



## Finding solutions for pushing farm transition: permaculture as a design of an agroecology system

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*"We aim to be a sustainable farm.  
Experience and passion enable the bond between animals, people and environment"*

### SOME CRITICAL ISSUES DETECTED IN 2021



SOIL EROSION - grasslands in firebreaks



not adequate WATER POND



LOW NUTRIENT VALUE grasslands

WIND ROSE

WATER FLOW

HYDROGRAPHIC BASINS

RAINFALL (mm/year)

Year	Rainfall (mm/year)
2010	1200.2
2011	800.0
2012	750.2
2013	780.4
2014	1100.0
2015	900.0
2016	950.0
2017	400.0
2018	800.0
2019	1100.0
2020	750.4
average	800.0

KEY LINE / CONTOUR LINE

WOOD EXPOSITION

«ACUSTIC ORGANISMS»

PERMACULTURAL APPROACH

AGROECOLOGICAL APPROACH

Clima da fonte: ARPA Toscana  
Periodo: rainfall: 2010-2021; winds: 2003-2020

**FINAL REMARKS** - a) 200ha of woods exposed to the west condenses humid winds coming from the sea; b) a great amount of water falls and flows on the area and feeds watersheds; c) there are two main areas of animal communication where cows and calves can connect through mooing; d) several management changes are needed to avoid erosion of grasslands.