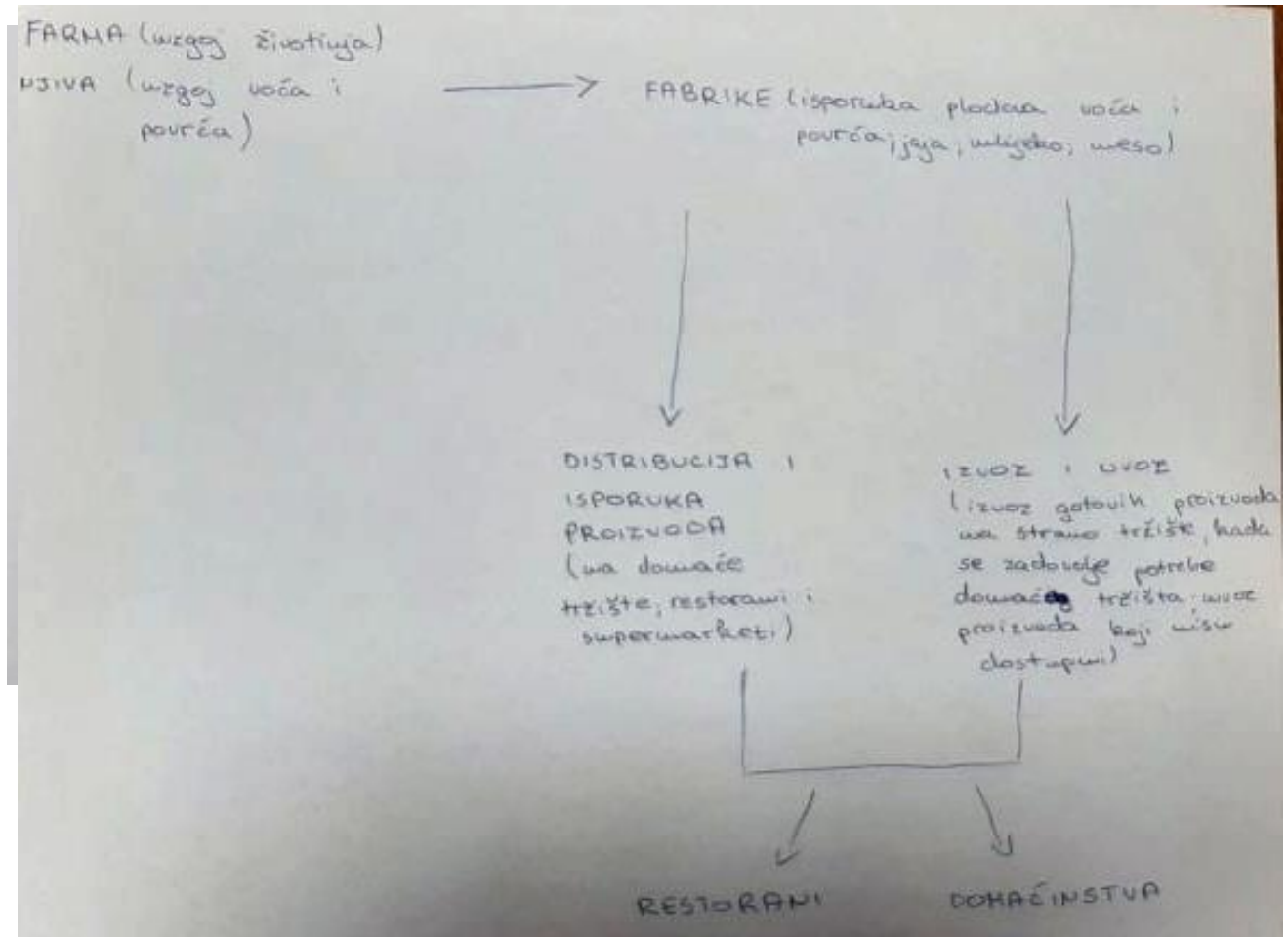
Mislila sam da
urbani sistem
treba izgledati
ovako...



