

Table S1. Description of contents and activities in educative process.

| <b>Educative content categories</b>       |  |
|---|--|
| c1) ecological and environmental contents | Sustainability, ecology of arid zones, desertification, rehabilitation and restoration, survival of plants in degraded environments, types of soils, functional groups of plants (Nitrogen fixers, grasses, shrubs). |
| c2) plant biodiversity                    | Identification of plant diversity, recognition of species by scientific and/or common names  |
| c3) plant morphology and physiology       | All contents related to the identification of the vegetative and reproductive structures of the plants and basic aspects of the functioning of the plant organs  |
| c4) Nursery and outplanting techniques    | Seed collection and processing, production of seedlings in greenhouses, containers, irrigation, substrates, seedling care, including hardening process and planting  |

|   |  |
|---|--|
| c5) social economy  | Determination of the costs of particular inputs and the cost of each stage of work in the nursery and field, allocation of sales value and organization of use and distribution of profits |
| c6) organization of roles and functions, time, and use of space | Organization of the use of physical space, reaching agreements on the equitable distribution of tasks and establishment of guidelines to advance the association as a cooperative          |

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**Activity categories**

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| a1) meetings for task organization | Meetings for planning the construction and use of workspace   |
| a2) composting                     | Gathering and transferring organic matter and manure to containers, irrigation and periodic turning for compost formation |
| a3) seed collection and processing | Collection, cleaning, packaging and pre-germination treatment of seeds  |
| a4) sowing                         | Preparation of the substrate formula (perlite, natural soil and compost in  |

adequate proportions), filling bags or seed beds, placement and initial irrigation of the seeds

a5) seedling care and asexual reproduction

Transplanting seedlings in different containers in the nursery, irrigation, pruning, weeding, obtaining seedlings through cuttings (asexual reproduction), and propagation in the nursery

a6) record-keeping and labeling in nursery gardens

Recording the dates of execution of activities for annual planning, counting the number of individuals per species, measuring seedlings, evaluating seedling quality in different species according to their survival and growth in the nursery

a7) economics and accounting

Generating budgets for supplies, acquiring funding, and accounting for payments and income

a8) construction of infrastructure

Assembly and conditioning of nursery facilities and construction of workspaces (work tables and other elements of the nursery, installation of irrigation system, electrical installation and other infrastructure, acquisition of materials)

a9) communication

Visits to schools in the region, dissemination through social networks, participation in events to disseminate restoration objectives

10) educational activities

Reading texts, analysing videos, written evaluations, answers to questionnaires, crosswords, and elaboration of herbaria.