



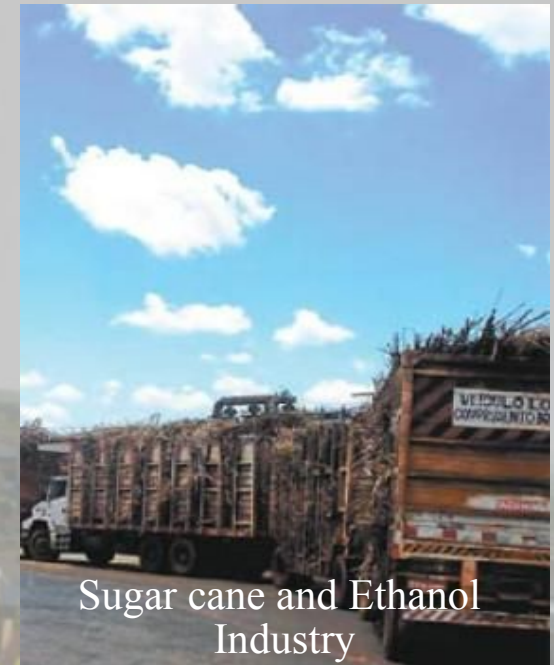
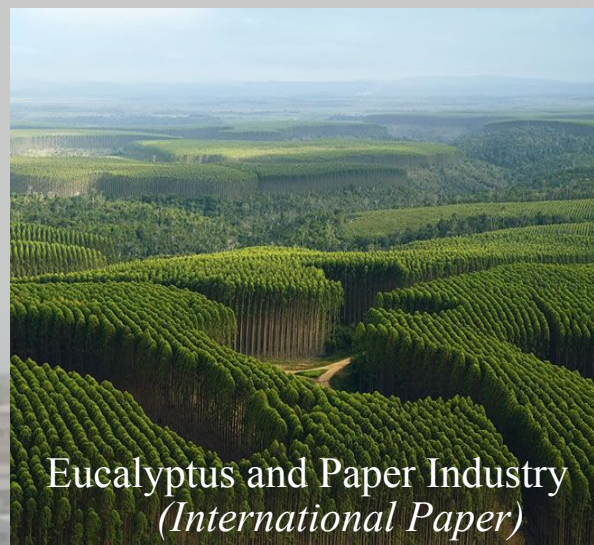
**Dom Bosco Catholic University (UCDB)
Campo Grande, Mato Grosso do Sul, Brazil**



Mato Grosso do Sul



Mato Grosso do Sul (Main Productive Chains)



Mato Grosso do Sul – Biodiversity and Ecotourism



Blue Lake Cave (Bonito)

Pantanal Known Species

- 3,500 species of plants
- 325 fish
- 53 amphibians
- 98 reptiles
- 656 birds
- 159 mammals

Size: 250.000 km²



Pantanal (World Largest Wetland)



UCDB – Main Campus

Creation: 1961
15.000 students



UCDB – School Farm



Museu das Culturas Dom Bosco

MCDB

UCDB – Dom Bosco Museum for the Cultures



UCDB – Museum for the Cultures

Dom Bosco Catholic University – Main R&D Lines

- Food Technology and Safety
- Sustainable Use of Natural Resources
- Biotechnology Applied to Agroindustry and Agriculture
- Sustainable Development by Family Agriculture
- Biotechnology Applied to Health
- Signal Acquisition, Instrumentation and Microprocessor Systems
- Machine Learning and Computer Vision

