

PLANEJANDO PAISAGENS PRODUTIVAS SUSTENTÁVEIS

Planning Sustainable and
Productive Landscapes

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ISCC Conference
*Implementation of Sustainable Supply
Chains for Agricultural Commodities*

A **sustainable agriculture** in Brazil must be based on:



✓ Environmental and Social friendly production,

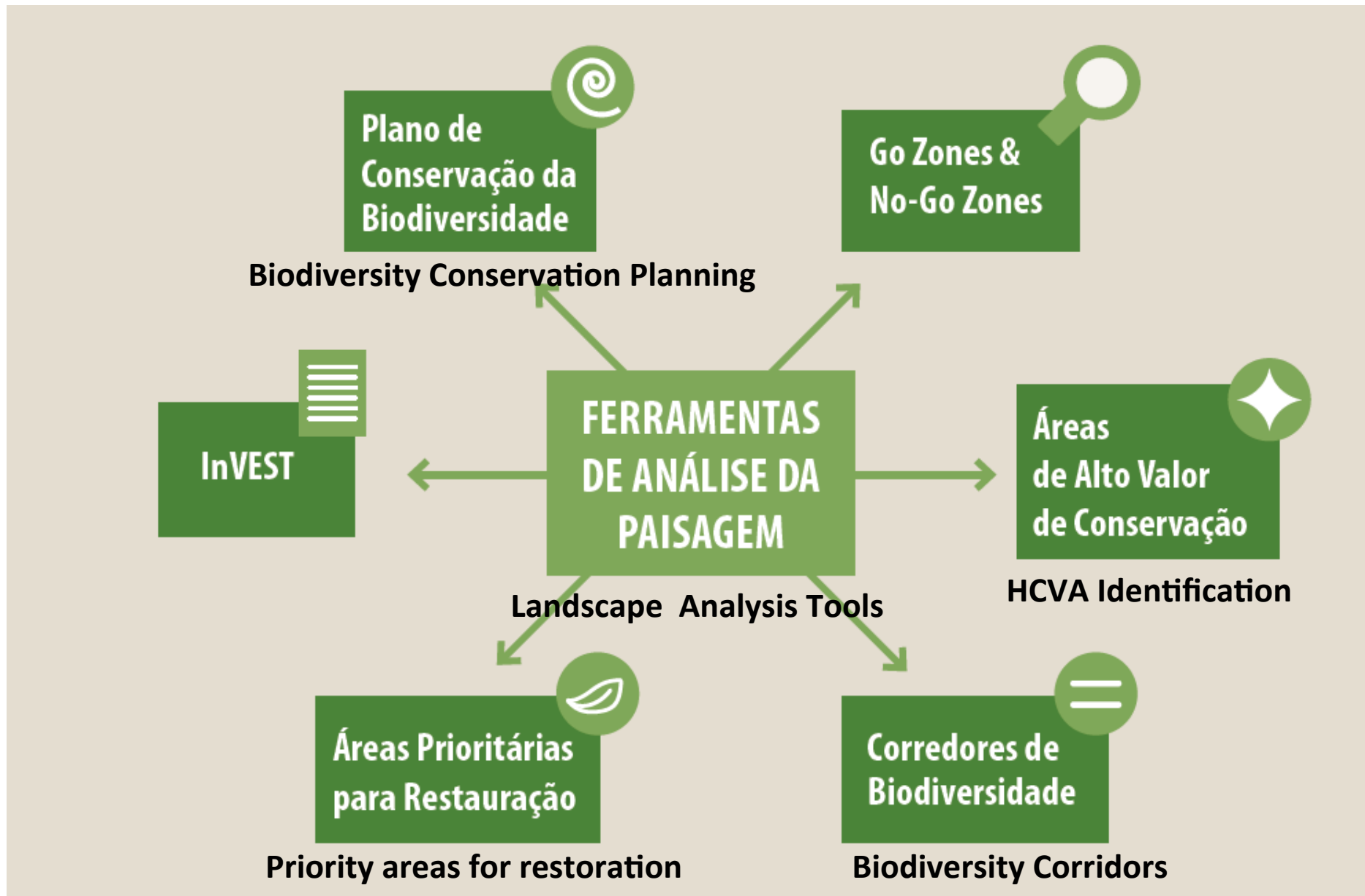
✓ Rural properties in compliance with Legislation,



✓ Agriculture expansion without impact on natural vegetation remnants.

