

café dos
contos

INTRODUCING OURSELVES

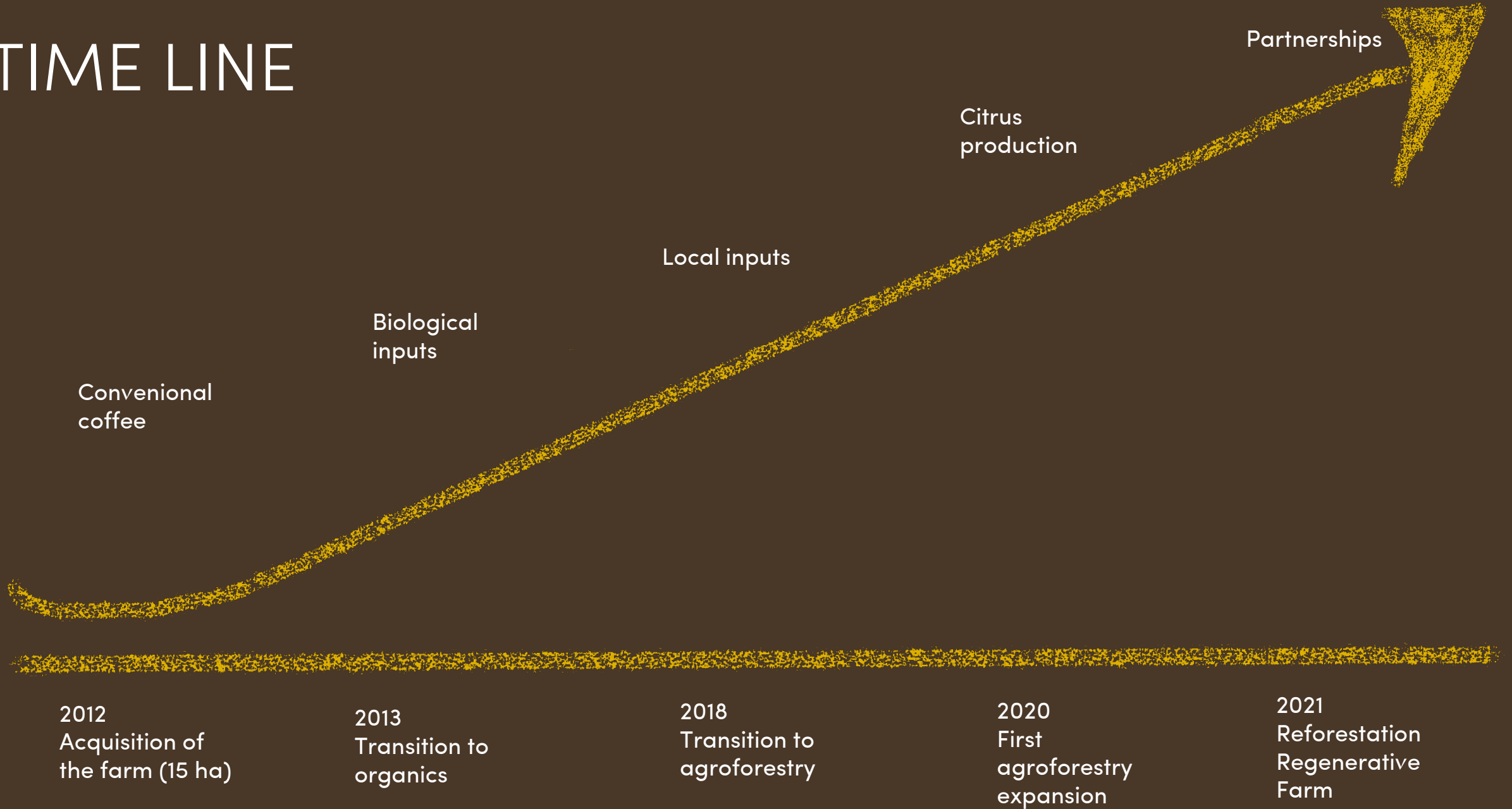


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Co-founder of Café dos Contos,
Journalist,
Sustainability specialist



Mariana Mota
Co-founder of Café dos Contos,
Sociologist, education
specialist

TIME LINE



REGENERATIVE MAP



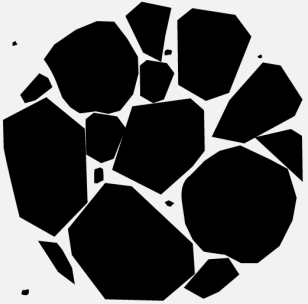
SPECIALTY AND AGROFORESTRY COFFEE

OUR GOALS

- To produce high quality coffee grains
- To regenerate natural ecosystems
- To inspire and disseminate regenerative practices in coffee production



DESIGN OF THE SYSTEM



PRETATERRA





Transition

Monocultural
Organic
Coffee

Multistrata
Agroforestry
Coffee

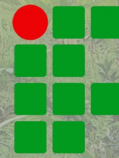
SOIL

- Health soil
 - Health plants
 - Health human beings



ACADEMIC PARTNERSHIP

- Scientific Research carried out by IFSUL – Agronomy Federal University
- Initial focus: biology life in soil, including:
 - _larger soil fauna
 - _soil microorganisms



INSTITUTO FEDERAL
Sul de Minas Gerais
Campus Inconfidentes



GECAFÉS
GRUPO DE ESTUDOS EM
CAFEICULTURA SUSTENTÁVEL

CAMPO DE PESQUISA AGROFLORESTAL



café dos
contos

RESULTS OF OUR SOIL RESEARCH

To be shown in the Event



REGENERATIVE PRACTICES



REFORESTATION

Plants: 3.200

Species: **Insert species**

Brazilian Mata Atlântica
Rainforest



Thriving climate change in Mantiqueira, Brazil. Coffee agroforestry design for soil and crop resilience in slope zones