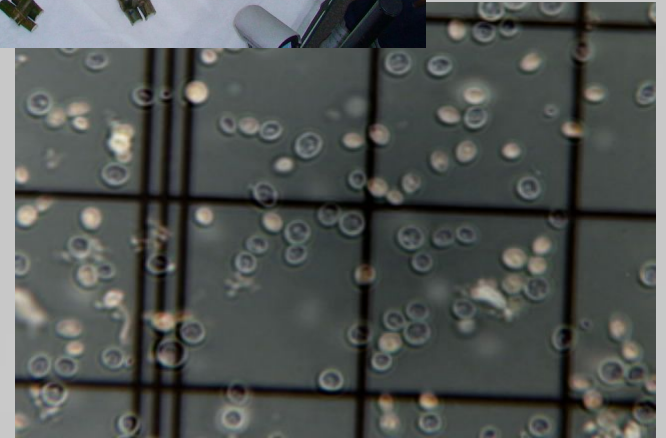
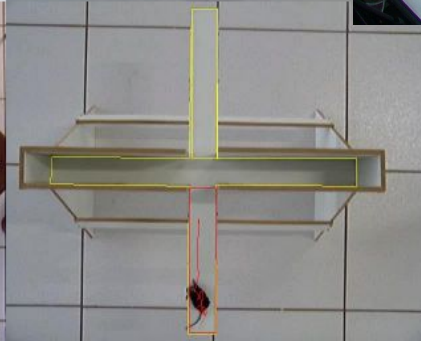
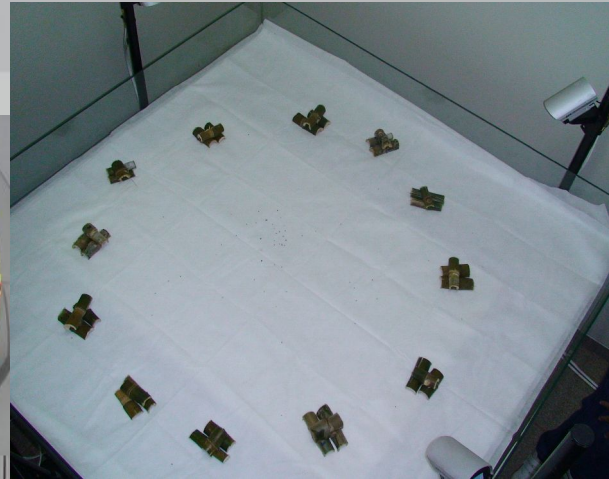
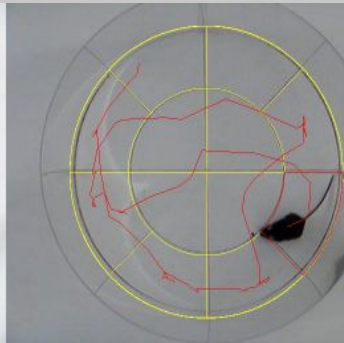
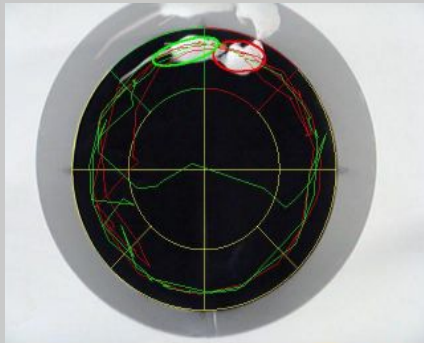


Dom Bosco Catholic University – Main R&D Lines

- Indigenous Populations
- Hippotherapy
- Teaching practices
- Human Rights and Social Relations
- Education and Interculturality
- Psychology and the Health-Disease Process
- Educational Technology and Distance Education
- Child: Identity, Assessment and Psychotherapy
- The Sacred and the Mystical Faith in Territoriality