✓ Reduced impact on natural resources (biodiversity, water, soil, air)

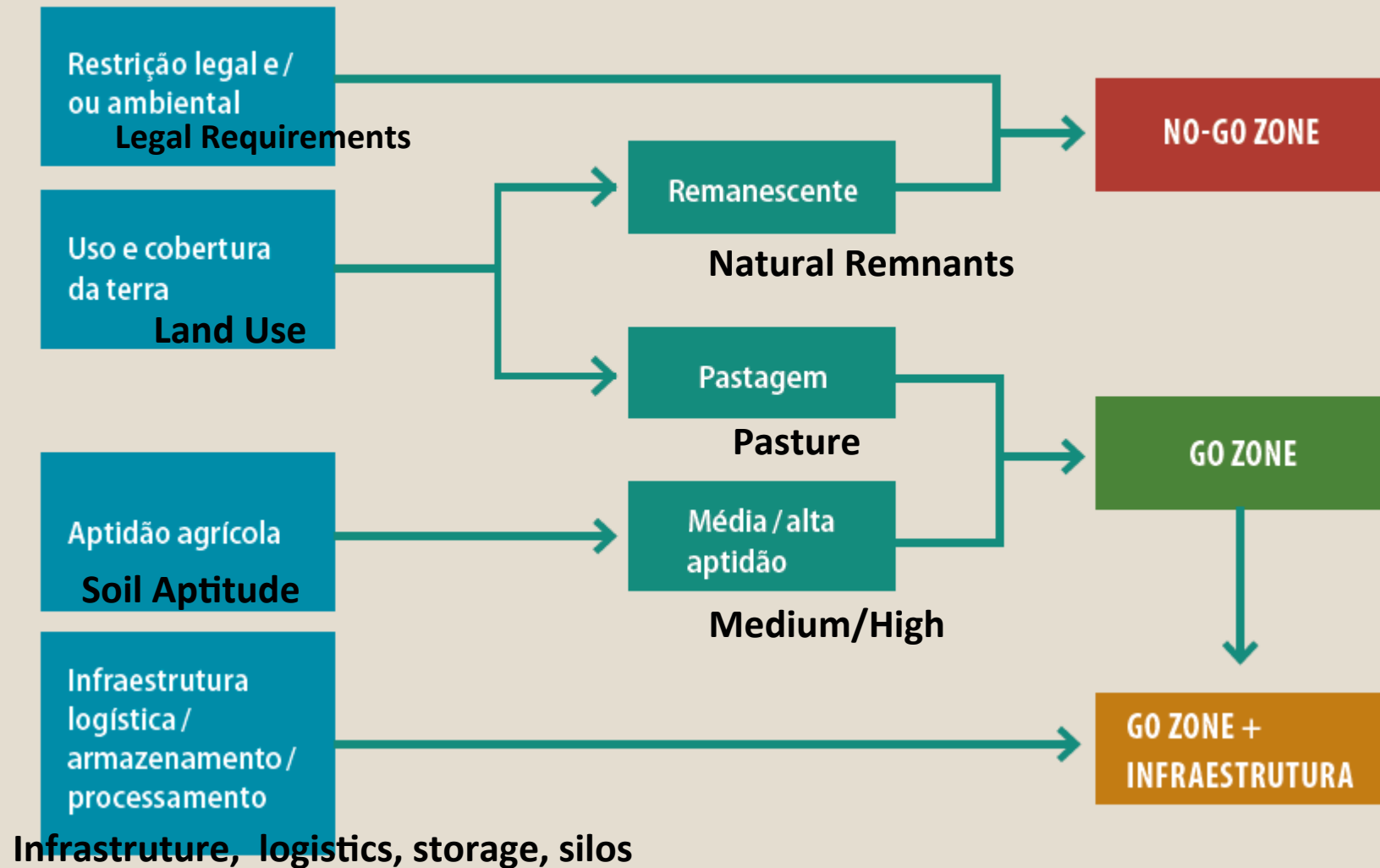






ESQUEMA SIMPLIFICADO PARA IDENTIFICAR ÁREAS GO ZONES E NO-GO ZONES

Go Zones Identification Chart





Productive area

Productive area (adaptation)

Productive Areas (aptitude)

