

Supplementary Material 4

Cognitive Maps Across Multiple Social Sectors: Shared and Unique Perceptions on the Quality

Denise Arroyo-Lambaer, Adriana Uscanga, Víctor M. Piña Tejeda, Valeria Vázquez Barrios, Frédérique Reverchon, Julieta A. Rosell, Ana E. Escalante, Víctor M. Peña-Ramírez, Mariana Benítez and Ana Wegier.

Exclusive concepts per sector

Lists of the exclusive concepts per sector. The concepts are organized according to the categories of aspects and practices.

Social sectors				
	MBP	CAP	CSO	FG
Environmental aspects	1. Bean 2. Cattle 3. Compacted and cemented-geological horizon 4. Hard soil 5. Maize 6. Prickly pear 7. Rain 8. Region vegetation 9. Sandy soil 10. Seeds 11. Soil 12. Stones 13. The sowing burns or withers 14. Time	1. Biodiversity 2. Clay soil 3. Conservation 4. Crop ageing 5. Earthworms 6. Ecosystem balance 7. Faulty tree growth 8. Fertile soil 9. Gravel 10. Insects 11. Lightning and thunder 12. Nematode 13. Pastures 14. Permeable soil 15. Roots 16. Soil acidification 17. Soil layers 18. Sun (sun rays) 19. Temperature 20. Tree shade 21. True white grub/May beetle larvae	1. Biodiversity loss 2. Climate change 3. Crop vulnerability 4. Ecosystems diversity 5. Highlands 6. Impacts on human health 7. Period of the year when heat is strongest 8. Protected natural areas 9. Rainfall irregularity 10. Secondary vegetation 11. Variety of soils 12. Vegetation cover loss 13. Water retention loss	1. Aquifers recharge 2. Degradation (biological, physical, chemical) 3. Desertification 4. Eutrophication 5. Forest fire 6. Low moisture retention 7. Soil aggregates 8. Water infiltration 9. Water salinization
Socio-cultural aspects	-	22. Planning 23. Training	14. Community annual calendar 15. Courage to remain a peasant 16. Locally adapted practices	10. Corruption 11. Distrust of government programs 12. Illicit crop cultivation 13. Landowner decisions

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			17. Traditional methods to predict long-term weather 18. Work of non-governmental institutions	14. Land tenure 15. Poverty 16. Water distribution (uses)
Public policy and programs	-	-	19. Mining	17. Government programs inefficiency 18. Irrigation district concession 19. Lack of continuity of programs 20. Poor watershed management 21. Taxes
Financial aspects	-	24. Commercialization in conventional market 25. Commercialization in gourmet market 26. Fruit price 27. Investment 28. Product quality 29. Profit	20. Market demands 21. Remittances	22. Cost-benefit 23. Low production 24. Economic output
Technological aspects	-	-	22. Transgenic	-
Practices focused on water	15. Irrigation 16. Water accumulation techniques	-	-	25. Aquifers over-exploitation 26. Gully erosion 27. Irrigation systems efficiency 28. Irrigation systems technification
Practices focused on soil	-	30. Drainage technique 31. Fertilization planning 32. Level curves	23. Green fertilizer 24. Groundwater contamination 25. Soil restoration	29. Vegetation protection and coverage

	17. Burning 18. Sowing	33. Agrochemical inputs 34. Beneficial microorganisms 35. Biological control 36. Crop diversification 37. Grafting 38. Fungicide 39. Harmful microorganisms 40. Pruning 41. Soil oxygenation 42. Tolerant variety to pests and diseases 43. Weeding	26. Pesticide	30. Abuse in the use of agrochemicals