

Measuring and Monitoring Operational Impact on Biodiversity in a Palm Oil Landscape

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Our activities in SE Asia



The value of RSPO-Certification?





planned
changes





planned
changes



= Sustainability?

Documenting operational impact

Output level

Available safety equipment

Sexual harassment policy

Set aside HCVs

Prudent use of fertilizers



Paper documentation
= check-boxes



Sustain.....

**Compliance set-aside
is not enough**

Documenting operational impact

Output level

Available safety equipment

Sexual harassment policy

Set aside HCVs

Prudent use of fertilizers



Paper documentation
= check-boxes

Outcome level

How many injuries?

How many cases?

Constant biodiversity in HCVs

Water quality



On-the-ground documentation
= systematic sampling



Sustainability

Put mechanisms in place

- Mainstreaming of the sustainability concept
 - Integrate environmental concerns into SOPs
 - Mainstream adaptive management processes
- Build up internal environmental capacity

Outcome level

OUs, how many and where?

Management of HCVs

Baseline biodiversity indexes

Water quality

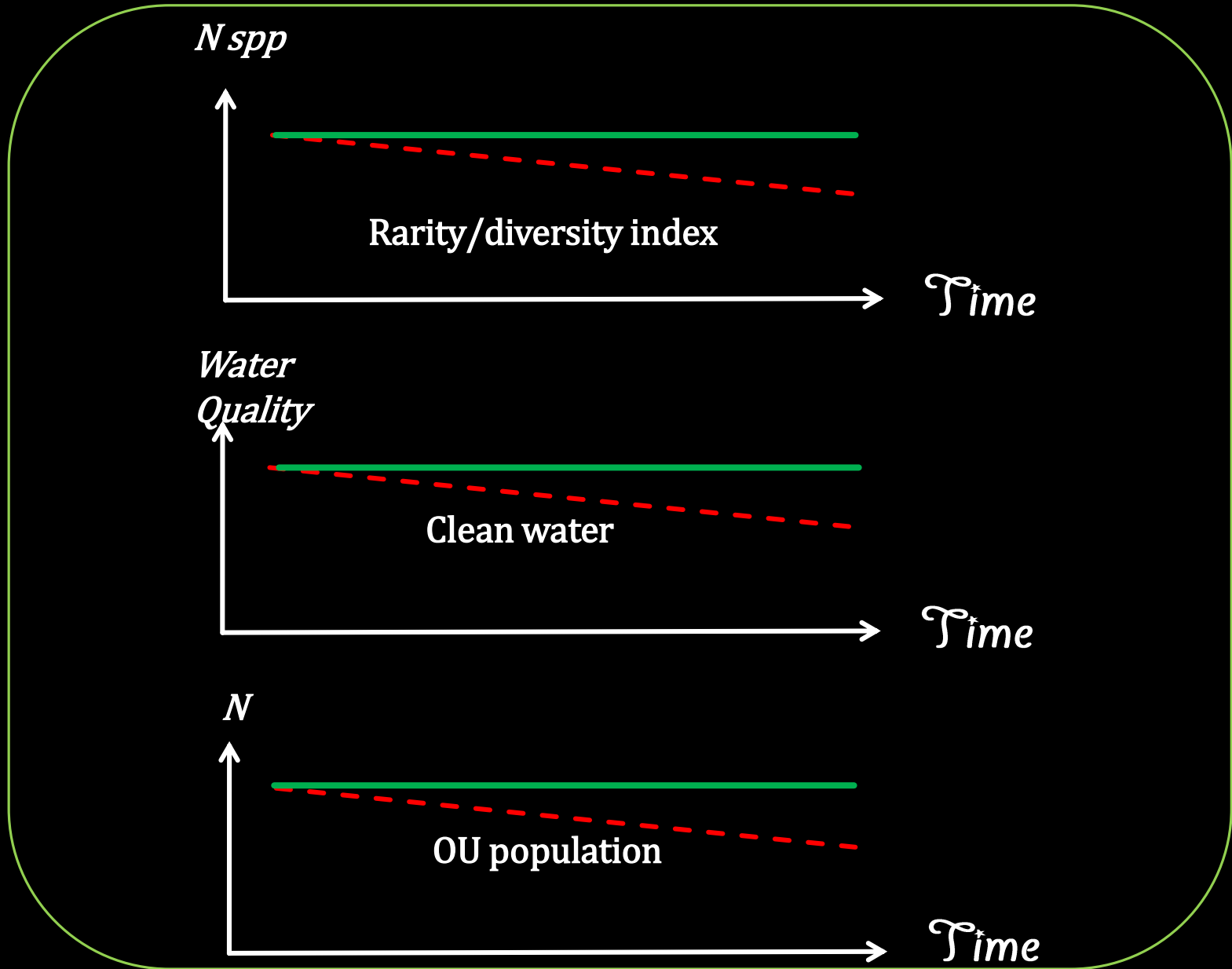


On-the-ground documentation
= systematic sampling

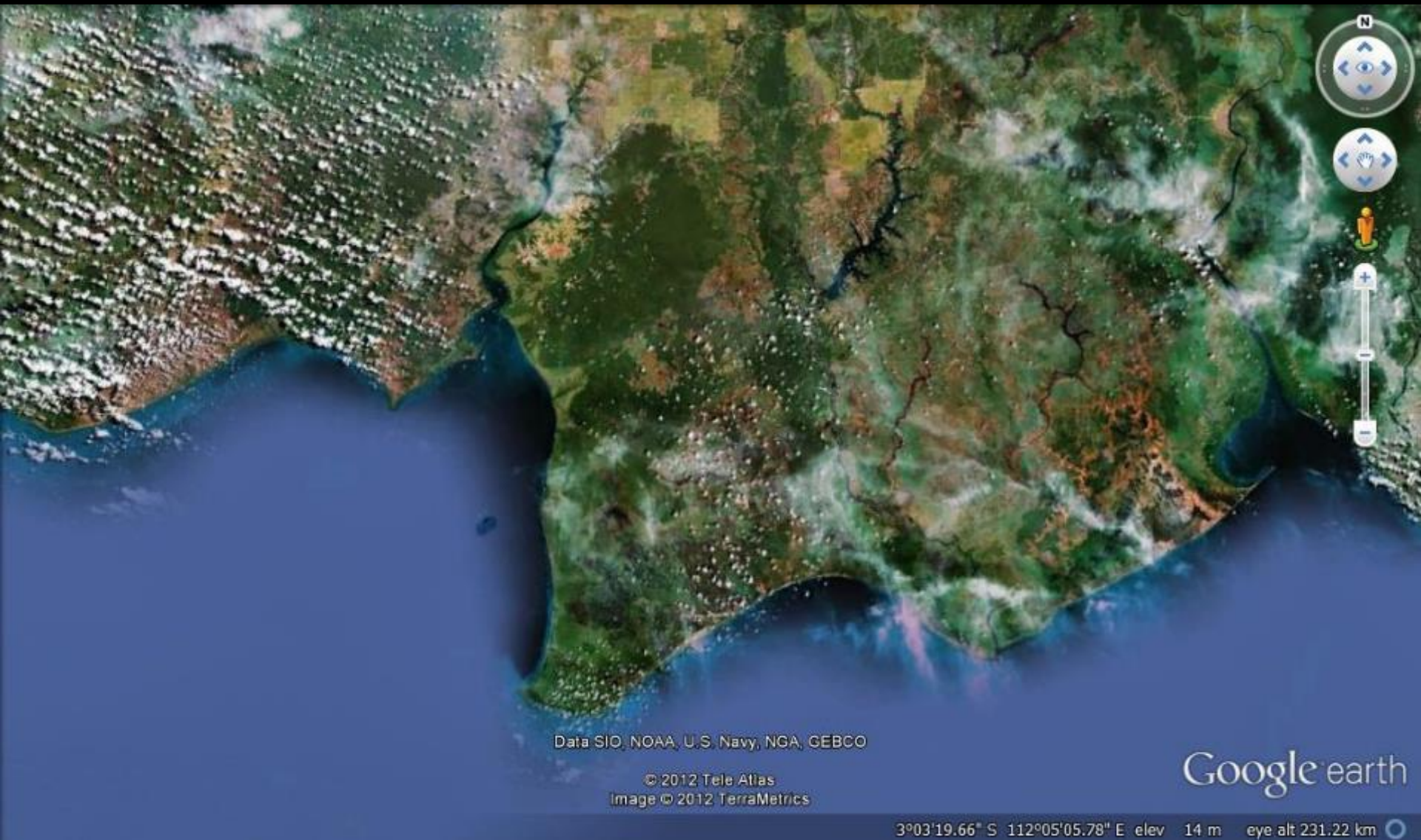
“It is not enough to do your best; you must know what to do, and then do your best”