Unproductive (Low aptitude)

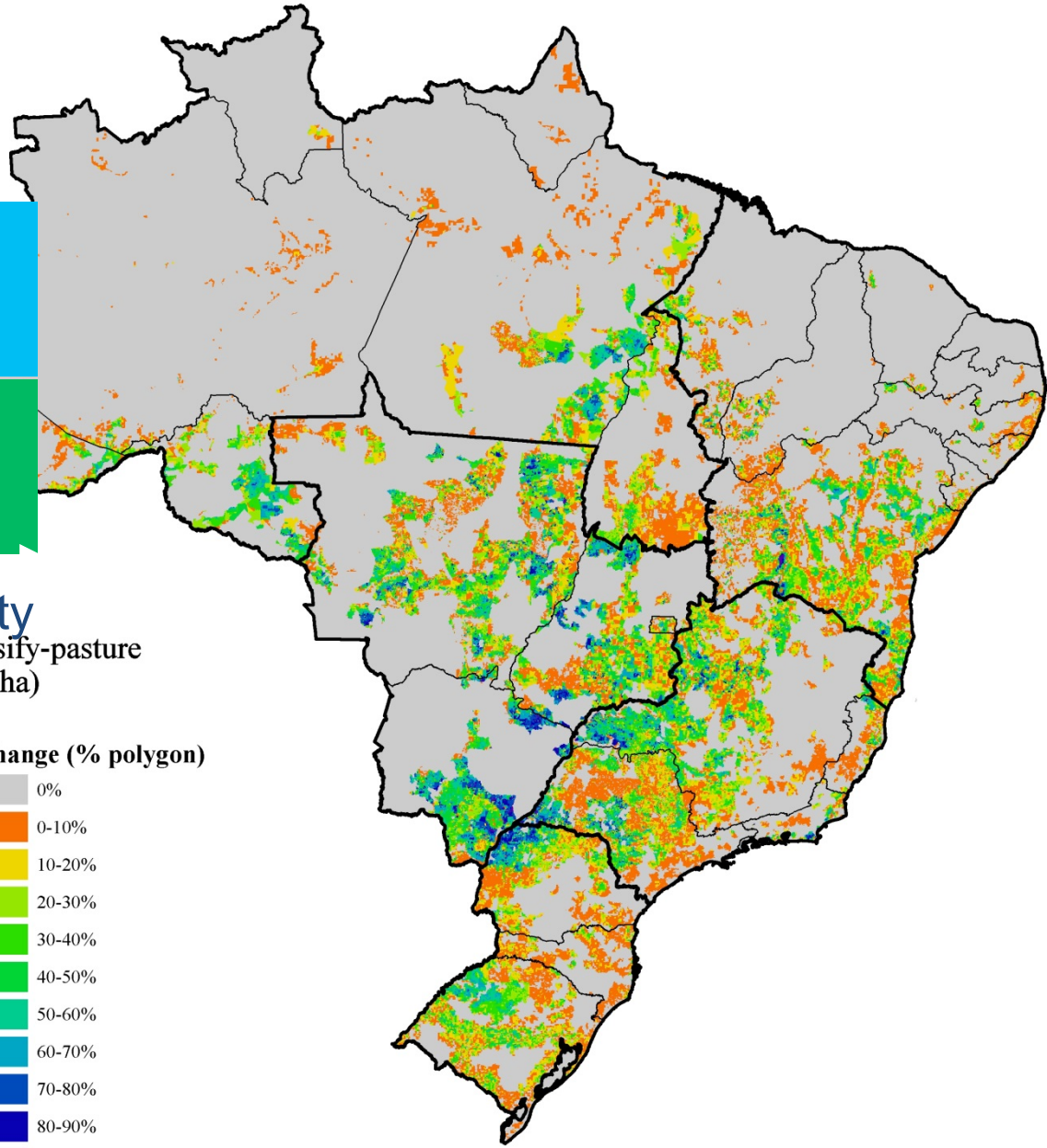
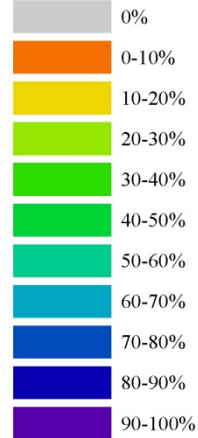
Higher productivity potential



