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ProNobis



Agroflorestal



GLOBAL SYMPOSIUM ON SOIL BIODIVERSITY | 19-22 April 2021

From soil to table: Agroforestry Systems as an alternative to regenerative agriculture

- ProNobis Agroforestal:

I'm a Farmer and I grow food through Agroforestry
System of agriculture.

- What's Agroforestry Systems?



Methodology

- Whats the objective of the farmer?

- Basic agroforestry principles:

Natural Succession

Stratification

Pruning

Soil cover



OUR AGROFORESTRY DESIGN



TREE LINES

MAIN SPECIES:

BANANA (3M) – ORGANIC MATTER

EUCALIPYTUS (1,5M) –OM/SHIITAKE

ILEX (4M) – PROCESSING (4°YEAR)

AVOCADO (6M) – FRUIT (5°YEAR)

PECAN (9M) – NUTS – (6°YEAR)

+ NATIVE TREES – DIFFERENT FUNCTION

VEGETABLE LINES

2/3 YEARS



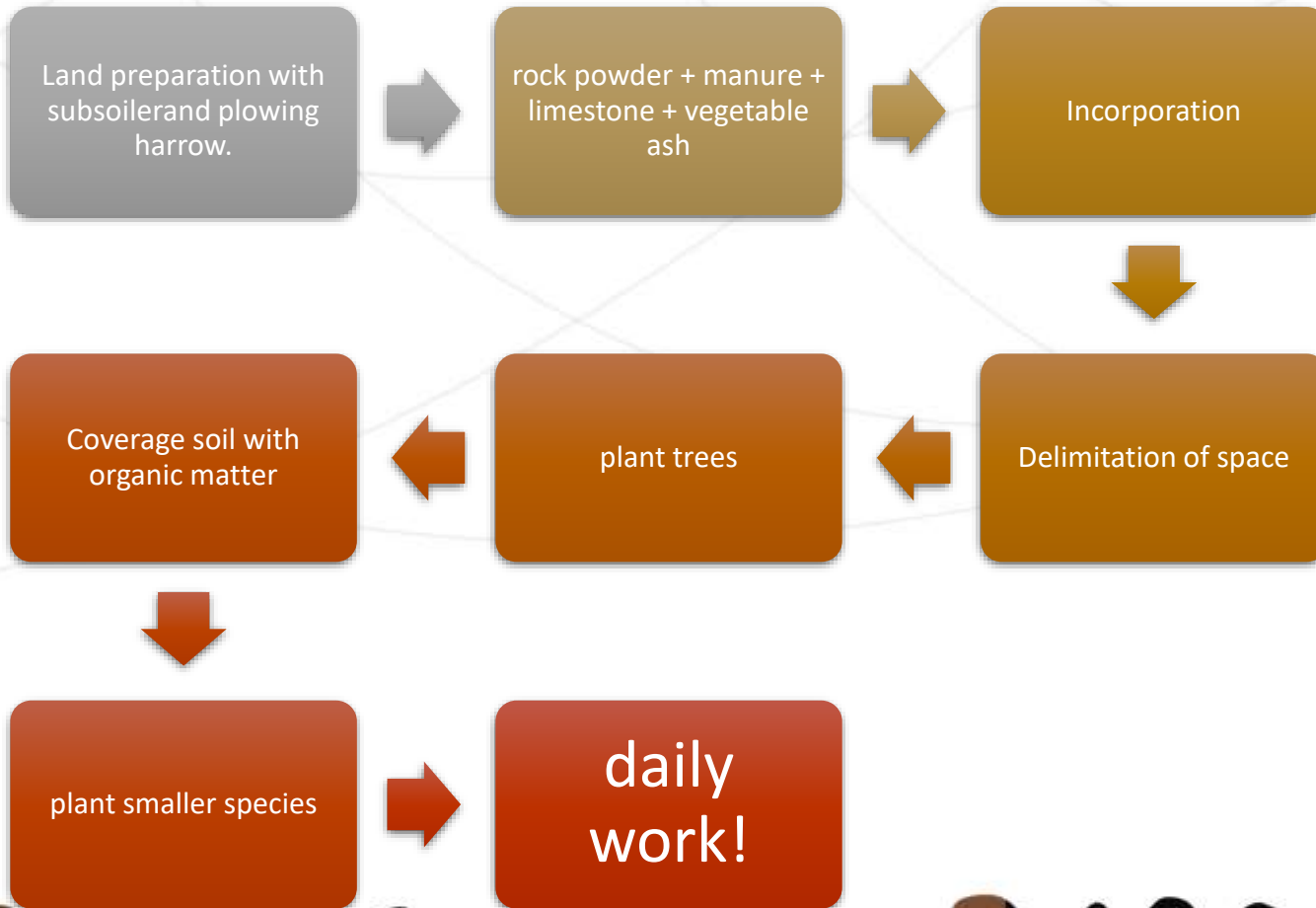
WHEN WE STARTED...

