

Woody open-air runs for poultry and their environmental performance



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A diversity of agroforestry practices : woody open-air runs



Mobile chicken house in free range System



Laying hen in free range system

A diversity in woody free-range systems



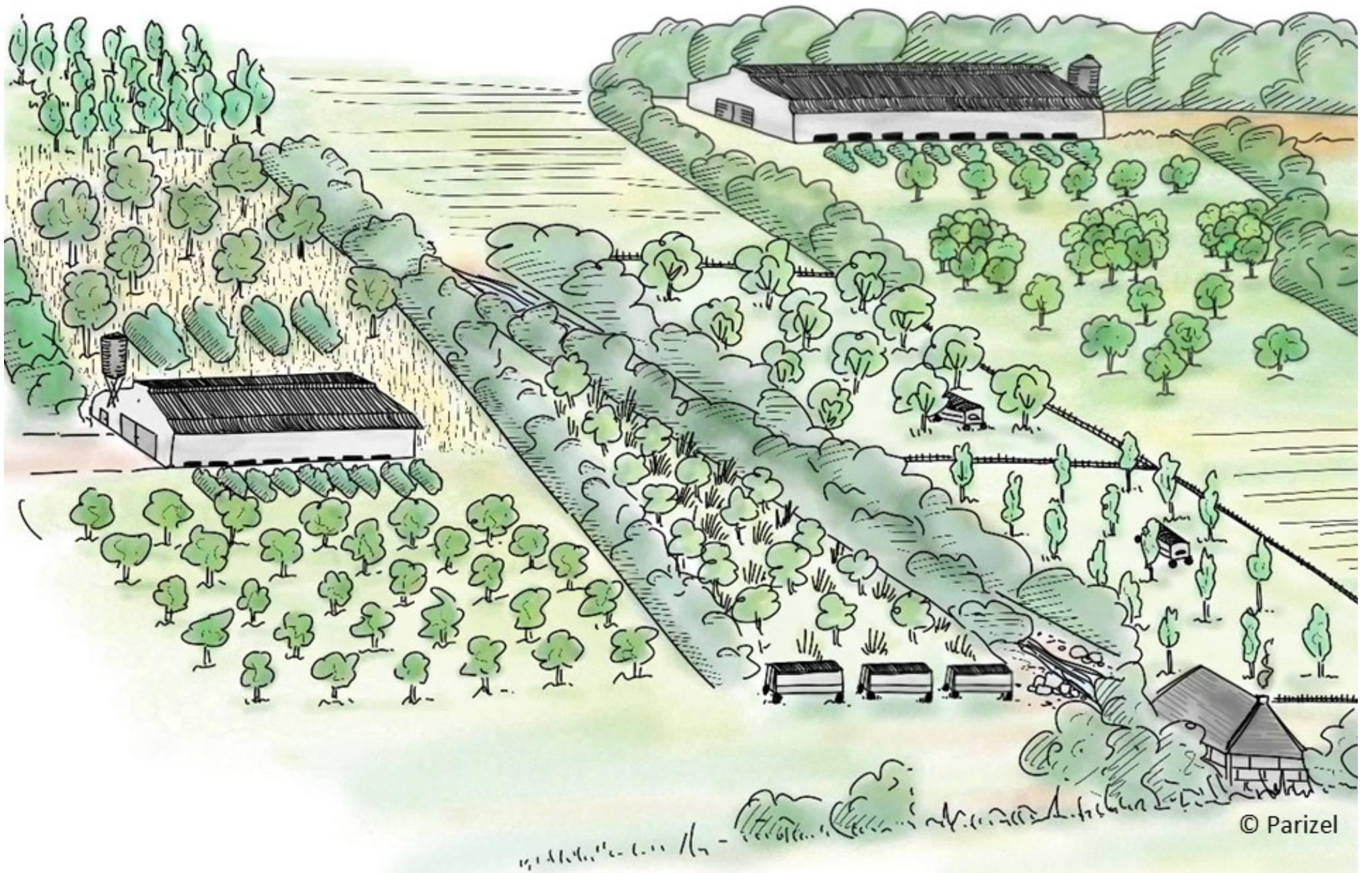
Free range system for guinea fowl



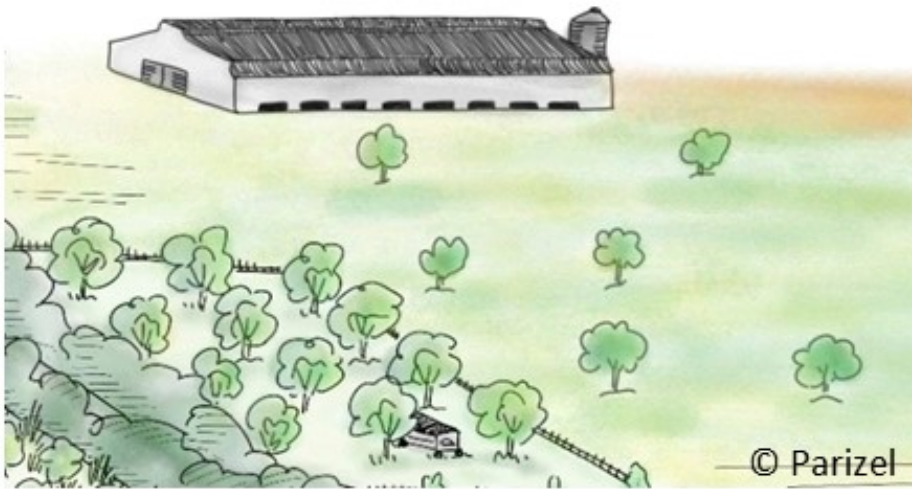
Free range system for chickens (meat)

Woodlots, windbreaks, hedgerows, groves of trees, pollards, trees rows, trees scattered... ..

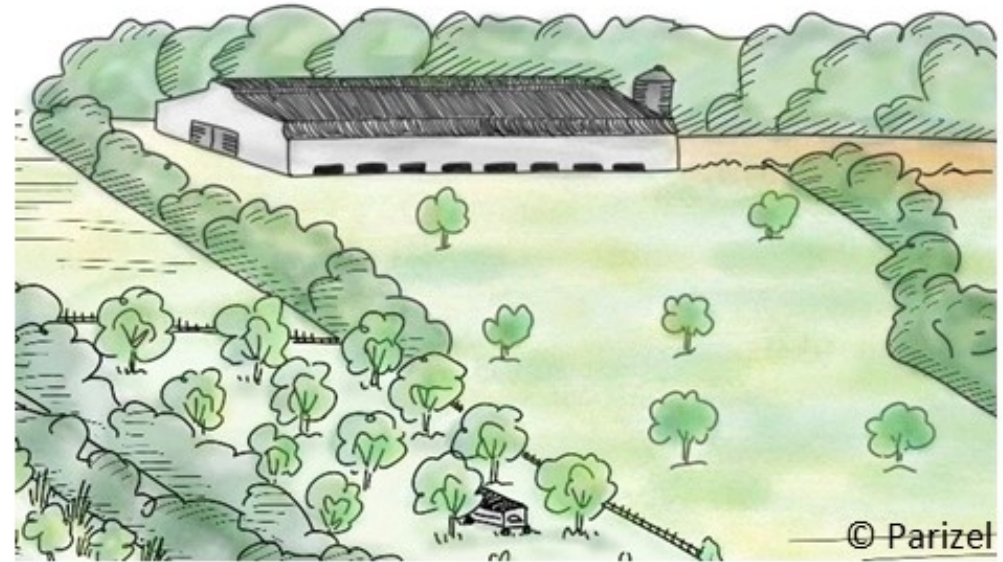
A long list providing a diversity of environmental benefits



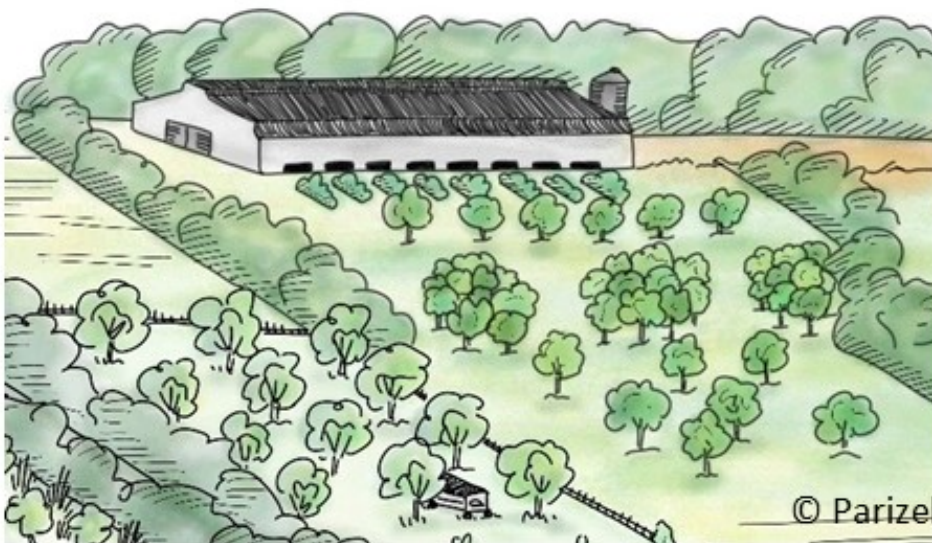
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The trees and the hedge for an effective free-range system + 4 to 5 °C inside the buildings in winter = thermal protection and a decrease in gas uses/costs (200 to 450€/yr)



Bordering hedgerows : + 0,2 to 0,28 tC/100m/yr and « climate effect »



+ 0,3 to 4,7 tC/ha/yr stocked by trees

The environmental performances of agroforestry free-range systems

The trees and the hedgerows associated with a cover crops/herbaceous cover impact the system in an environmental way : recycling the nutrient, ensuring the environmental connectivity, preserving the biodiversity, limiting the erosion and the pressure on the environment (pollution, mitigating climate change, reducing nitrous oxide emissions).