William Edwards Deming

Documenting the operational impact



Zoo and United Plantations Bhd



The setup of a Biodiversity Division

Fo

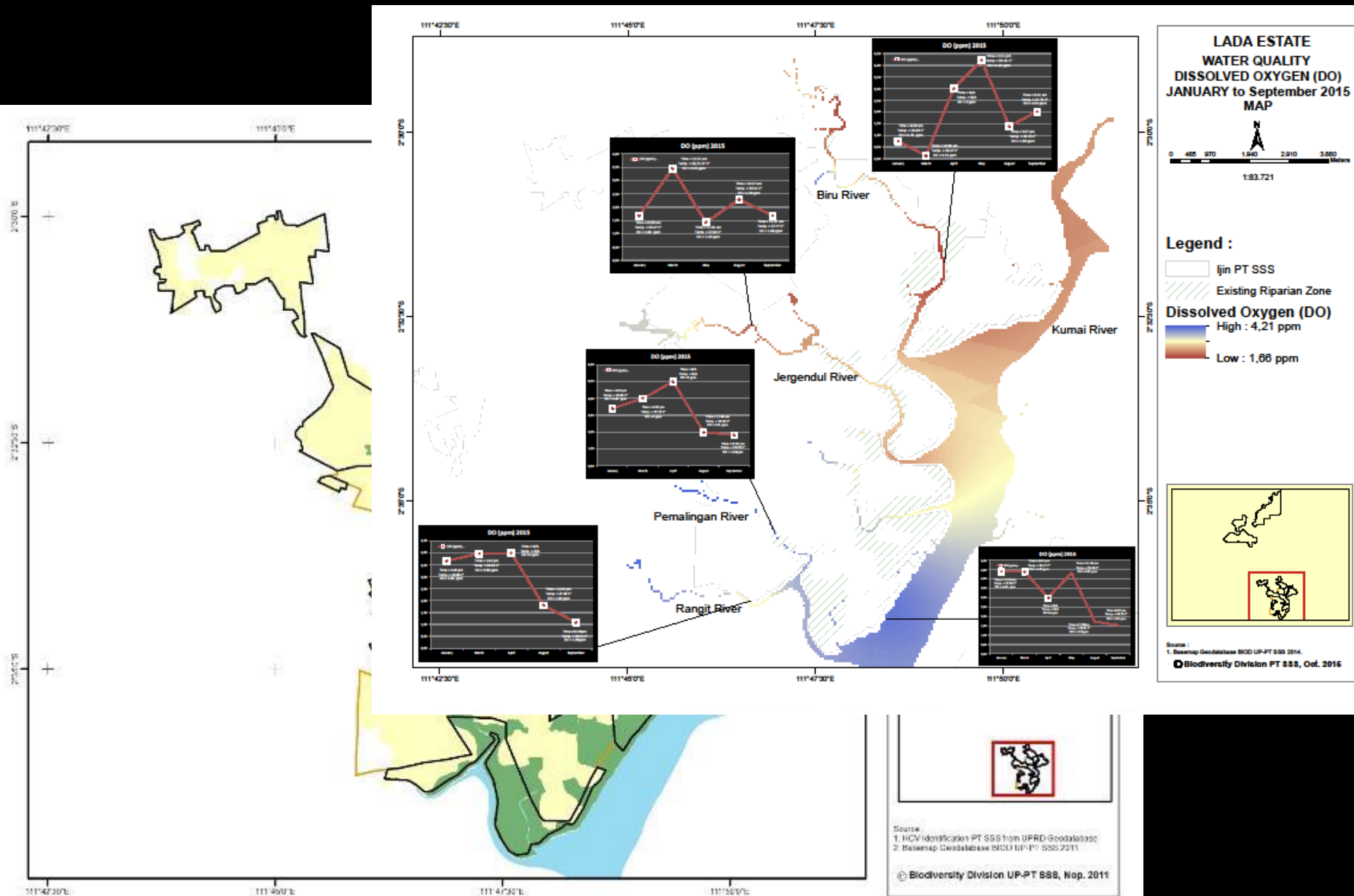
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GIS in the planning process