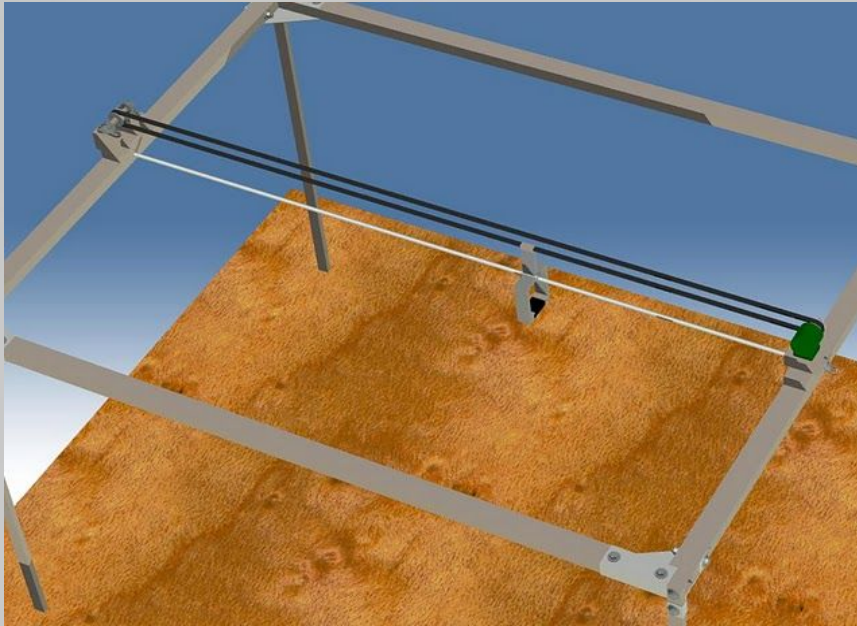


Some R&D Projects



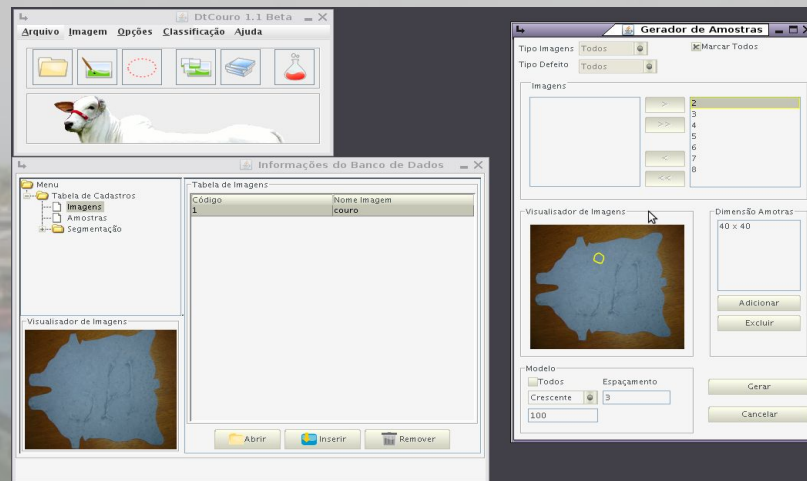
- * **Animal tracking and behaviour analysis**
- * **Microbiological control for Alcohol and Sugar industries**
- * **New larvicides and insecticides development**