Aptitude/Capability

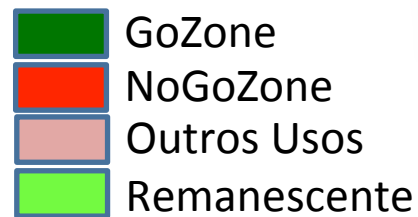
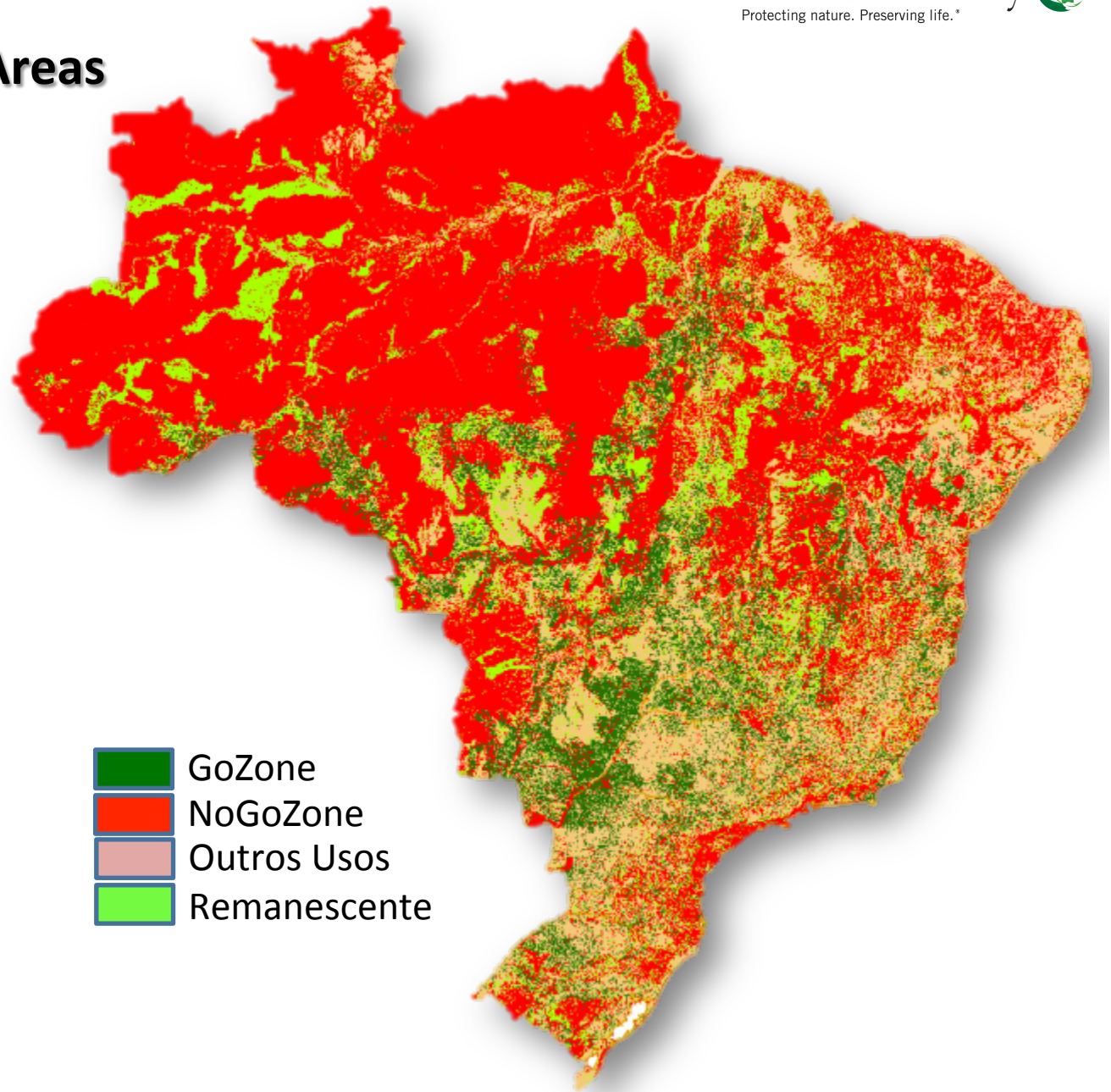
Intensify-pasture (52Mha)

