

Appendix 1: Guiding themes and questions discussed during oral history interviews

Araucaria Forest, environmental memory, and traditional knowledge

- How was/is the forest used?
- What species were/are collected and used, including medicinal plants, species other than erva-mate?
- How was the forest in the past?
- Are there tensions between maintaining the forest and farming, i.e., pressure to deforest for monoculture crops?
- Why did you decide to maintain forest on your property? Why was this important to you?

The production of erva-mate in traditional systems: memory of labor practices and technologies

- Why have you maintained a traditional system on your property?
- What technologies do you use? How has the system evolved during your lifetime?
- How have the practices changed (i.e., in terms of cultivation, collection, processing) from the system your grandparents used?
- What other species or products do you cultivate with erva-mate (i.e., cattle and other livestock, other forest species, crops)? Do you use an agroforestry system?
- Who buys your erva-mate and how does it figure in the production of the family farm?
- When and how do you harvest the erva-mate? What are the harvesting practices you use?
- Who participates in the harvesting? Do you contract a third-party to do the harvest?
- What is the end market of your product? Do you process the erva-mate yourself?
- Is there a difference between the traditional shaded system and others?
- What is your vision of the future of this system?

Food security, climate and cultural change

- Can erva-mate production help families to continue living and working on family farms?
- How does the family meet its subsistence needs? Do you have a garden (and who tends it)? Do you consume your own production? How much comes from off the farm (trade or purchase)?
- Do you have a spring or well on your property? Have you noticed changes to the amount or quality of the water? How does water availability relate to deforestation in the region? Has it affected your production?
- Have you noticed changes in the production of erva-mate, in terms of harvesting season, changes in production, pest infestations, drought, excessive rain, etc.?
- Are your children interested in the life of an *erveiro*? Do they help with harvesting?
- What are your expectations for the future of your farm?