

International Fair "4p1000" Initiative
**Real farmers experiences
for living soils
and carbon sequestration**

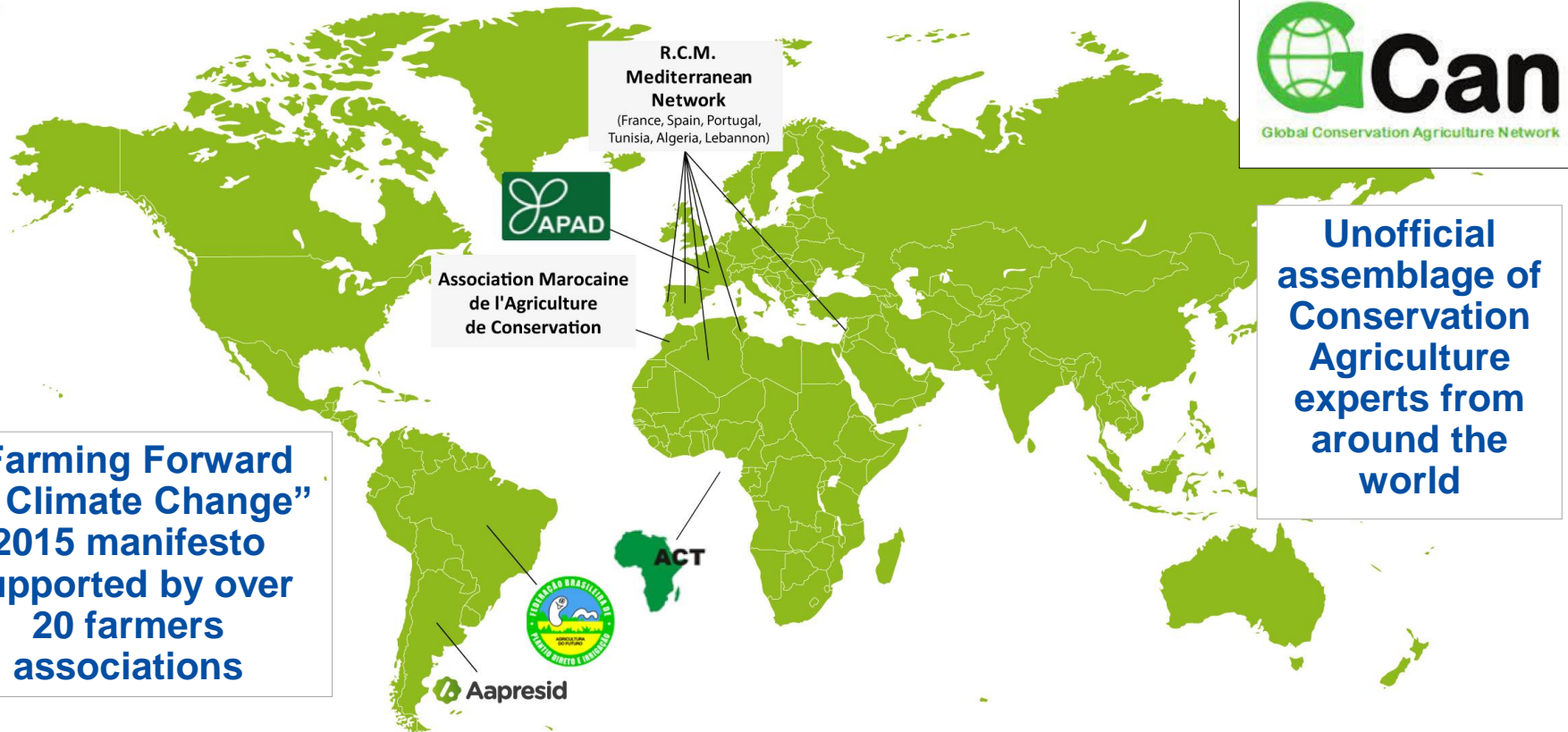
GCAN - AAPRESID

EU GREEN WEEK 2021 PARTNER EVENT

ZERO #EUGreenWeek
POLLUTION
for healthier people and planet



GCAN - Global Conservation Agriculture Network



Unofficial assemblage of Conservation Agriculture experts from around the world

“Farming Forward for Climate Change” 2015 manifesto supported by over 20 farmers associations