LU change (% polygon)

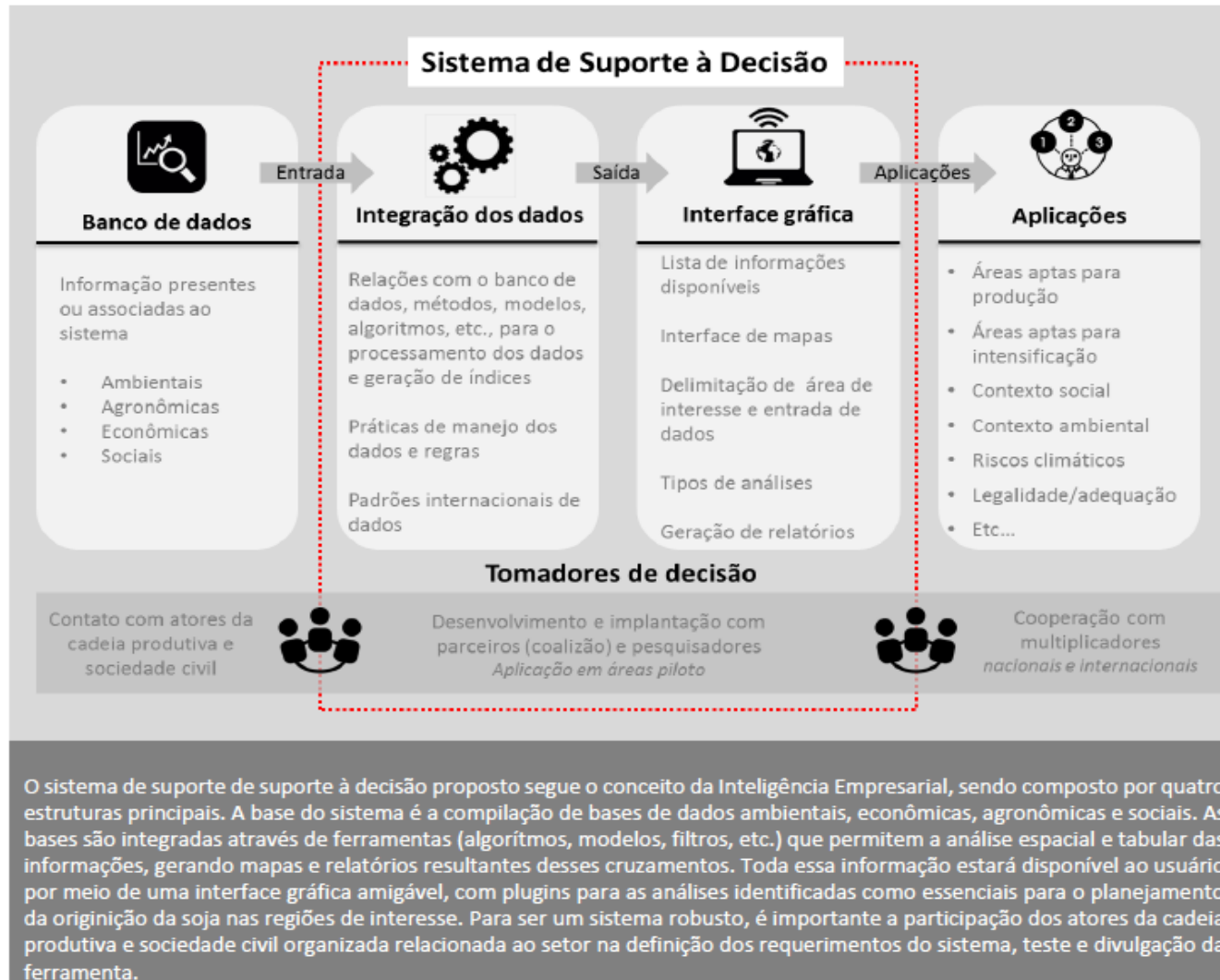


Go and No Go Areas

| ESTADO | GoZone Ha | NoGoZone Ha |
|--------------|-------------------|--------------------|
| AC | 797673 | 12091297 |
| AL | 99377 | 440900 |
| AM | 380117 | 131953992 |
| AP | 15708 | 12730839 |
| BA | 7682202 | 23720073 |
| CE | 67577 | 8726339 |
| DF | 81718 | 182559 |
| ES | 628146 | 1251605 |
| GO | 9741548 | 8678667 |
| MA | 885033 | 18246962 |
| MG | 11827439 | 15534597 |
| MS | 10692477 | 11997074 |
| MT | 12662454 | 46553910 |
| PA | 5809489 | 96945698 |
| PB | 46565 | 2654985 |
| PE | 297710 | 3245299 |
| PI | 472084 | 16634230 |
| PR | 4405793 | 3991846 |
| RJ | 716913 | 1483650 |
| RN | 1 | 3068371 |
| RO | 3546889 | 15794616 |
| RR | 106223 | 18211816 |
| RS | 3956596 | 8298095 |
| SC | 893790 | 3603283 |
| SE | 106227 | 636165 |
| SP | 5246320 | 4161878 |
| TO | 2100054 | 14466812 |
| Total | 83.266.121 | 485.305.556 |