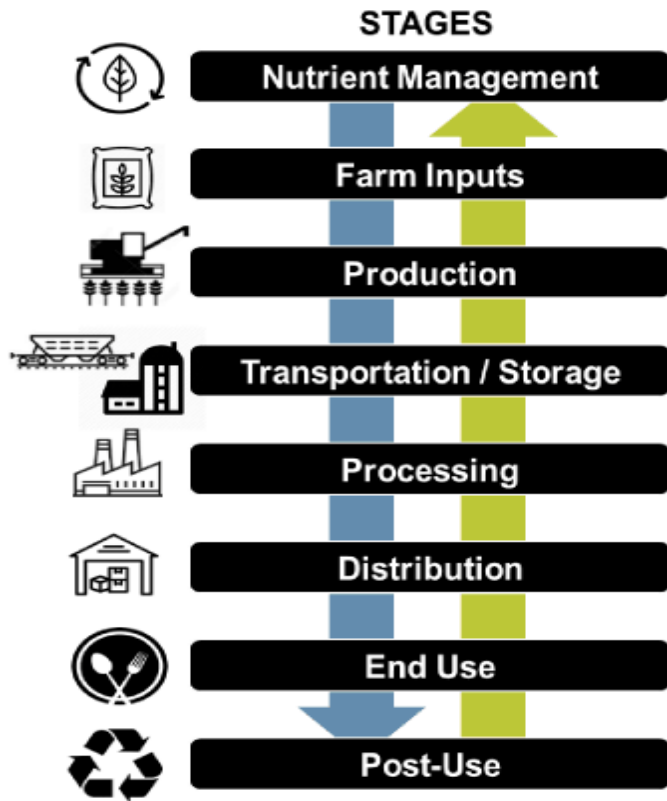
A urbani
sistem izgleda
ovako

Kako sam
zamišljala
sistem
distribucije
hrane...

Mislila sam
da sistem
distribucije
hrane treba
izgledati
ovako...



Sistem distribucije hrane



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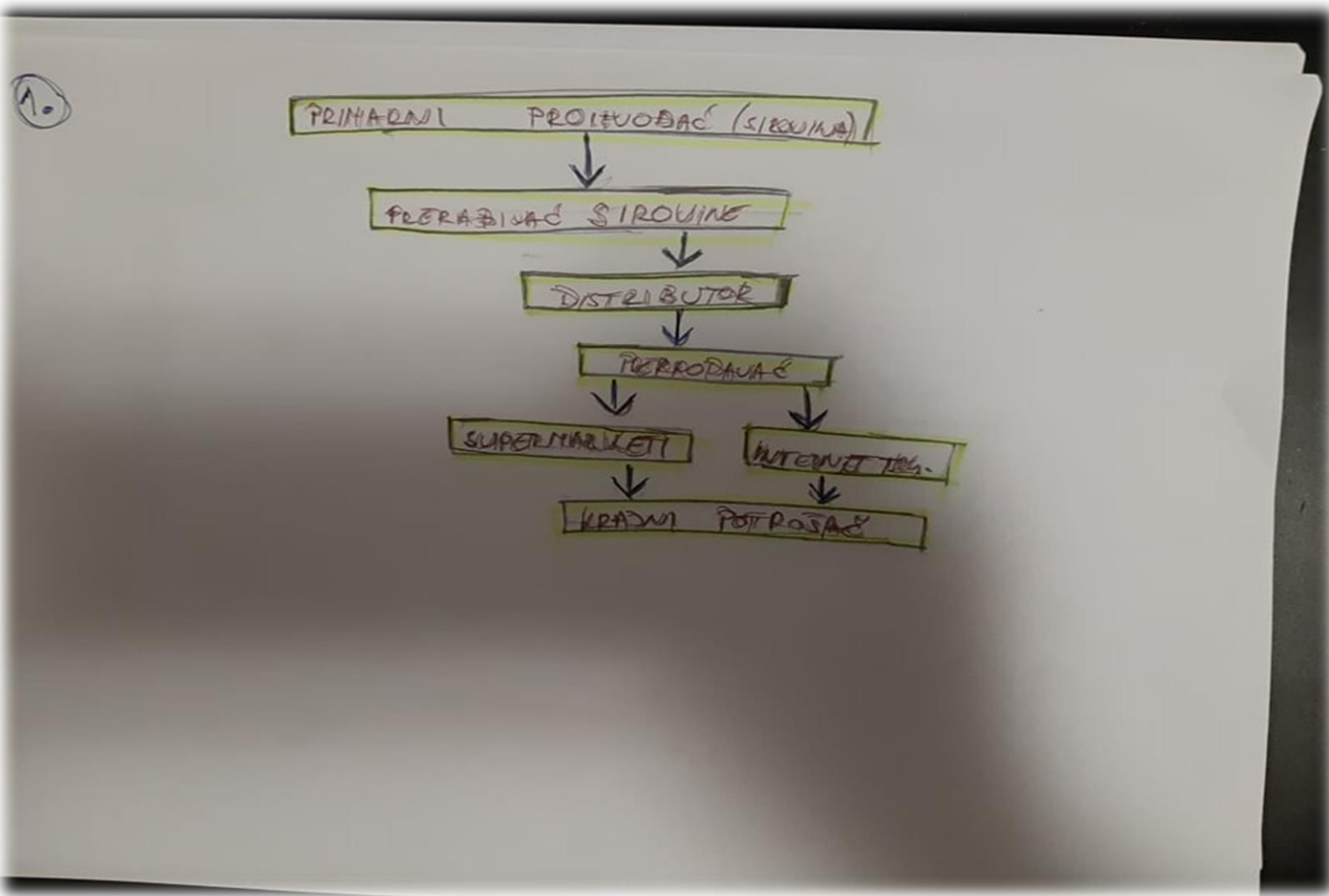
URBANI SISTEMI DISTRIBUCIJE HRANE

