



**Innovation Inspired by the Natural  
Diversity of Microbial Communities**

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# Soil Degradation Threatens the Planet

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Without innovative new approaches, arable and productive land per person in 2050 will be only a quarter of the 1960 level.

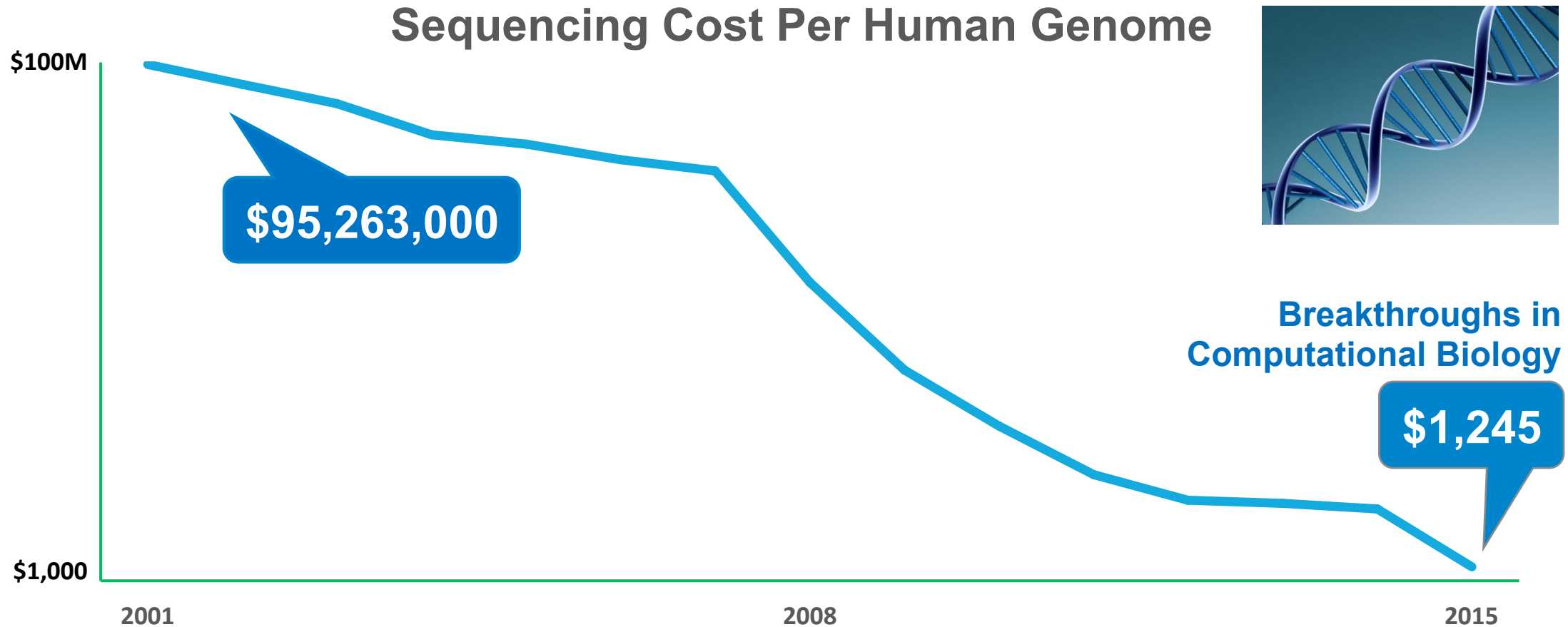
Land degradation





# THE DYNAMIC MICROBIOME

# Paradigm Shift in Understanding Biological Diversity



## Innovation Inspired by Natural Diversity

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# natural