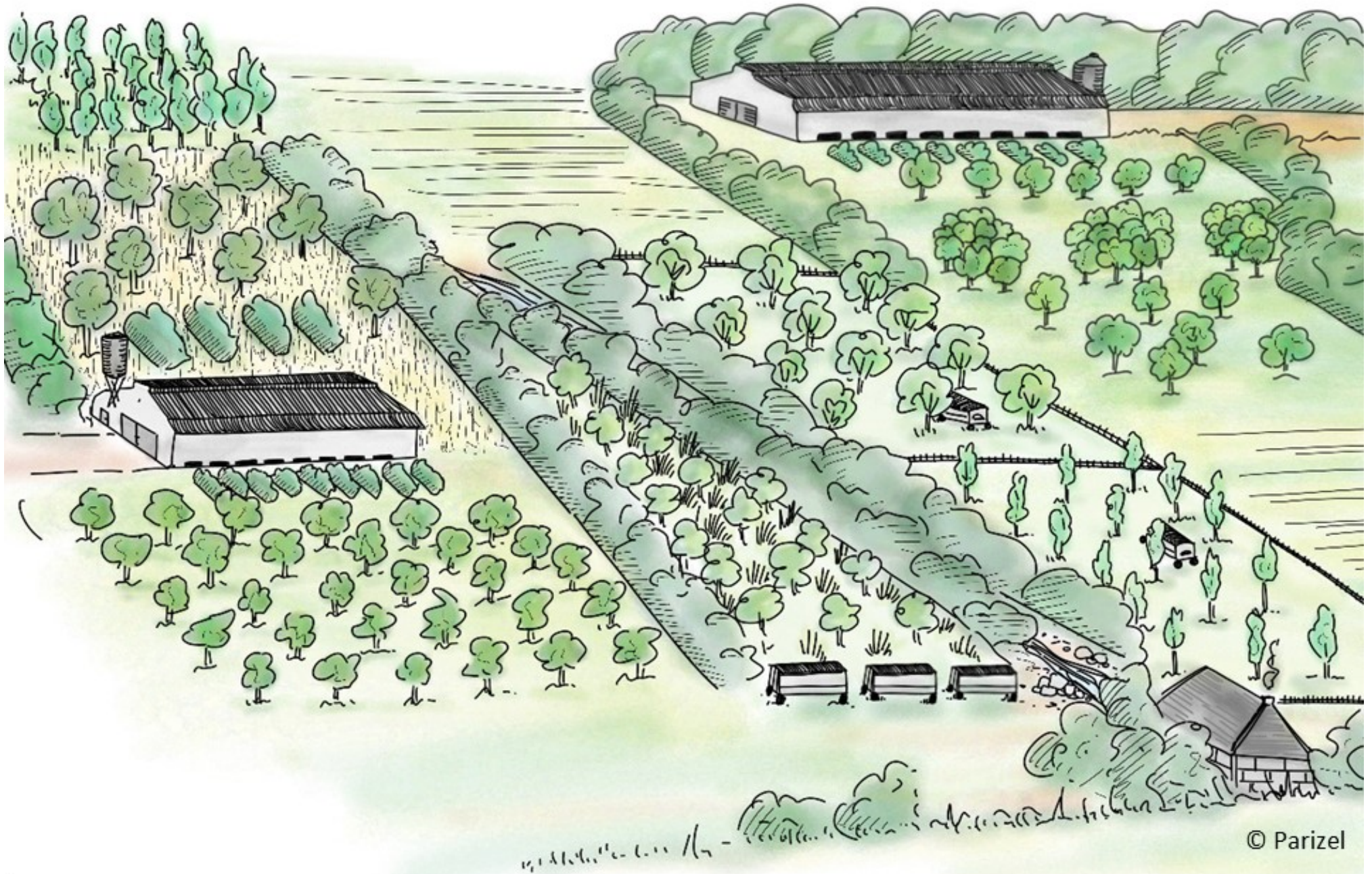


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Increased autonomy of tree-based poultry systems

- The tree provides food (up to about 15% of the total feed) ;
- The tree protects poultry from bad weather and heat. Poultry uses less food for its thermoregulation.

The gains in food are significant and can go up to 4.2kg/animal. Less energy are used for food production and the systems are more sustainable.



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Co-responsibility for landscapes. “Every neighbor is a potential customer! The egg is 50% a product and 50% an image.” (Philippe Guillet – advisor in poultry sector, 2020)