MENTOR: Doc.dr. Mirza Uzunović

STUDENT: Damir Hadžić

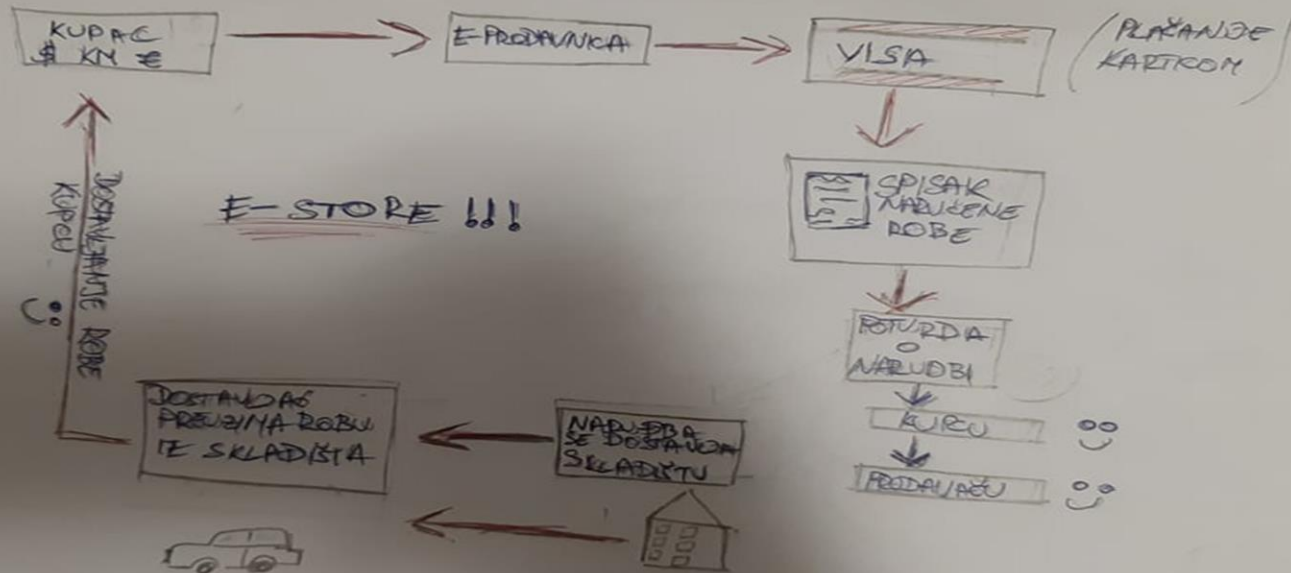
PRIMJER URBANOG SISTEMA DISTRIBUCIJE HRANE

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PRIMER URBANOG SISTEMA DISTRIBUCIJE HRANE

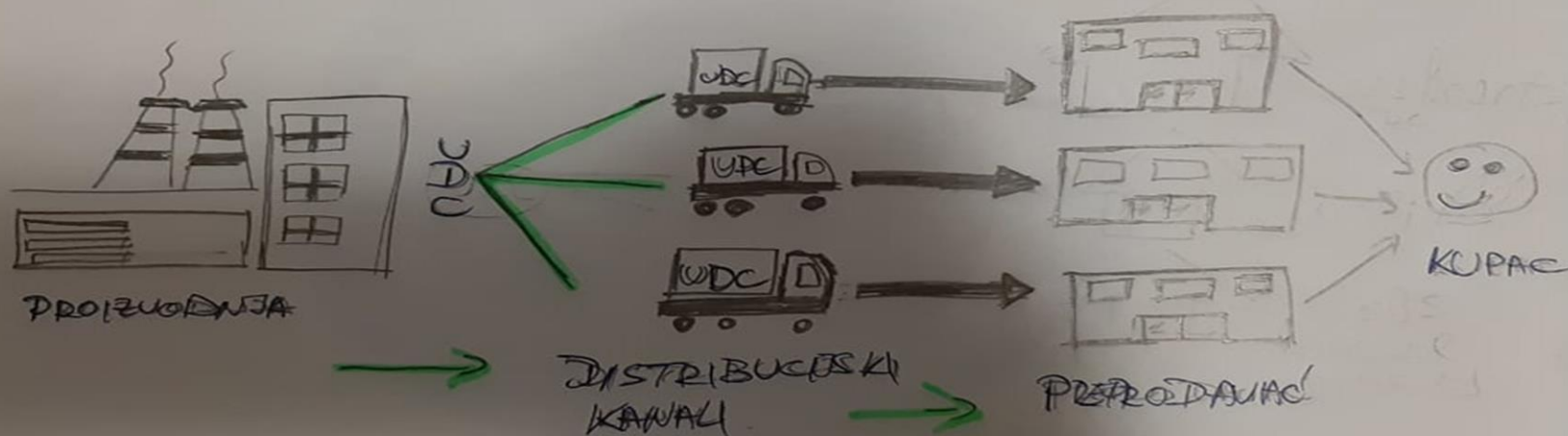
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PRIMJER URBANOG SISTEMA DISTRIBUCIJE HRANE

