



22-25 APRIL 2018 MARITIM HOTEL BERLIN BERLIN, GERMANY





Bioversity International

Brigitte Laliberte, presenter 23 April 2018



Bioversity International's approach

CONSUME

PRODUCE

PLANT

SAFEGUARD

IMPACT
Improved
ecosystem,
nutrition,
income and
other
livelihood
benefits



Healthy diets from sustainable food systems



Productive and resilient farms, forests and landscapes



Effective genetic resources conservation and use



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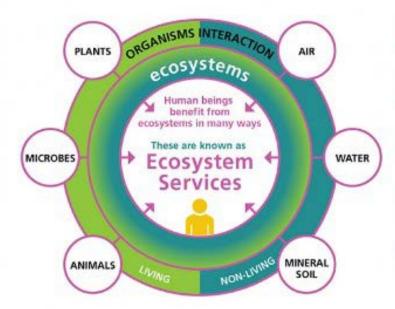




Ecosystem services and resilience

Pollination 4

- Pest and disease
 management
- Fresh water, food, fibre, habitat and genetic resources
 - Recreation and
 tourism
 - Spiritual health,
 cultural identity



- Erosion prevention
- Protection from natural disasters
- Carbon sequestration and storage
- Air and water pollution control
- Nutrient cycling and soil fertility

Using an ecosystem service-based approach can increase agricultural productivity and strengthen the resilience of rural communities and their natural resource base.

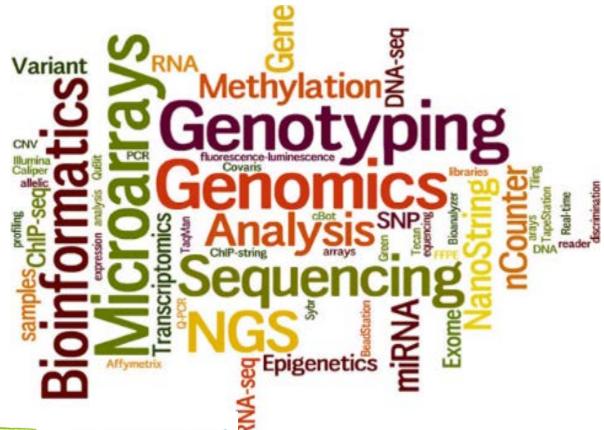






Cacao Genetic Diversity

Mitigation & Adaptation - Reducing Risks – Increasing Opportunities





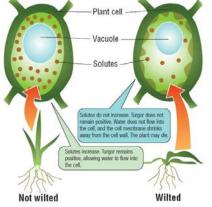




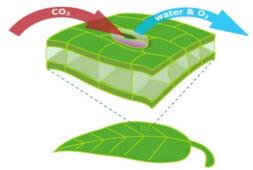
What we know



Osmotic adjustment No osmotic adjustmen



Carbon dioxide enters, while water and oxygen exit, through a leaf's stomata.

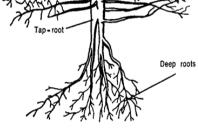


Grafting Trials Suceptible un grafted scion

Suceptible scion grafter into a toleran prolific rootslock

Agroforestry







NFERENCE 201

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What we need to do more of?





Screen genetic diversity

Identify tolerant materials

Test on multi-sites

Integrate into breeding

Evaluate in farmers' fields

Propagate & distribute









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Thank you

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BARRY (()) CALLEBAUT











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