Some R&D Projects

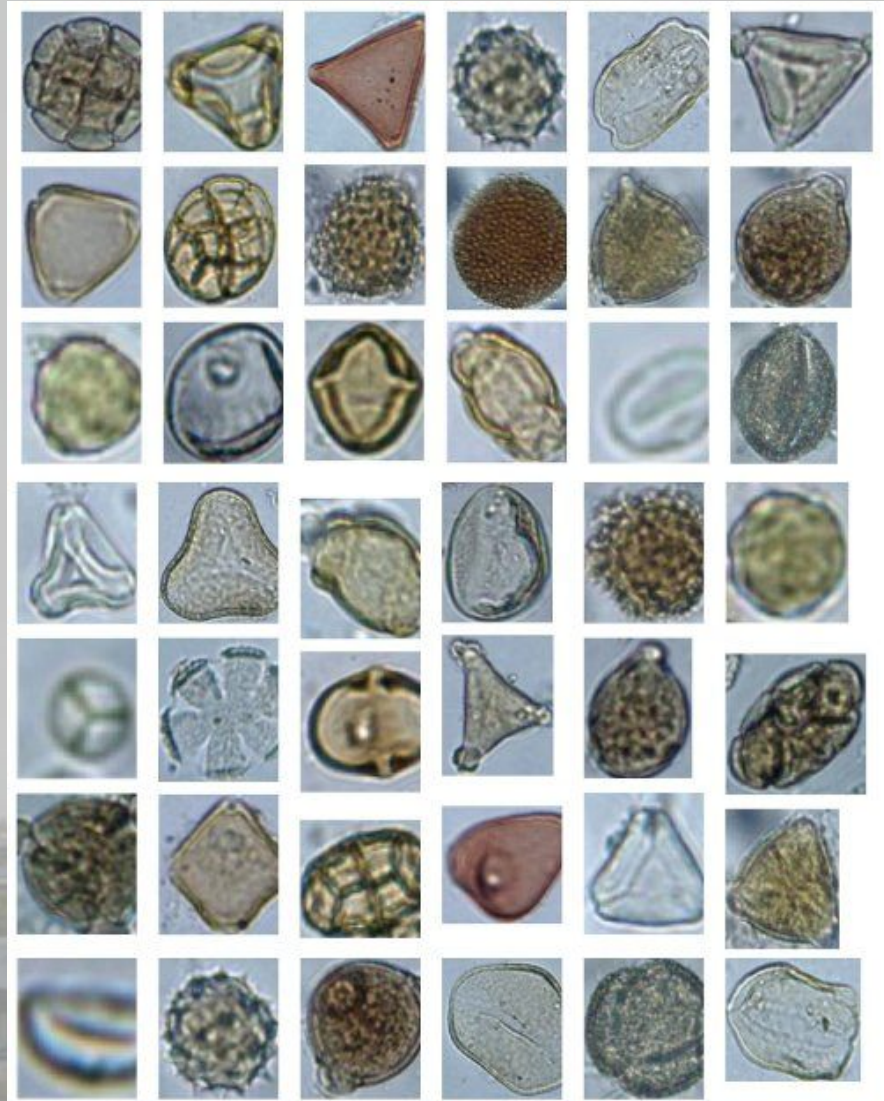
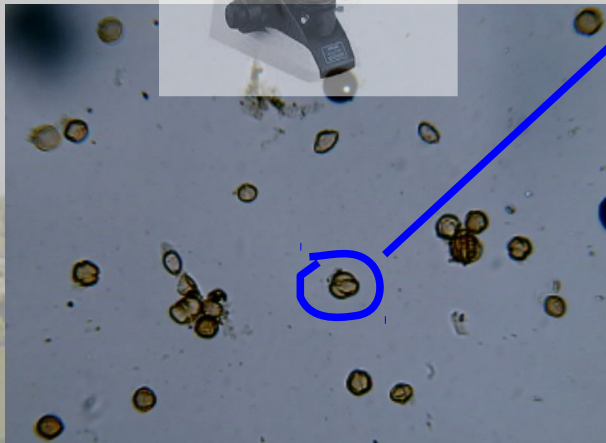