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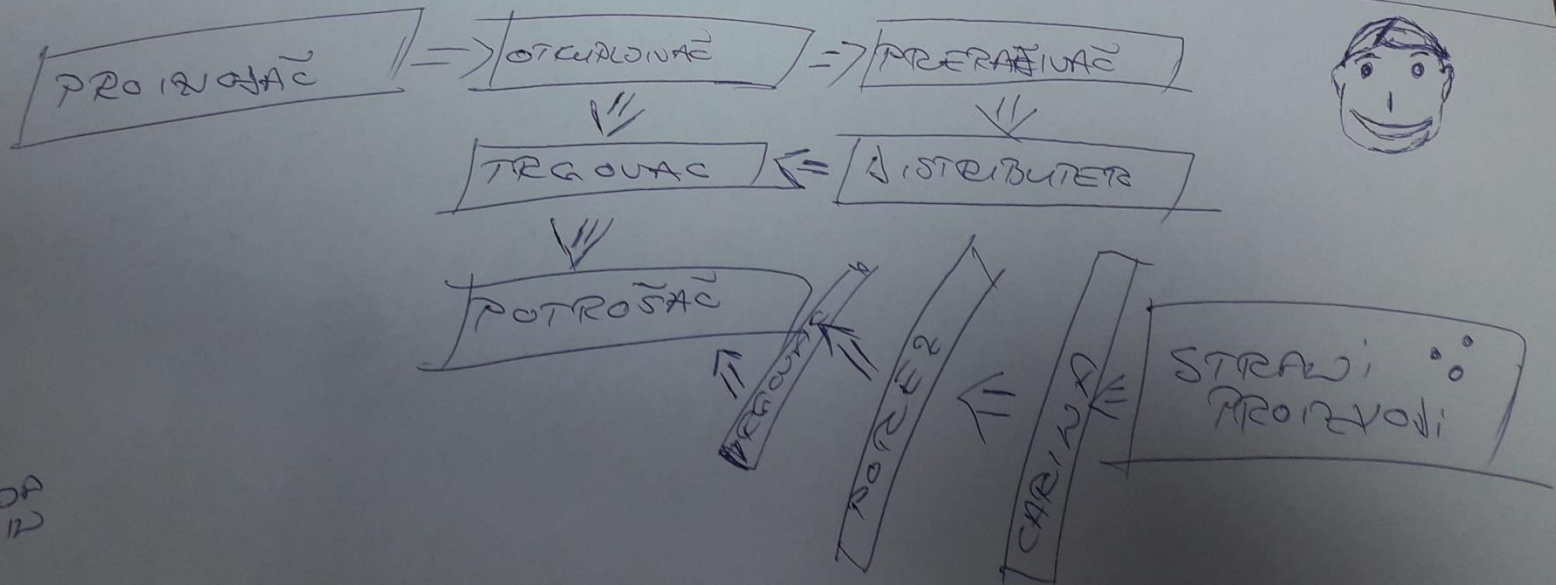
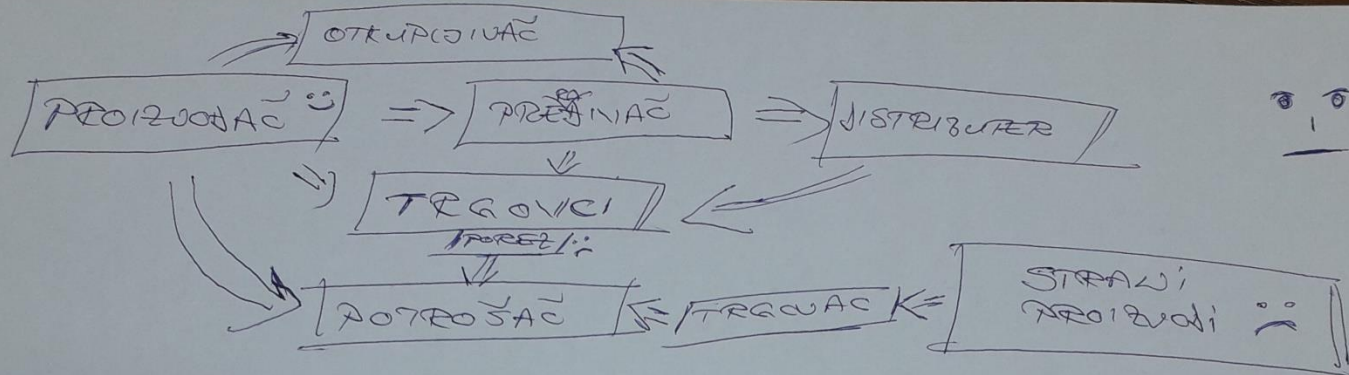
Urban distribution channel.