*adjective* | nat·u·ral | \ 'na-chə-rəl, 'nach-rəl\

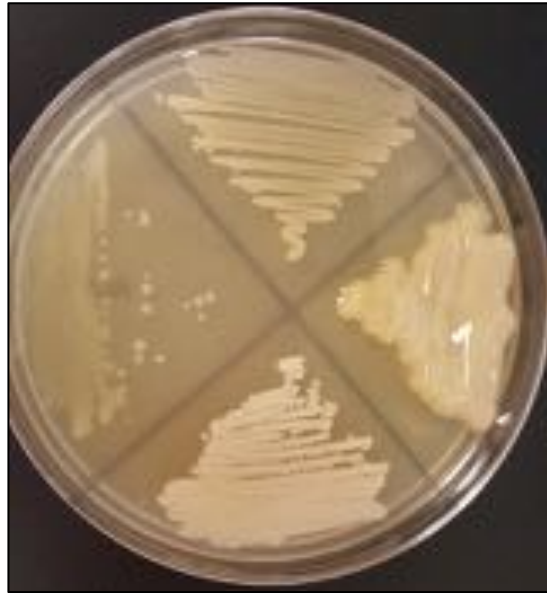
: existing in or produced by nature

# diversity

*noun* | di·ver·si·ty | \də-'vər-sə-tē, dī-\

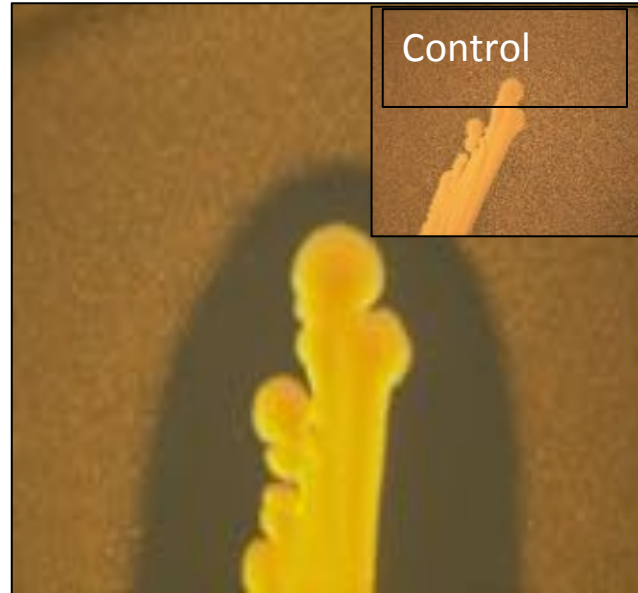
: the condition of having or being composed of differing elements

# Innovation Inspired by Natural Diversity: Creation of Soil Microbial Consortia



Nitrogen fixation

N metabolism  
P metabolism  
K metabolism



Phosphorous solubilization

Sulfur metabolism  
Salt metabolism  
.....others.....