CORIU

Automatic classification of Bovine Leather using Computer Vision



Some R&D Projects



Automatic identification of honey origin

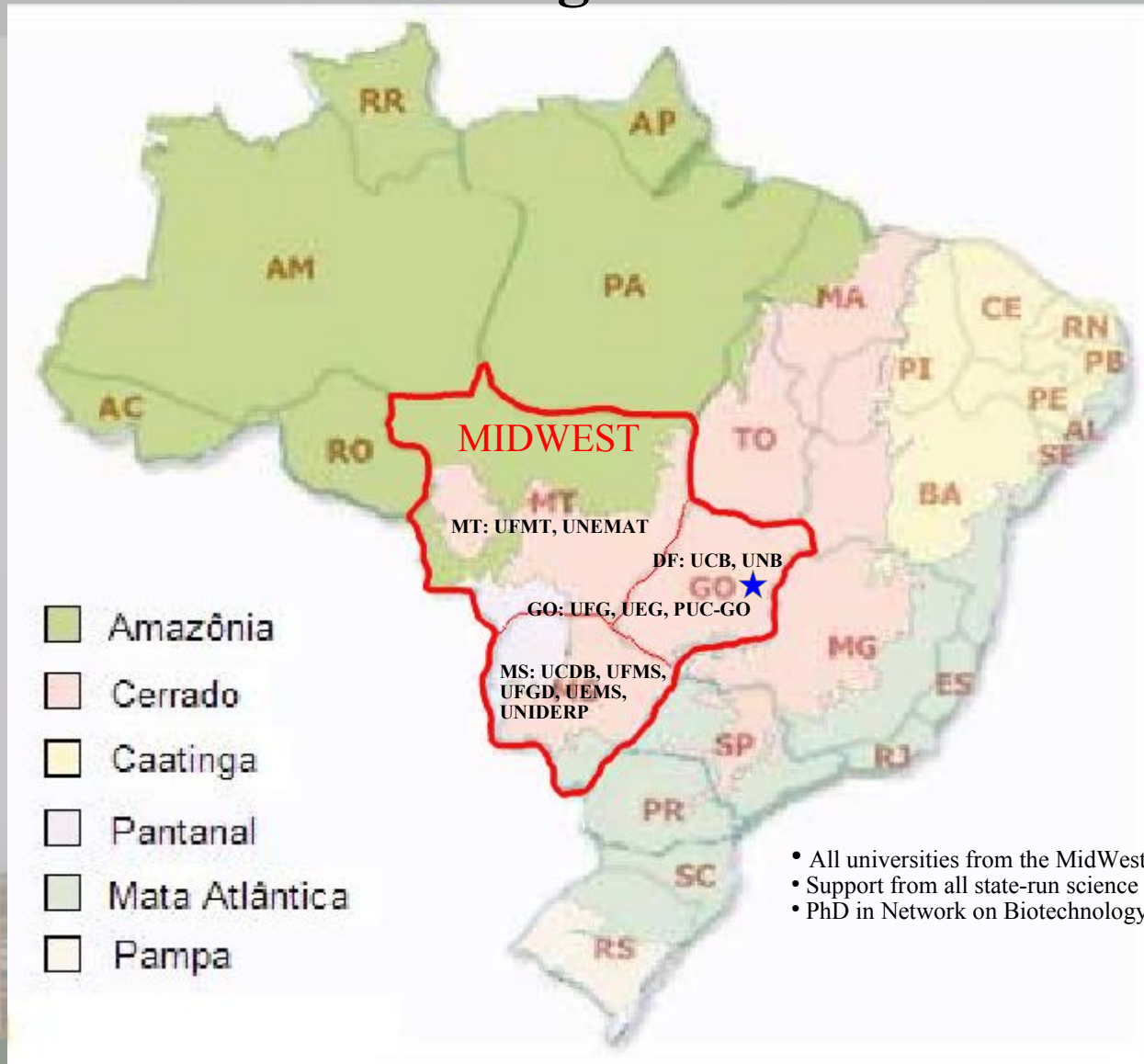
Some R&D Projects



Smartphone application for
Fish identification in
Pantanal's Aquarium

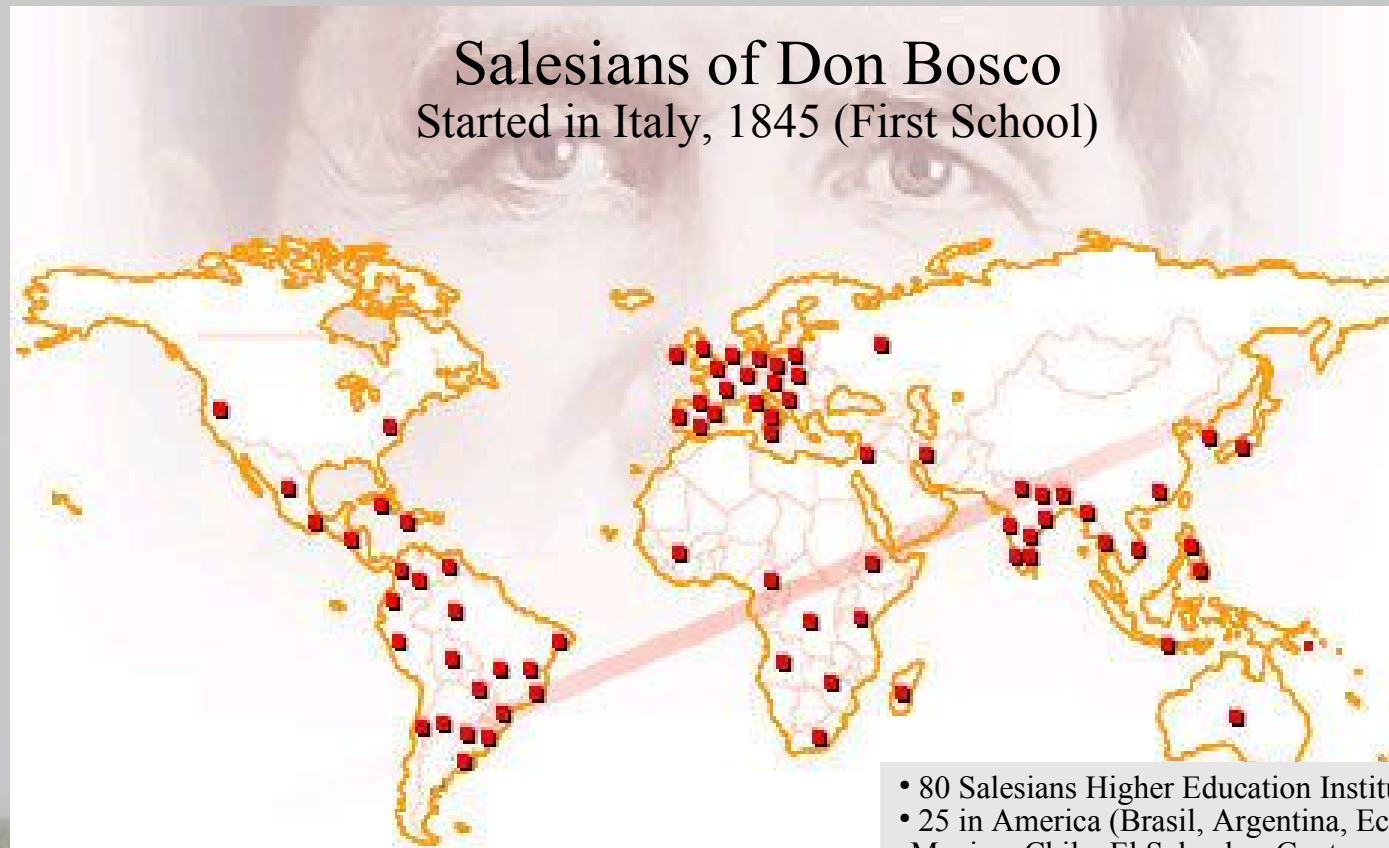


Major Networks involving UCDB - Pro-Midwest



Midwest Graduate, Research and Innovation Network (Pro-Midwest)
Cerrado and Pantanal Sustainable Development Through R&D&i

Major Networks involving UCDB - IUS



Salesians Higher Education Institutions (IUS)
Formely, Instituições Universitárias Salesianas

Some Goals

- Industry “in Campus” (the university can offer the space for installation)
- Teachers and students international mobility
- New partners for PRO-MIDWEST program (biotechnology research for Pantanal and Cerrado sustainable development)
- New partners for IUS – Worldwide network of Salesians Higher Education Institutions programs
- Joint international graduate programs
- Distance Education and Training
- Expansion of our Museum



For more information:

- UCDB's Website: [www . ucdb . br](http://www.ucdb.br)
- Hemerson Pistori: www.gpec.ucdb.br/pistori