Kako ja vidim urbani sistem



Kako vidim sistem distribucije hrane



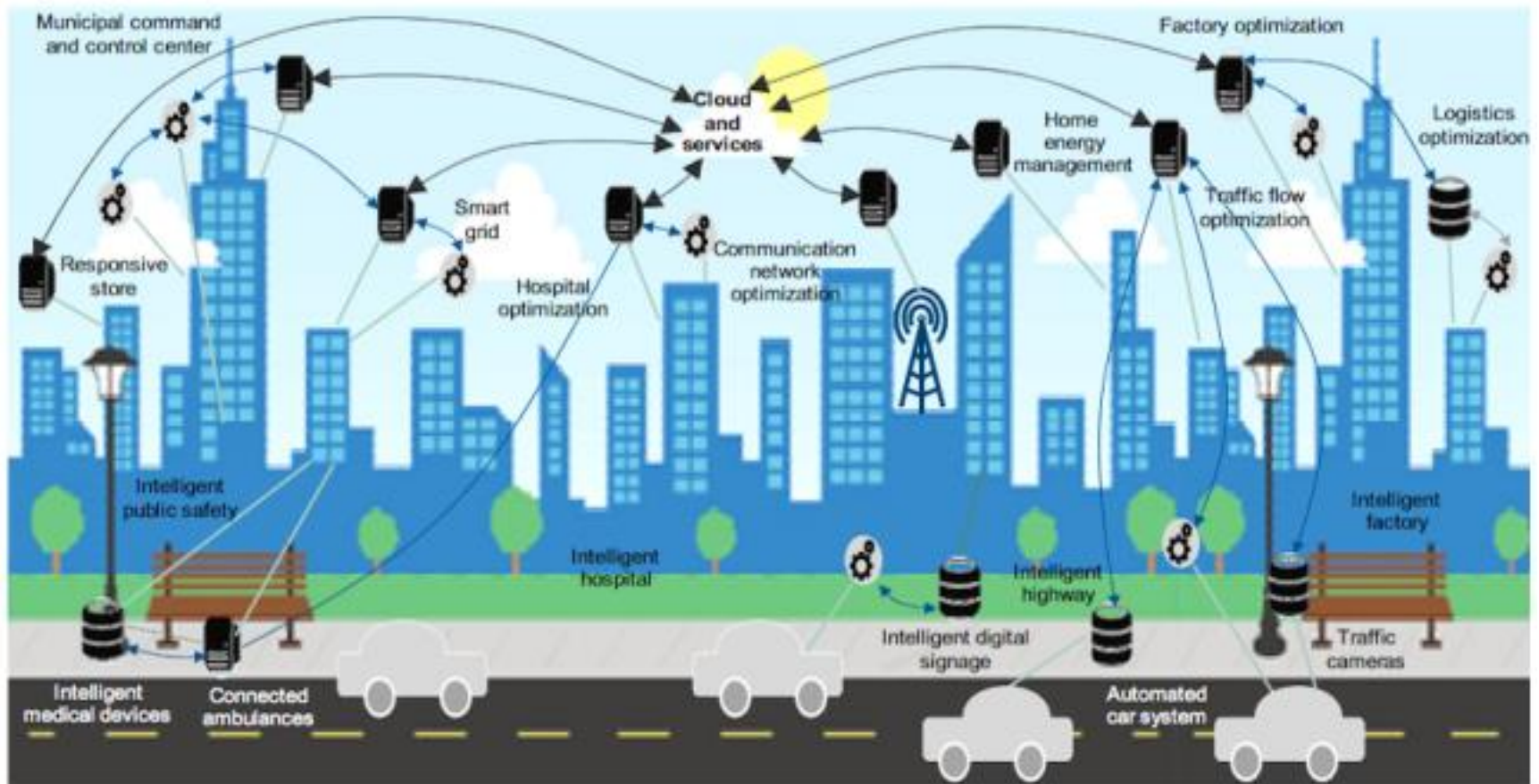
BEŽICA
ELEMI



Urbani sistem potreba

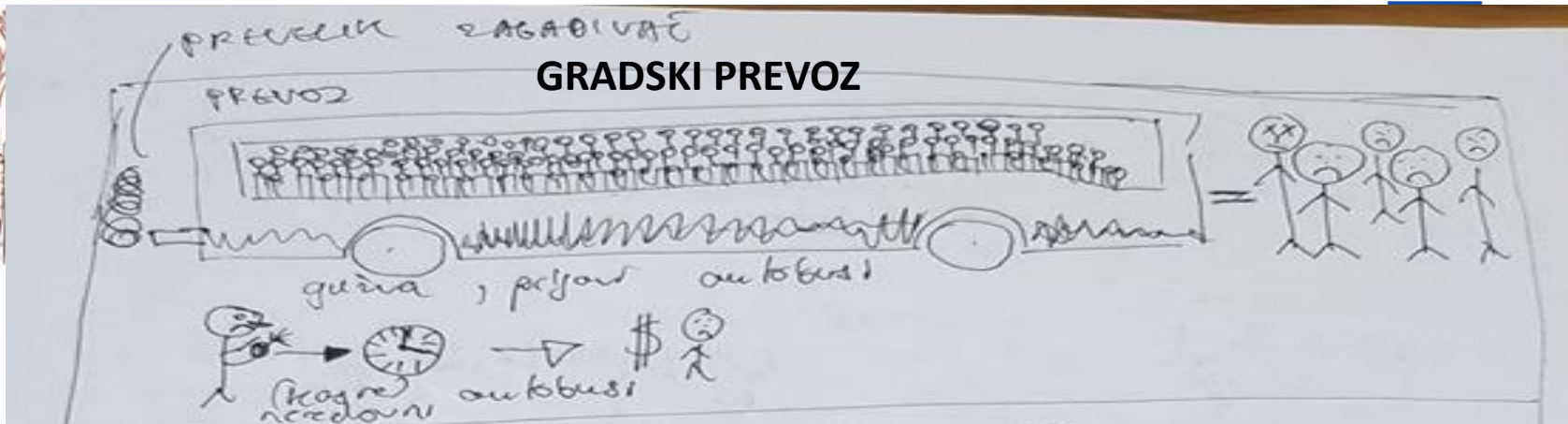


Sistem pametnog grada

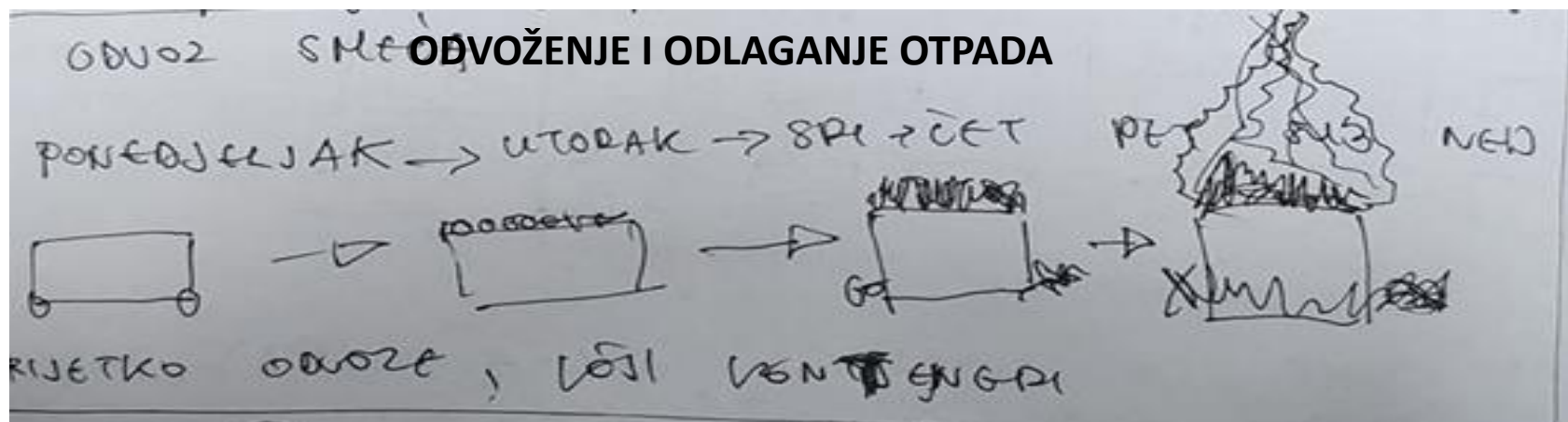


Urbani sistemi i sistemi distribucije hrane