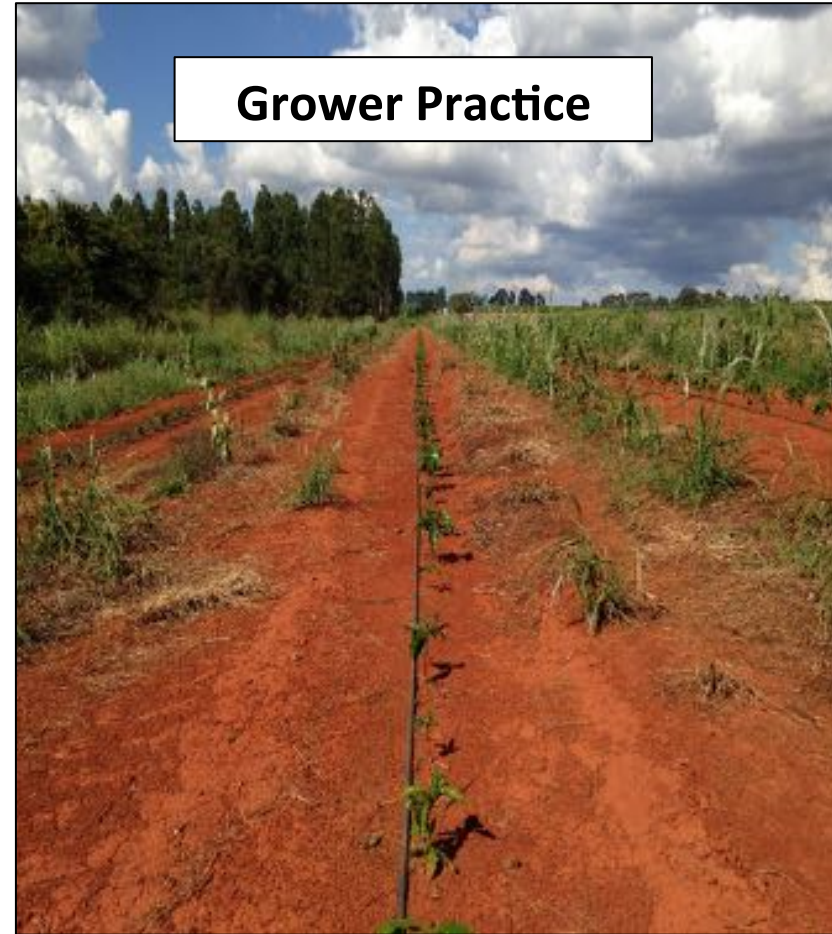
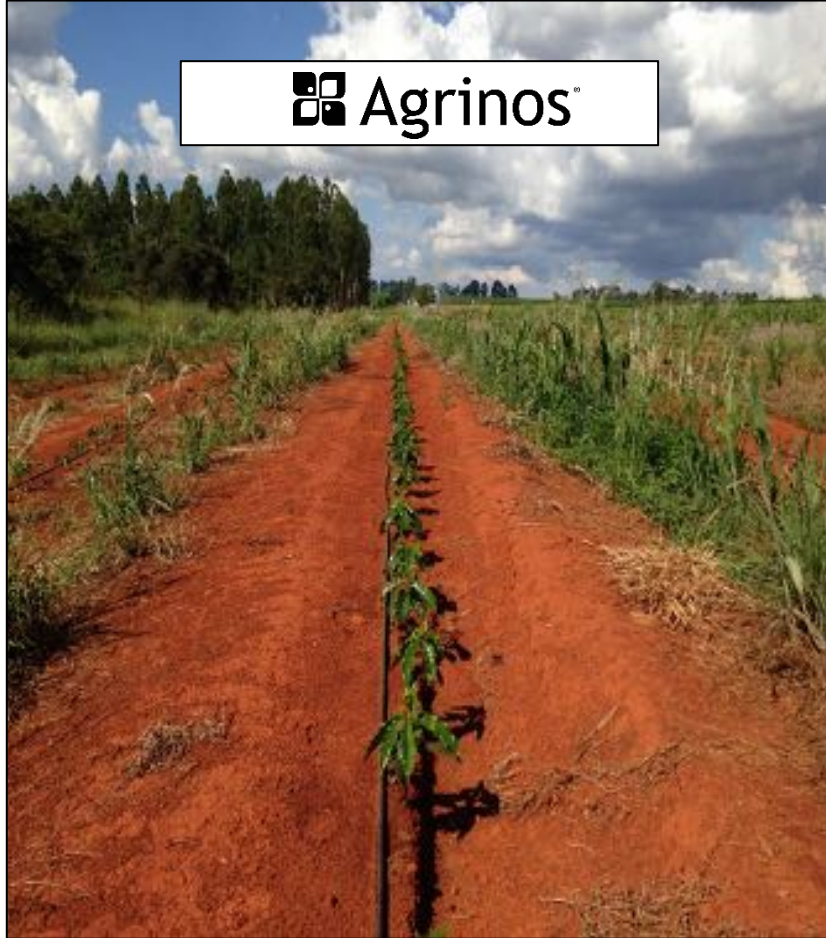


Co-culture large scale production  
of Agrinos Microbial Consortia



# Innovation Inspired by Natural Diversity: Creation of Soil Microbial Consortia

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Customer: Mr. José Carlos Grossi  
Location / Crop: Brazil / Coffee  
Planting: January 2017



**At Agrinos, we harness the power of microbes for healthier plants. Our cutting-edge research leads to continuous innovation.**