- SOIL ANALISYS

	BEFORE
PH	5,6
MICRONUTRIENTS	LOW
AL + 3	26%
ORGANIC MATTER	20%



WHAT DID WE DO?



STEP BY STEP

- LAND PREPARATION



STEP BY STEP

- DELIMITATION OF SPACES



STEP BY STEP

- PLANT TREES - BIG TREE SEEDLINGS



STEP BY STEP

- Coverage soil



STEP BY STEP

- plant smaller species



STEP BY STEP

- First irrigation



RESULTS

- After 20 days



RESULTS

- After 30 days



RESULTS

- After 50 days



RESULTS

- After 75 days



RESULTS

- After 75 days



RESULTS

- After 110 days



RESULTS

- After 150 days



RESULTS

- After 1 year, and the soil

BEFORE



AFTER



AFTER



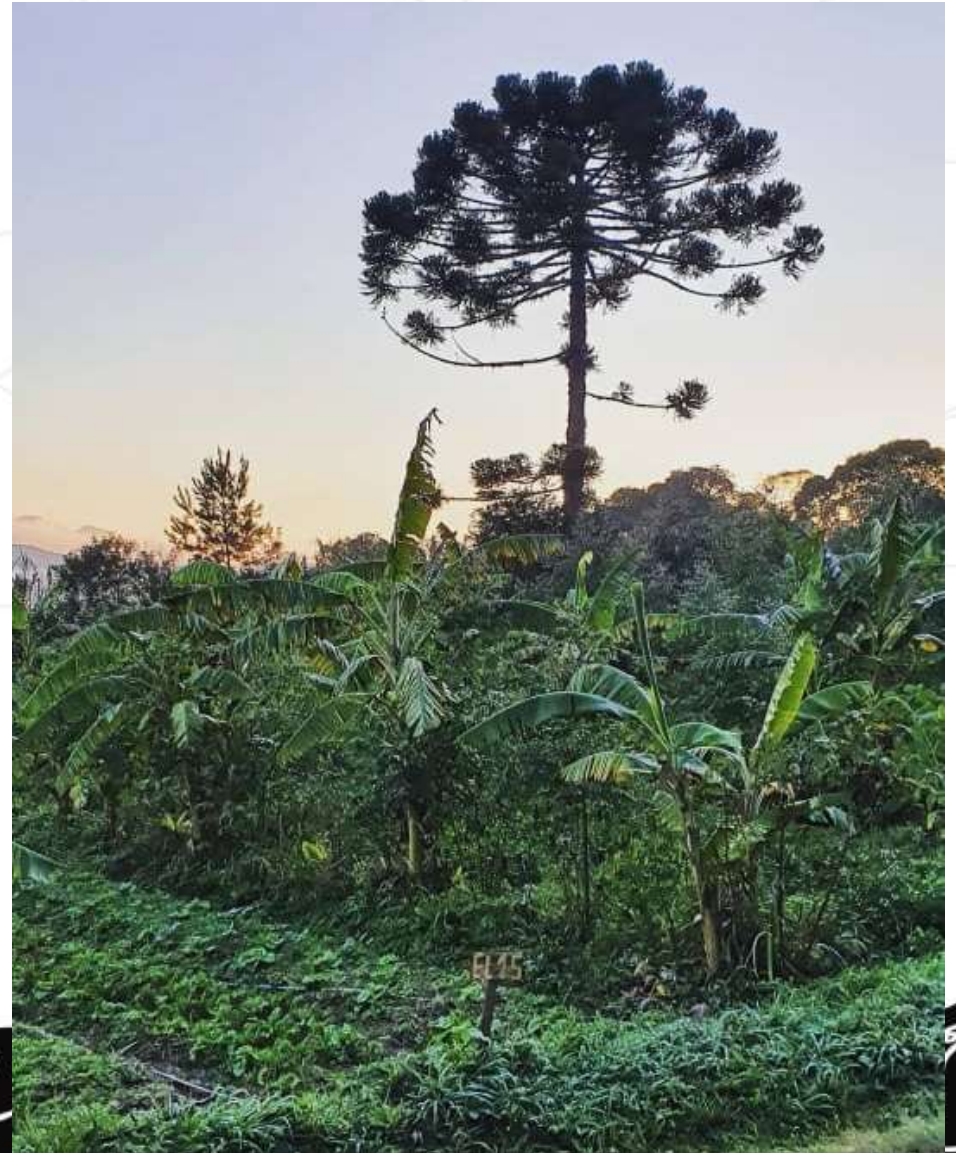
RESULTS

- After 1 year, and the soil

	BEFORE	AFTER 1 YEAR
PH	5,6	6,3
MICRONUTRIENTS	LOW	HIGHER
AL + 3	26%	17%
ORGANIC MATTER	20%	45%



A LITTLE BEYOND, 4 YEARS LATER



WHERE ARE WE NOW



WHERE ARE WE NOW





**Thank you for
your attention**