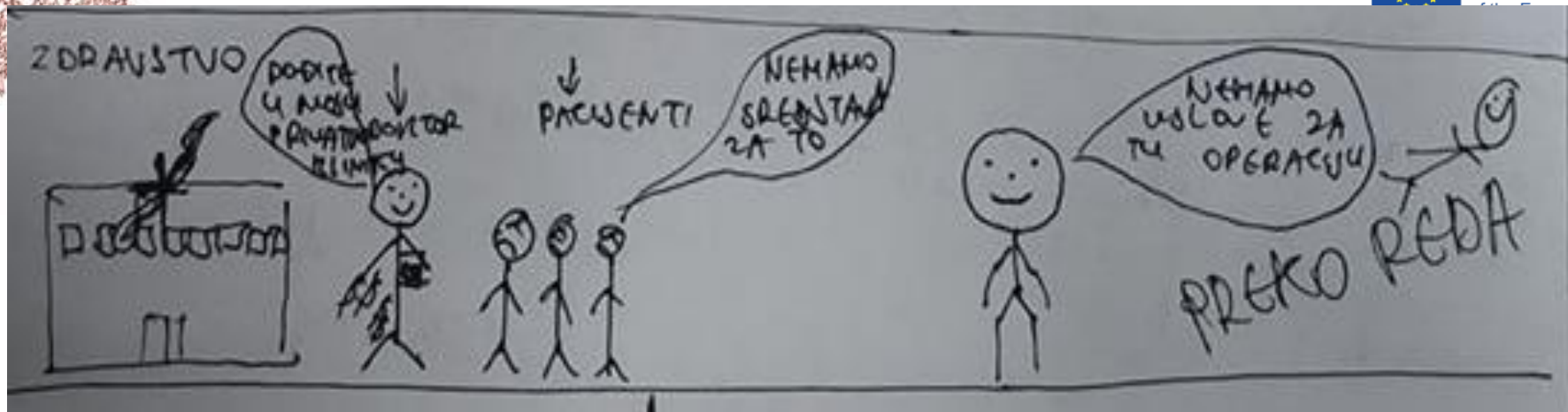
Nahid Jusupović



Najveći uzrok nezadovoljstva u urbanoj sredini je obično prevoz, što je slučaj i u Sarajevu. Prljava sjedišta, velika gužva u prevoznim sredstvima zbog neredovnih vožnji uzrokuje nezadovoljstvo među korisnicima javnog prevoza, a karte su za takve uslove preskupe.