GCAN: Key Messages

Conservation Agriculture combines profitable agriculture with environmental concerns and sustainability, by implementing:

- 1) No soil disturbance
- 2) Use of cover crops
- 3) Crop rotation



Central role of FARMERS in developing and disseminating sustainable production systems

Importance of **interinstitutional and interdisciplinary NETWORKS**

Need for **adequate PUBLIC POLICIES**

Argentina No-Till Farmers Association



MISSION

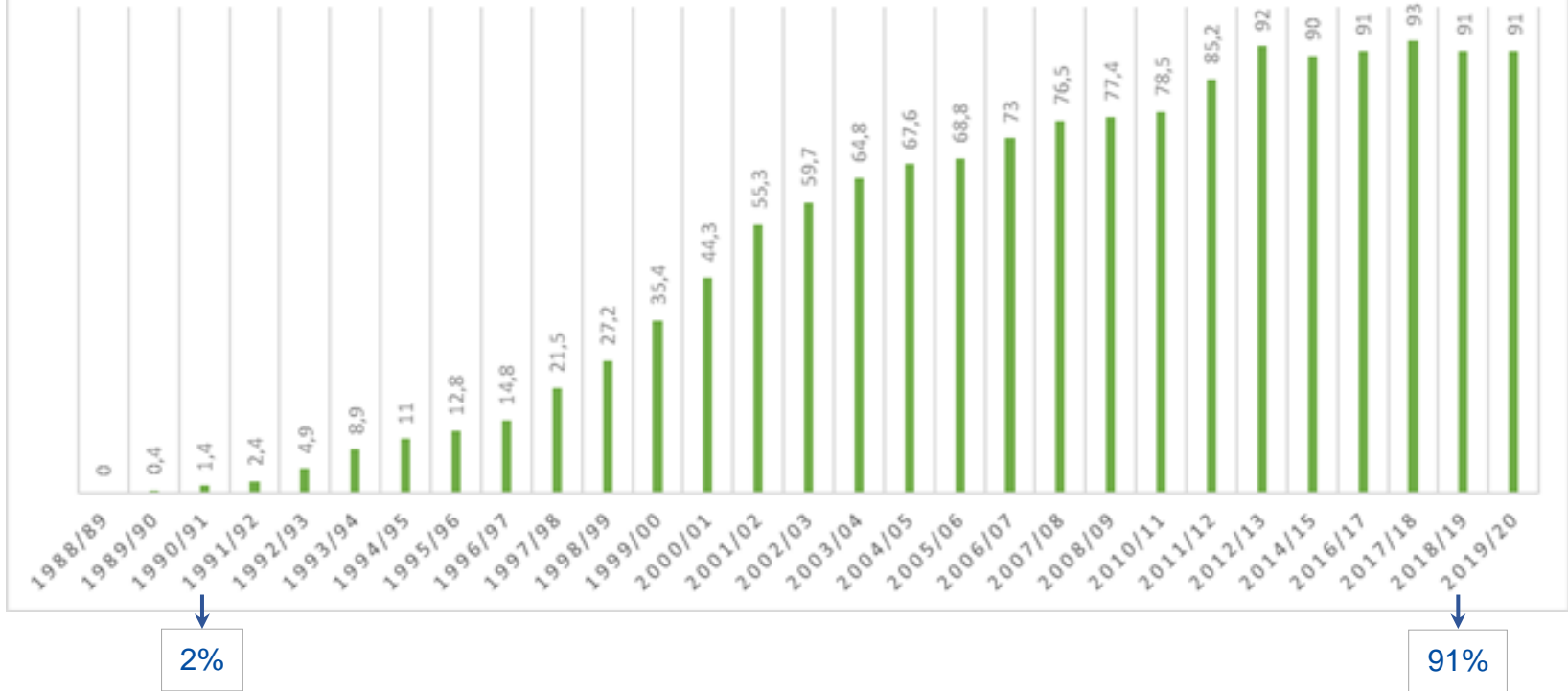
To promote sustainable production systems of food, fibers, and energy, through innovation, science, and the management of knowledge within a network.