GIS in the planning process



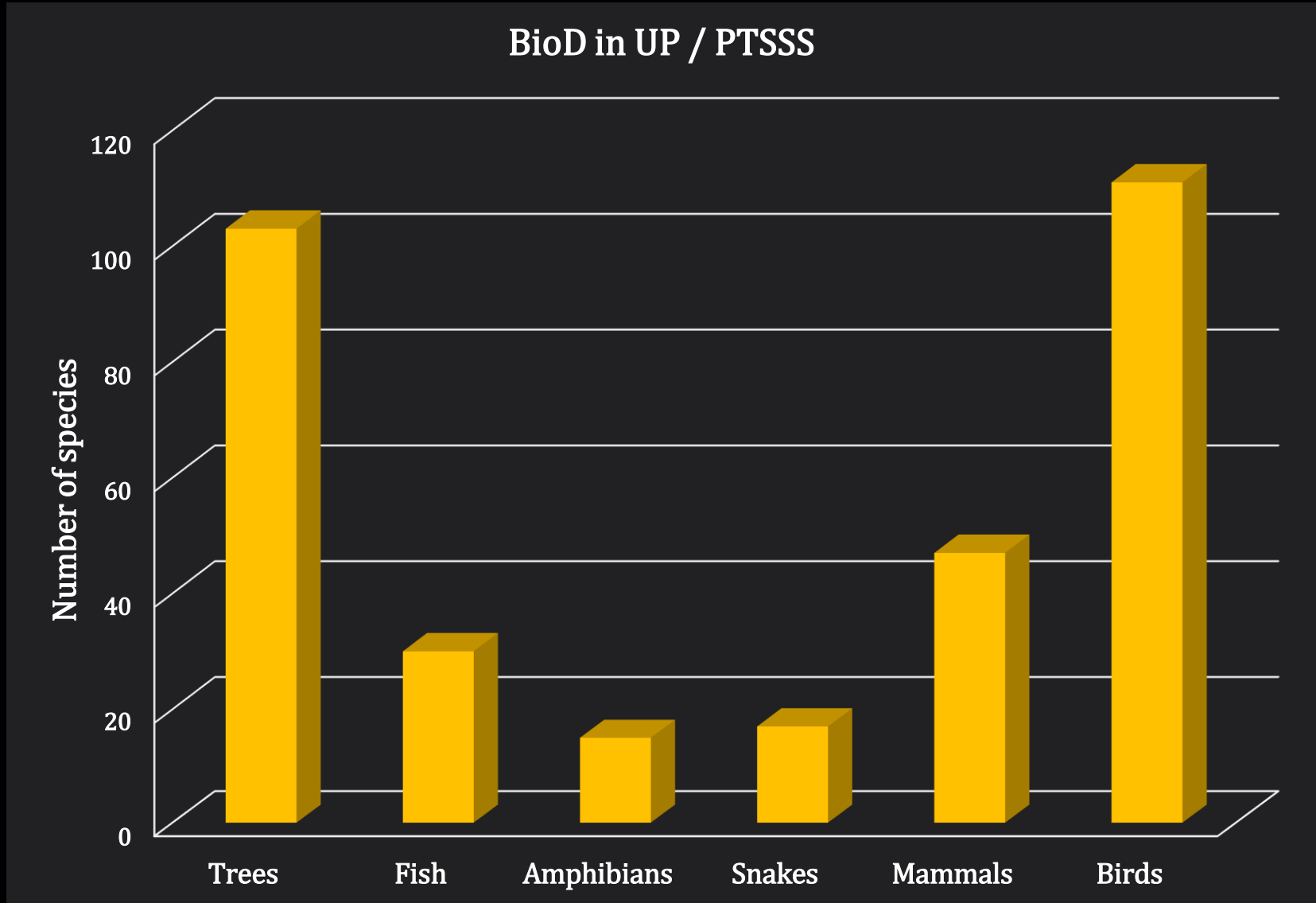
Baseline biodiversity surveys



Baseline biodiversity surveys



Baseline biodiversity surveys



The ecology of leopard cats



The ecology of leopard cats



The ecology of cobras



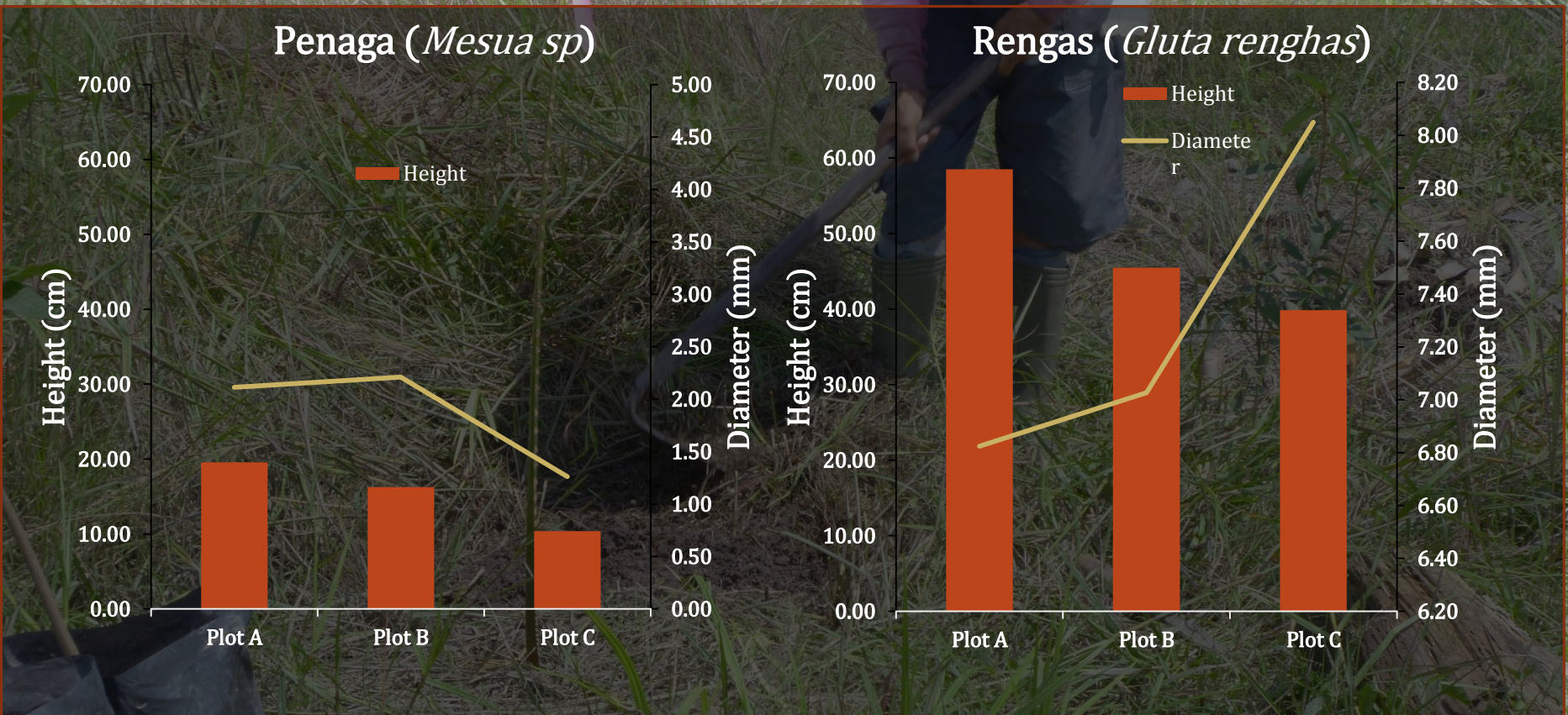
The ecology of cobras



The rehabilitation process

- Collected ~70.000 seedling from 83 species
- Set up preliminary test plots to study various out-planting scenarios
- Purchased ~20.000 seedlings (cost = IDR 1500-2500 per unit)
- Out-planted ~30.000 seedlings