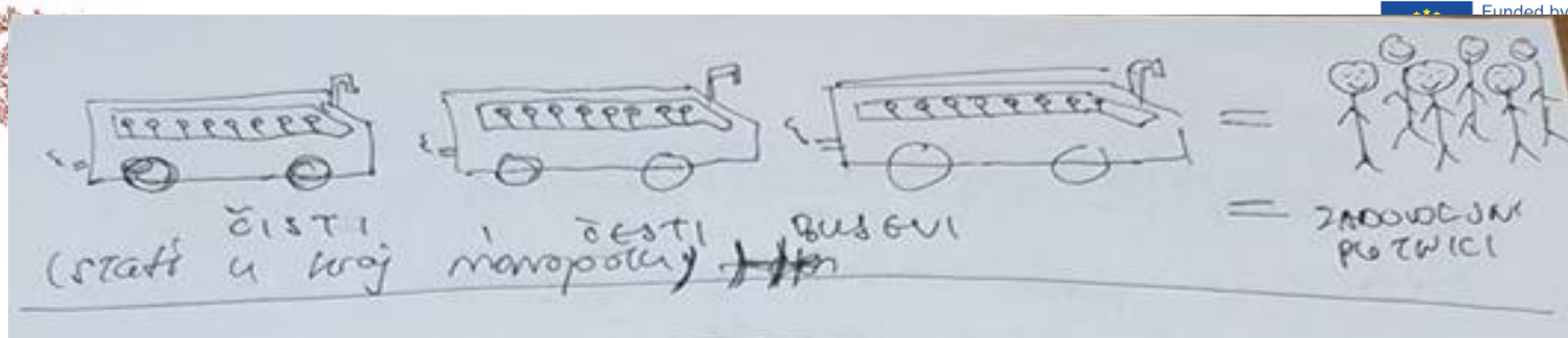
Zbog neredovnog odvoženja otpada dolazi do prenagomilavanja smeća u kontejnerima, što uzrokuje nezadovoljstvo kod građana, a samim tim se i stvaraju nepovoljni uslovi življenja. Dok se odlaganje vrši na deponijama, koje se nalaze na lošim mjestima.



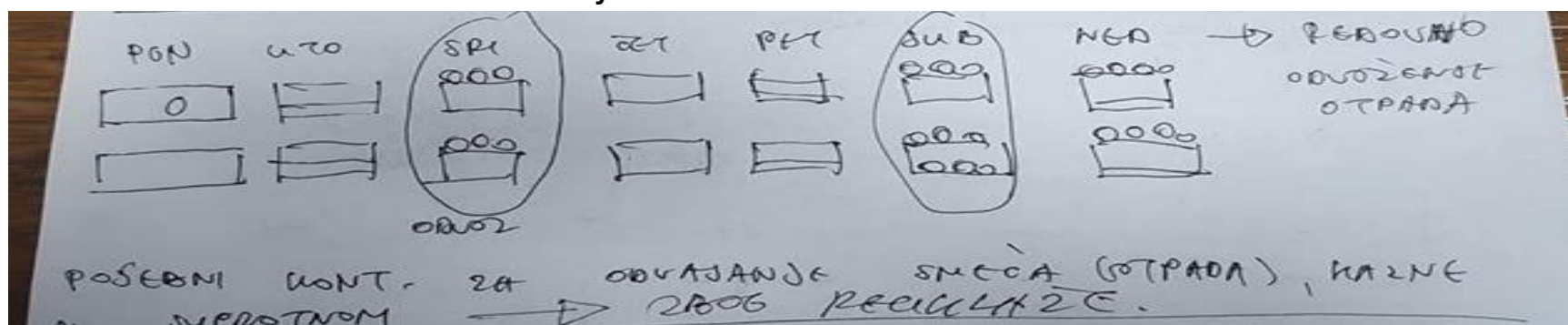
Situacija u zdravstvu je gora iz godine u godinu, česti štrajkovi, nedostatak materijala, i uslova za liječenje pacijenata veliki je uzrok nezadovoljstva kod građana. Državne bolnice propadaju, dok su privatne klinike u razvoju.