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In Argentina, CA is implemented in over 90% of its agricultural surface

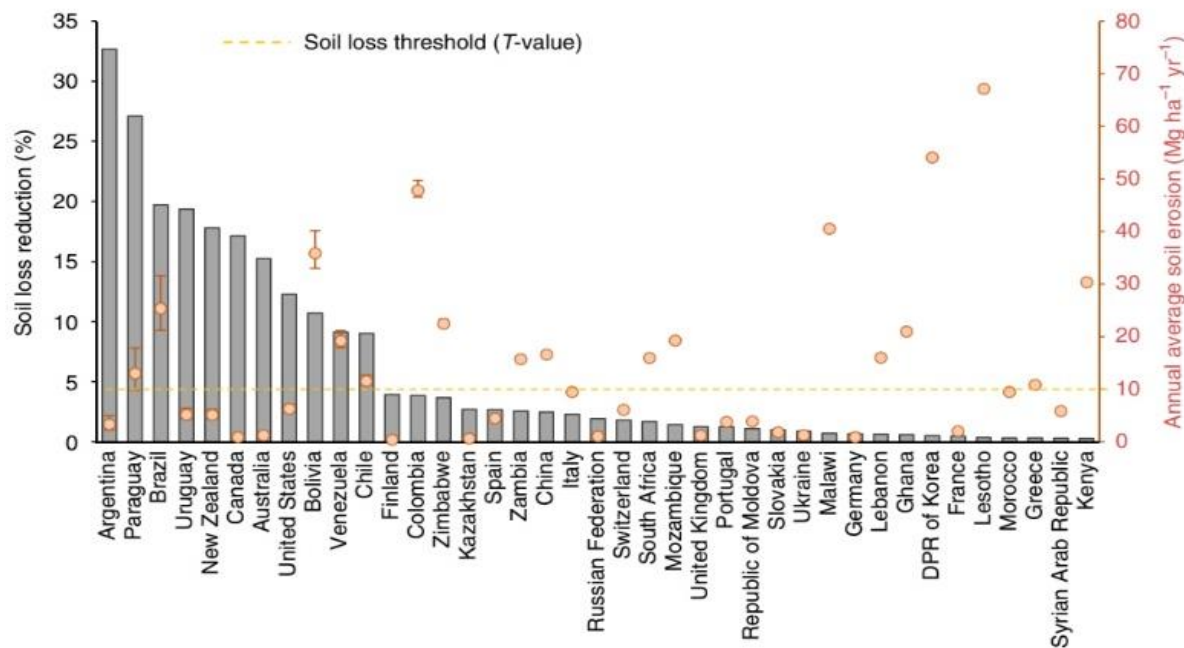
Evolution of no till surface (%)
Seasons 1988/89 to 2019/20



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No-Till farming: positive impact



Benefits of No-Till farming

- Reduces erosion by 90%
- Reduces the use of fossil fuels by more than 60%
- Reduces water losses due to evaporation by 70% and improves water use efficiency
- Boosts soil fertility

Nature Magazine: Argentina world leader in soil loss reduction



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Study of soils and Sustainable Agriculture



BIología del Suelo y Producción Agraria Sustentable (*Soil Biology and Sustainable Agricultural Production*)

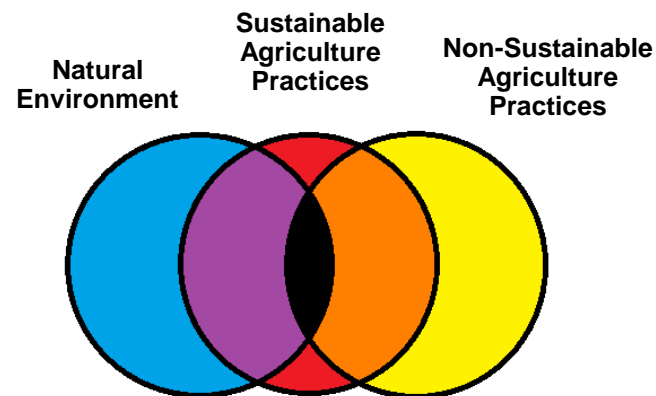
Interdisciplinary project that aims to develop a holistic study of the functioning of soils

Interpretation of the biological processes that occur in soils and its impact on productivity

Impact of soil pathogens causing and controlling diseases

Use of biological soil variables as indicators of environmental performance

Use of microorganisms with specific agronomic applications



SUMMARY CONCLUSION

SAP are more similar to NE than NSAP and is in between those situations (growth promoters, phosphorus availability, pathogens as controllers, etc.)