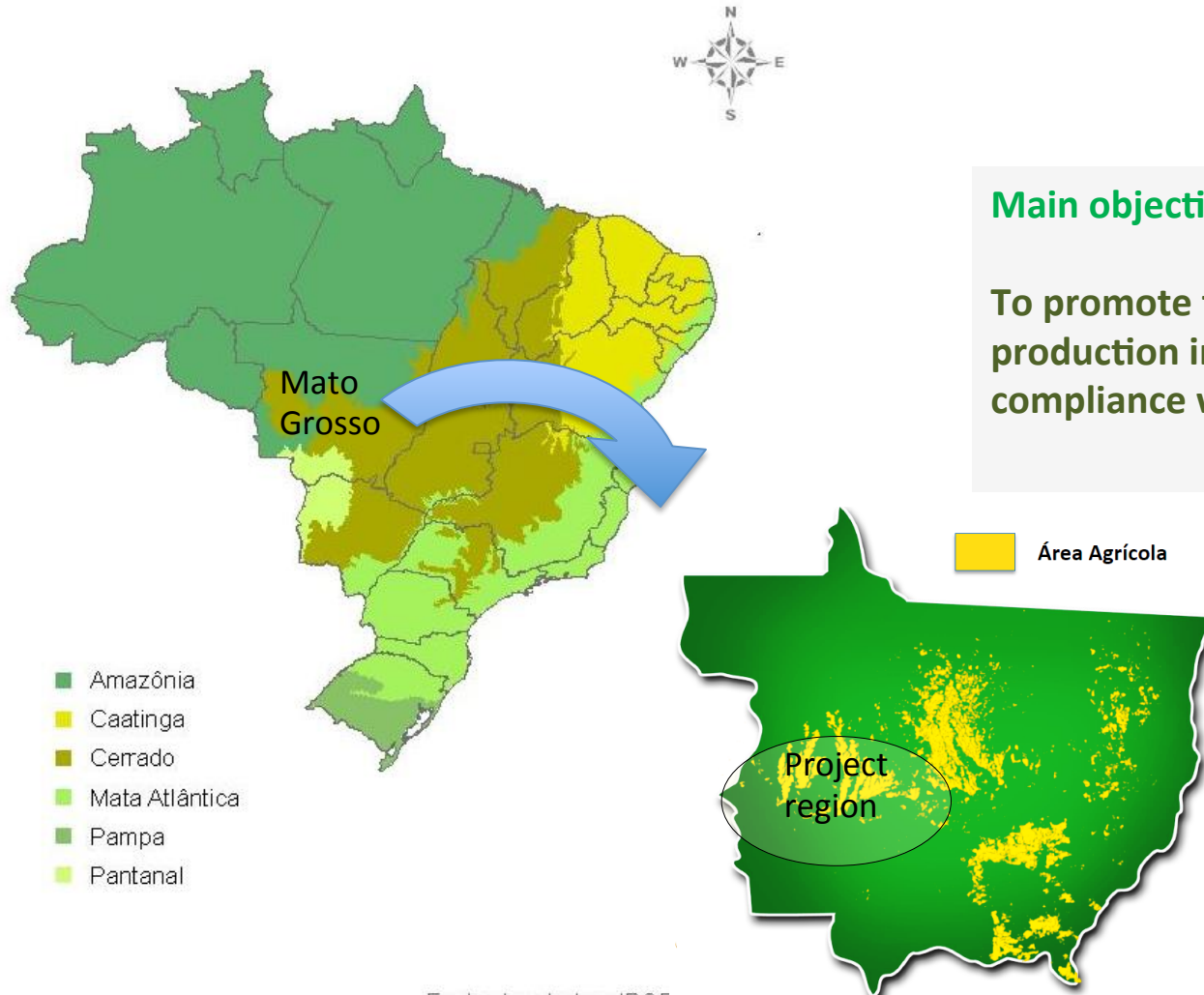


Decision Support System



TNC/Bunge initiative linked with CFA (Moore, TNC/WWF & NWF)⁸

Greener Soy Project



Main objective

To promote the sustainable soybean production in **Mato Grosso State** in compliance with Brazilian regulations.

Fonte dos dados: IBGE



Greener Soy Project



Description of the region:

- Mato Grosso State responsible for **9% of world Soybean production**