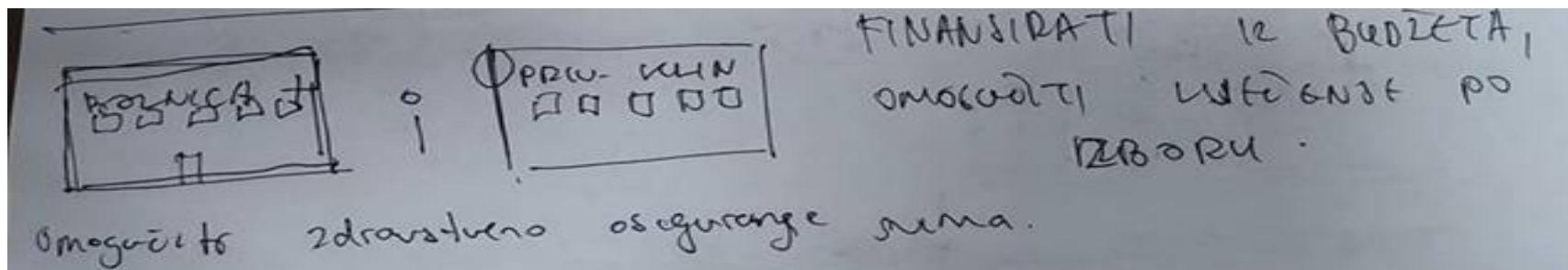
Distribucija hrane obično kreće od malih proizvođača (u ruralnim područjima), gdje velike kompanije kao što su Bingo ili Konzum, za mizerne cijene eksploatišu male proizvođače, zbog čega dolazi do nezadovoljstva i napuštanja poljoprivrede, a povećanja uvoza stranih proizvoda.



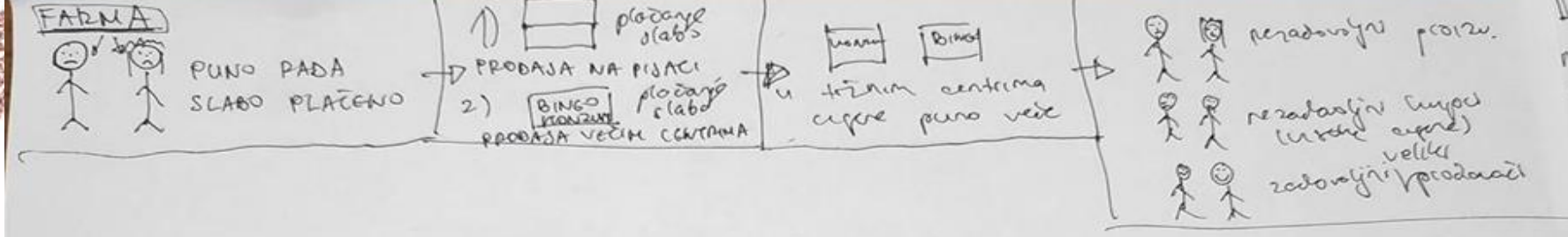
Povećanje broja busova po jedinici vremena i održavanje čistoće u samim prevoznim sredstvima uzrokovalo bi zadovoljstvo korisnika.



Redovniji odvoz otpada smanjio bi nezadovoljstvo građana, a specijalni kontejneri za odvajanje otpada za reciklažu smanjio bi količinu smeća na deponijama.



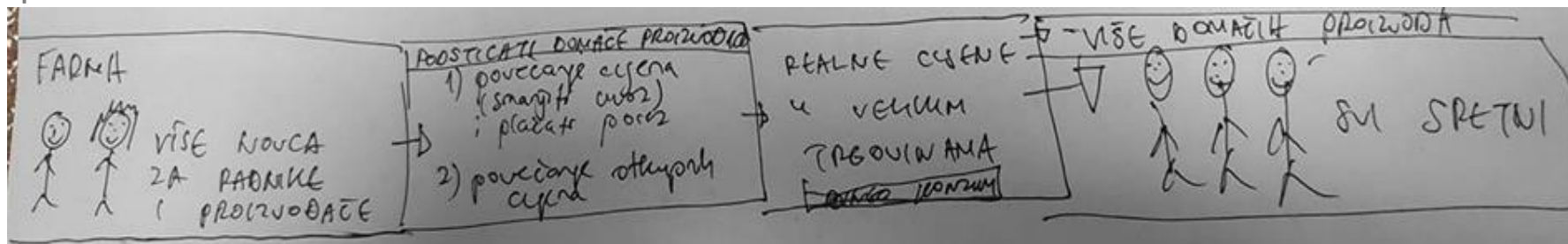
Omogućivanje zdravstvenog osiguranja svim ljudima, povećalo bi zadovoljstvo građana, također potrebno je omogućiti i liječenje po izboru (finansirati sve klinike iz budžeta).



Puno rada, a mala zarada uzrokuje nezadovoljstvo među farmerima, prisiljeni su da prodaju na pijacama, ili većim kompanijama za male cijene, koje nakon otkupa rastu na policama većih trgovina. Ovo uzrokuje nezadovoljstvo i kod farmera i kod kupaca.



Što se tiče uvoza hrane, pravi se velika konkurencija domaćim farmerima i proizvodima, što narušava domaću proizvodnju i ekonomiju (farmeri prisiljeni spustiti cijenu proizvoda). Ovo uzrokuje napuštanje farmi, povećanje uvoza i više stranih proizvoda na policama.



Više novca za farmere (proizvođače hrane), smanjenje uvoza, povećanje otkupnih cijena, postavljanje realnih cijena u velikim trgovinama podstiče proizvodnju, više je domaćih proizvoda i svi su zadovoljni.

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