AAPRESID Collaborative Innovation

Permanent exchange between FARMERS
to share experience and needs

Scientists and researchers work with farmers to develop solutions and knowledge

Companies provide inputs and services



VIRTUOUS CYCLE

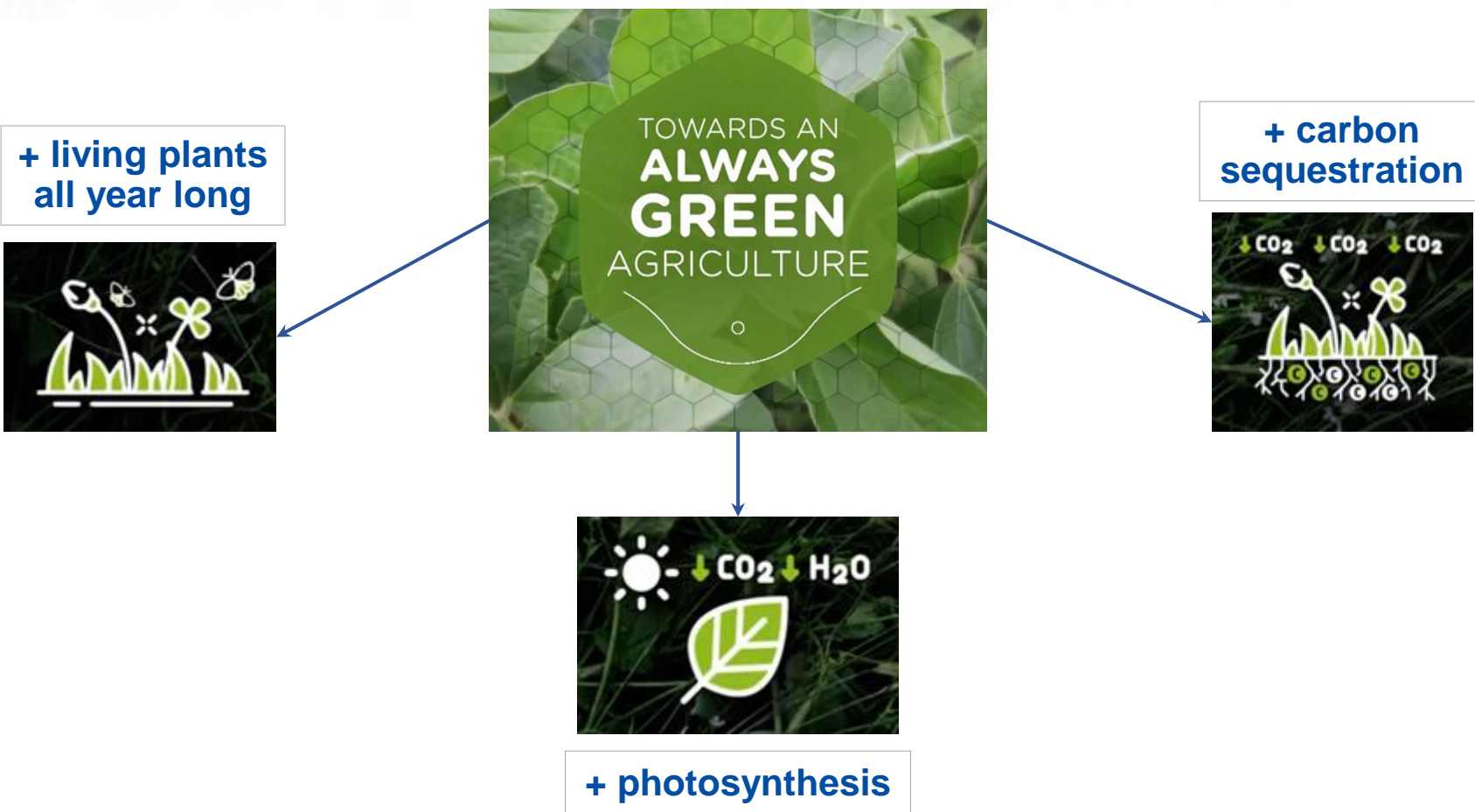
**Leads to achieve
“always living and always green systems”**



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Always living and always green systems



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**Let us work on building
this global network,
there is no time for
more rhetoric!**



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