- Northwestern Brazil
- Cerrado/Amazon Biomes
- Alto Teles Pires River Basin

Project in numbers:

- 8 municipalities involved
- 8.200 rural properties
- **5 million hectares (> than Switzerland!)**
- ~ 2 million hectares of Soy plantations
- *186 thousand hectares of river margins to be restored.*
- *12 thousand hectares of river margins to be restored.*



Greener Soy Project



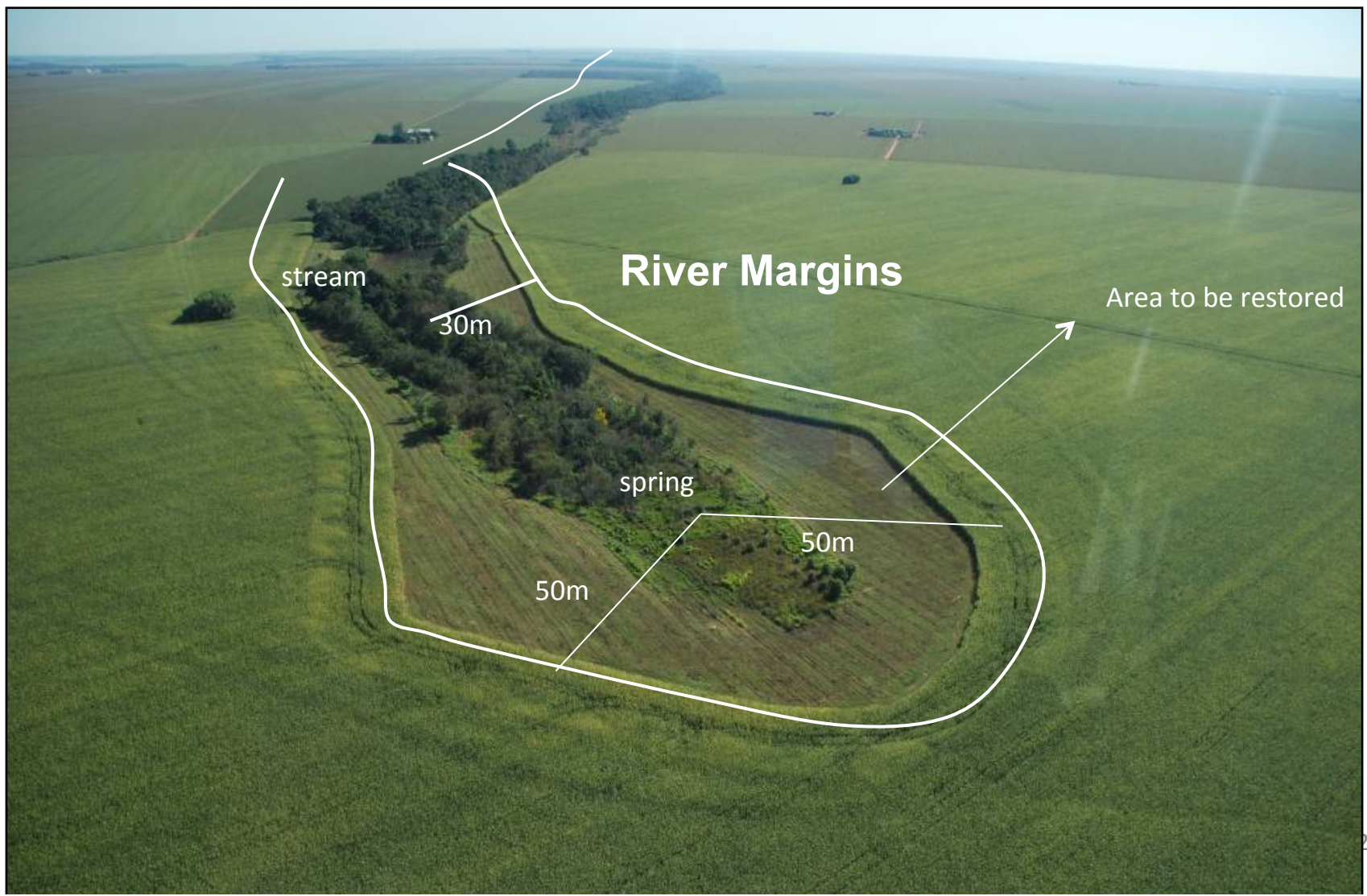
Main results:

- ✓ 5 million hectares mapped
- ✓ 100% inserted - online database
- ✓ Equipments in use (GPS, laptops, printers)
- ✓ Staff trained to registry producers in rural unions and city halls.

Actions – Second Phase:

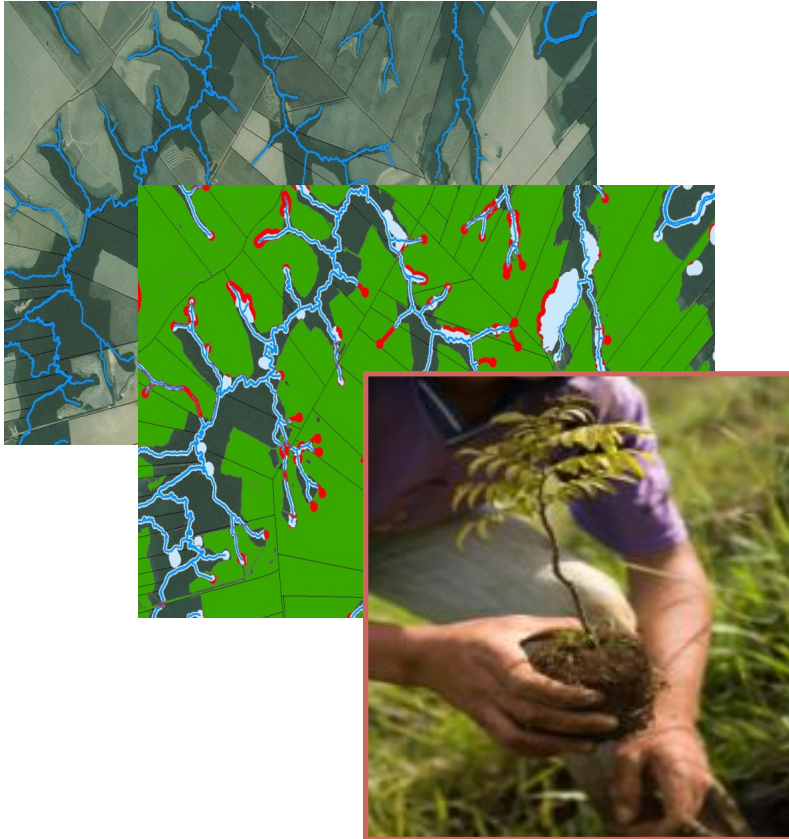
- ✓ Restoration Diagnosis and Regional Plan
- ✓ Low cost restoration techniques dissemination
- ✓ Best practices dissemination.

Phase 2 – Restoration



Phase 2 – Restoration

Step 5 – Restoration Chain Diagnosis/ Regional Plan



1. Identification of areas to be restored (mapping) ✓

2. Diagnosis

Main actors consultation :

Growers, mayors, technicians, seed collectors, nurseries owners,...

3. Regional Restoration Plan

http://www.nature.org/media/brasil/perf_teles_pires.pdf

- Capacity/support building strategy
- Demands for seedlings
- Low cost techniques solutions
- Restoration structure needs identified (seeds processing, trainings, nurseries, equipments...)
- Rural producers engagement

Thank you! Obrigada!



<http://www.tnc.org.br/nossas-historias/publicacoes/livreto-planejando-paisagens-produtivas.pdf>