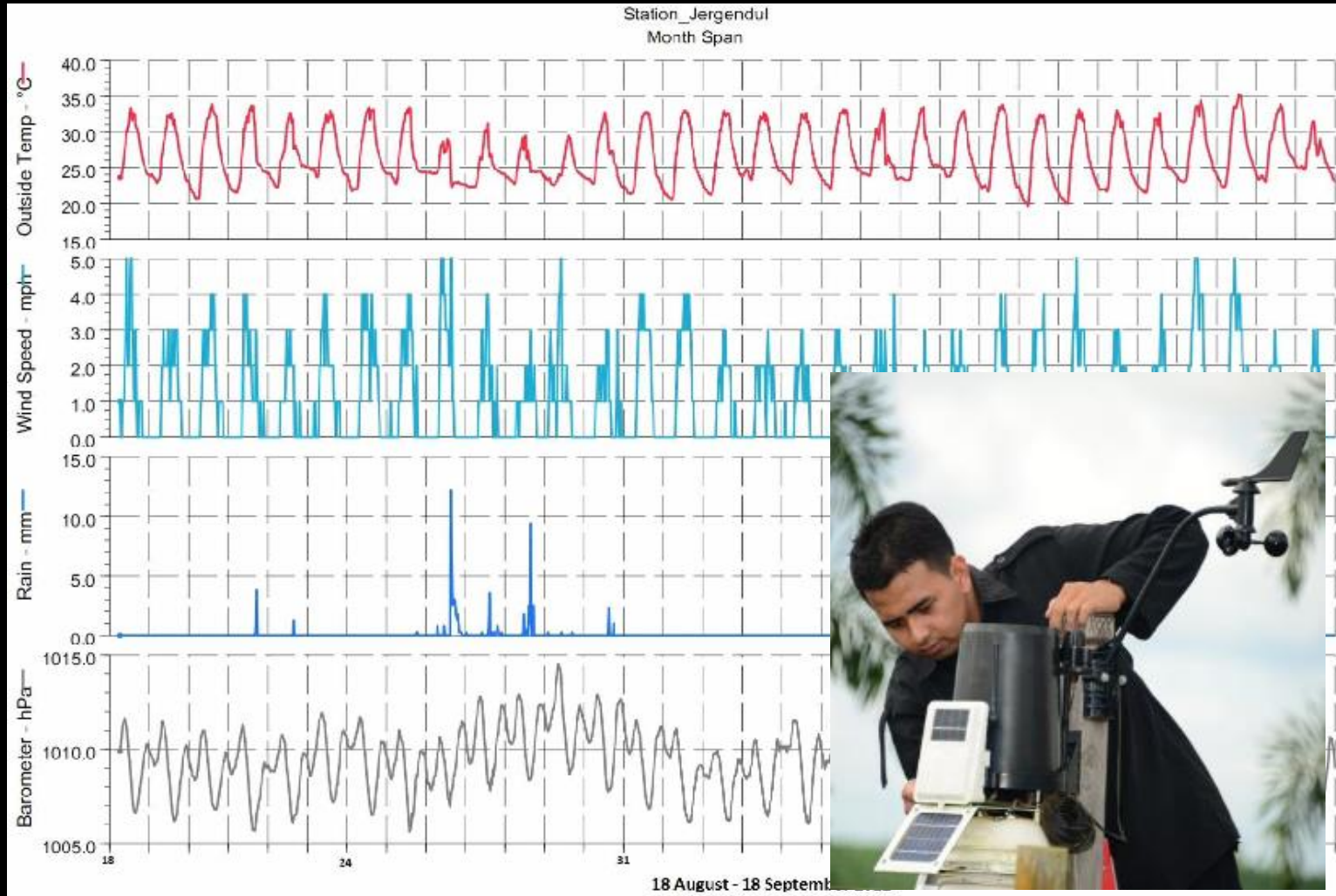
The rehabilitation process



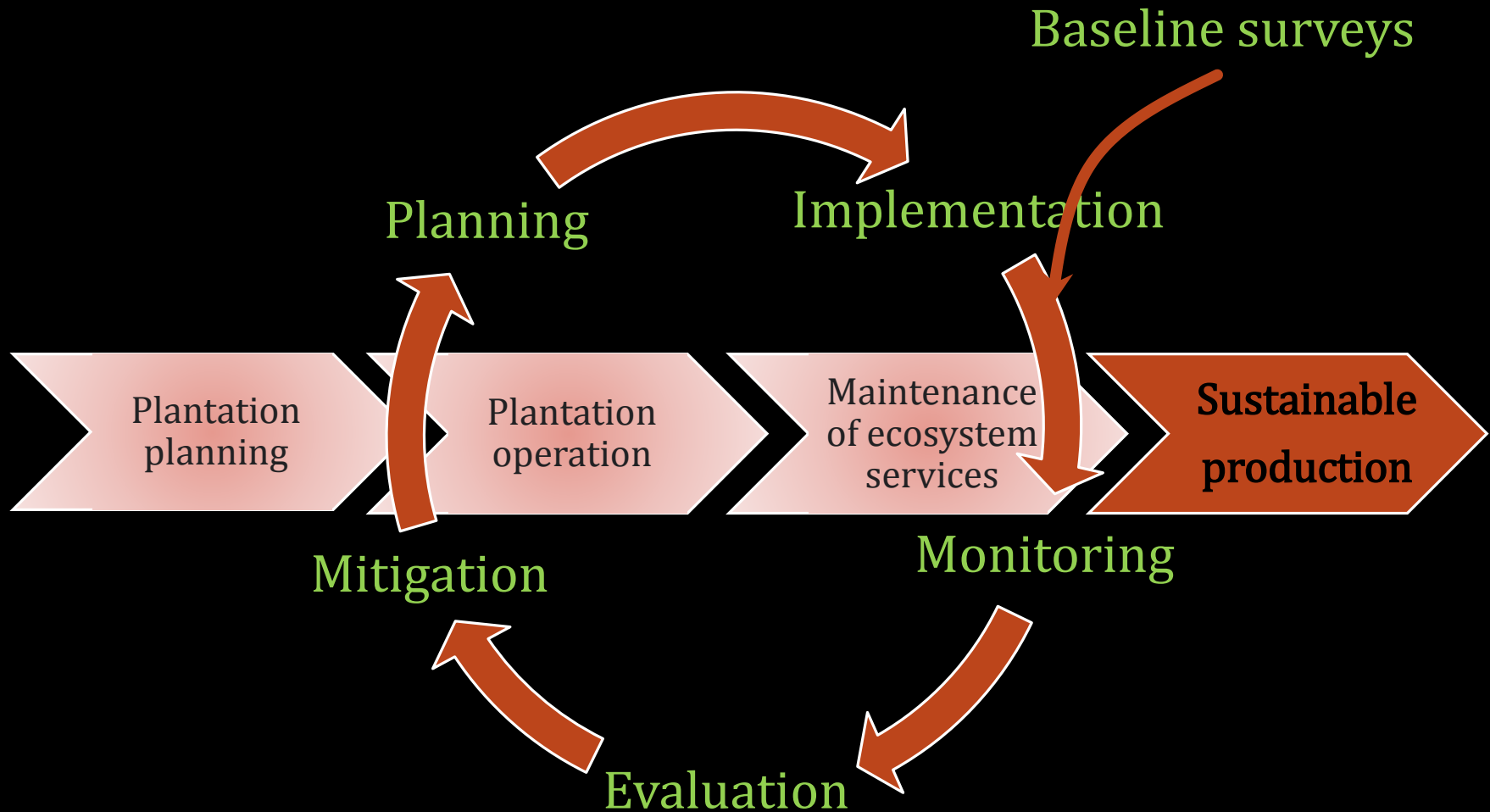
The rehabilitation process



(Micro-) climate



Adaptive management approach



Drones....but of course



Drones....hmmmmm?



*“We came all this way to explore the moon, but
the most important thing is that we discovered
the Earth”*



William A. Anders (Apollo 8)

Thank you!

UP