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Mantiqueira region, Brazil is under desertification process, facing droughts and soil degradation. Regenerative models, considering soil conservation are needed to thrive under harsh conditions while diminishing chemical fertilizers. An agroforestry system was designed, maximizing soil infiltration and improving coffee resilience on slope zones in Monte Sião. Final model and costs are shown in table 1. For soil conservation, aggregation and retention, an ancestor method based on *Anthropogenic Dark Earth* (TPI) was used, based on charcoal and sawdust deposition. N₂ fixer species were selected for alley green manure. Species selection and arrangement considered succession, stratification, shade, architecture, permeability, life cycle and root depth. Components are: *M. integrifolia*, *C. arabica*, *T. ciliata*, *Musa sp.*, and *I. vera*. Seed-mixture for alley enrichment is: *U. brizantha*, *C. cajan*, *H. annus*, *P. glaucum* and *C. spectabilis*. Soil management and mulching used a mix for fertilizing purposes, charcoal residues for raising soil CEC, coffee husks + poultry manure (10% N) and eucalyptus sawdust for soil covering. Design attributes were systematized. With a cost of USD 6,316, the first 1 hectare was implemented in Dec, 2018 in the Farm "Café dos Contos". Integrated systems diversify revenues. A replicable agroforestry model for Mantiqueira coffee-based agriculture will drastically improve soil conservation and crop resilience, while building a new sustainable productive paradigm.

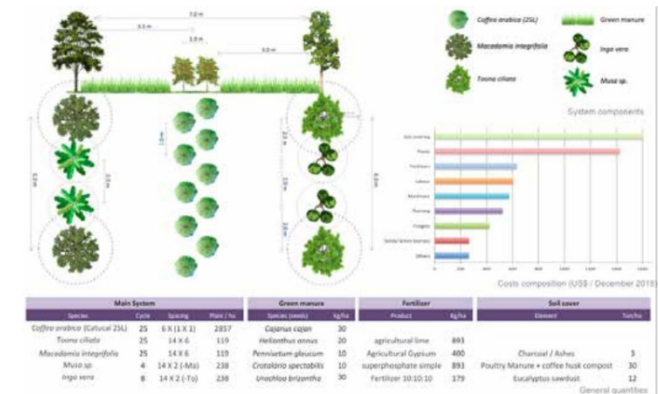


Table 1. Complete information of (a) design, (b) table of quantities and (c) general costs.

Keywords: Shade-grown coffee, Terra Preta de Indio, desertification, Anthropogenic Dark Earth, Soil conservation.

References:

1. Wiedner, 2015, Catena, 114-125; doi.org/10.1016/j
2. Maezumi, 2018, Nature Plants, 540-547; doi.org/10.1038/s41477-018-0205
3. Primavesi, in: Manual do Solo Vivo, 2016, Expressão Popular, 35 - 100
4. Campanha, 2004, Agroforestry Systems, 75-82; DOI: 10.1023/B:AGFO.0000049435.22512.2d

SOUL

If Mother Earth could speak our language, what would she say to us?



SOCIETY

Café dos Contos: an open space to sharing learnings and to practice environmental education





School Groups



Volunteer Programme

Member of
International Women's
Coffee Alliance (IWCA) -
(Brazilian Chapter)

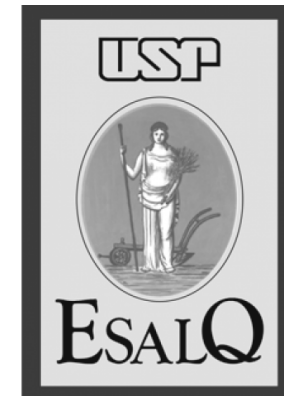


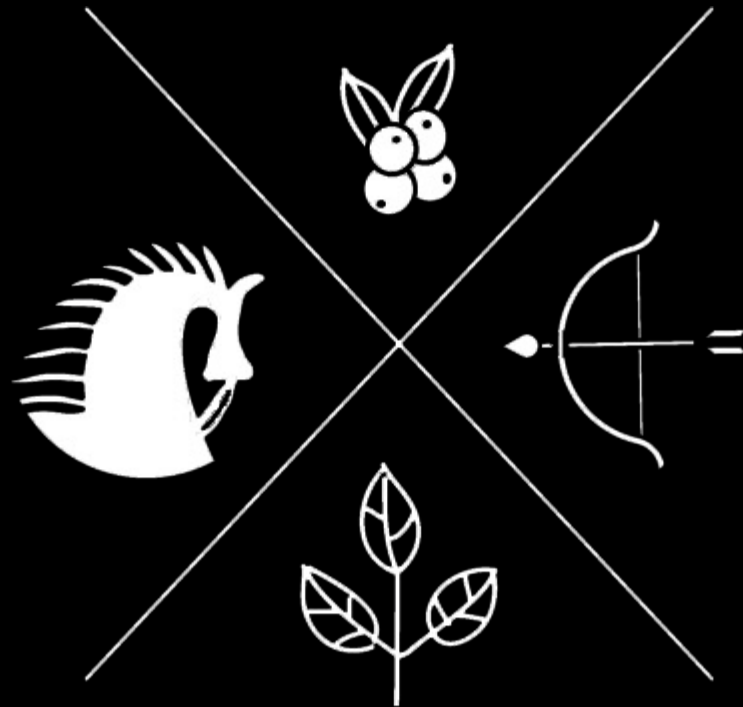
AWARD

- Winner of New Agriculture Award, granted by Santander Bank and Esalq/USP on Sustainability category



SPECIAL THANKS





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