

System dynamics modelling of waste management system

نمذجة ديناميات النظام (system dynamics) لنظام إدارة النفايات

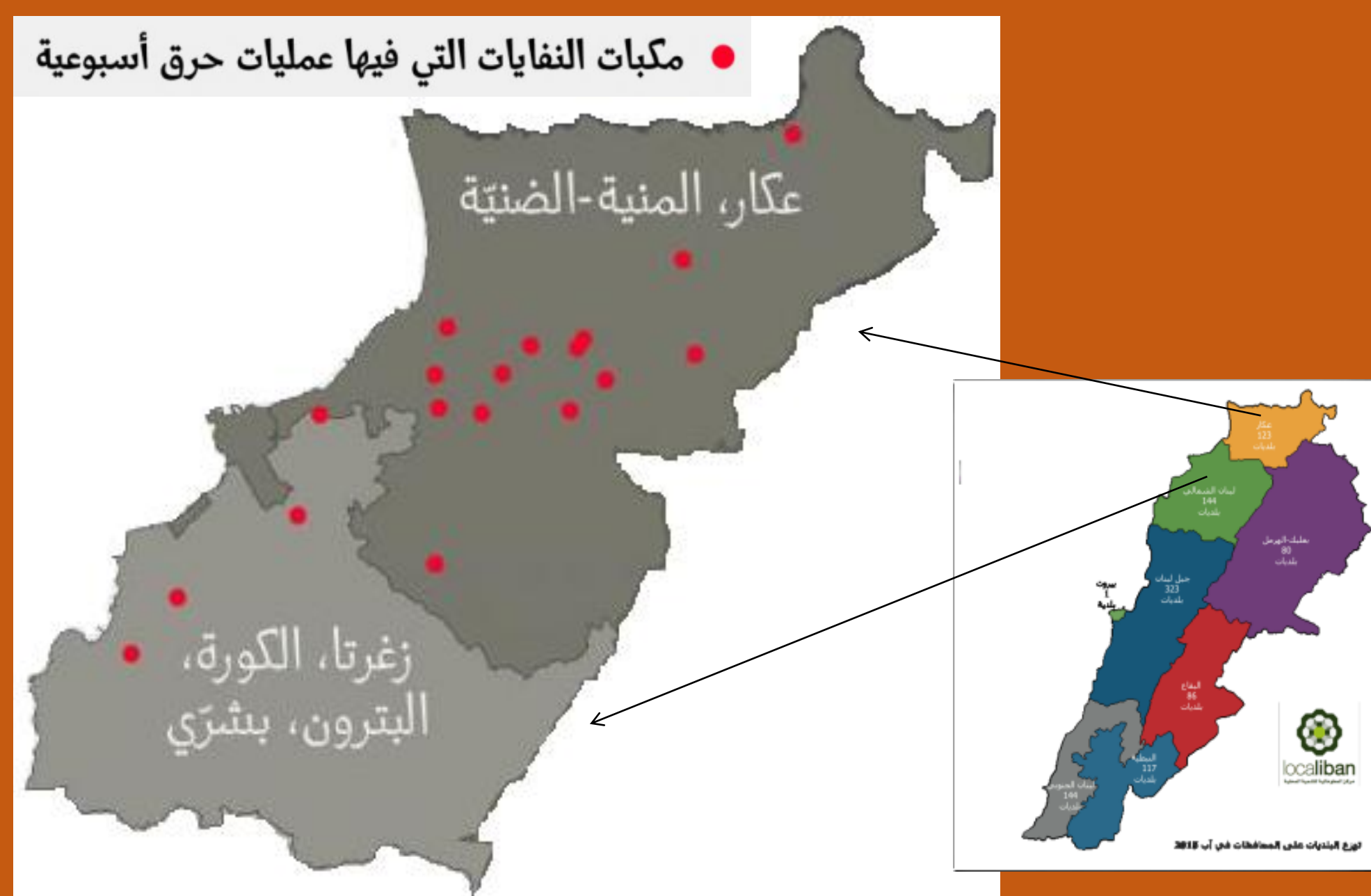
Waste management technique

1. Direct labour
2. Refuse truck
3. Hook loader
4. Compactor
5. Bulldozer

Important elements of waste management system and their dimension

1. Waste generation
2. Rate of generation
3. Population
4. Waste
5. Waste collection
6. Waste management costs
7. Waste management budget

المنطقة المعنية التي يجري عليها النمذجة *The Region*



Estimation of system parameters

1. Planned Budget
2. Proportion of Planned Budget
3. Proportion of actual Budget implemented on Waste Management activities (P)
4. Waste Management Effectiveness Factor (E)
5. Waste Collection Factor (WCF)
6. Waste Generation Factor (WGF)

Stock and flow diagram for waste management system

