



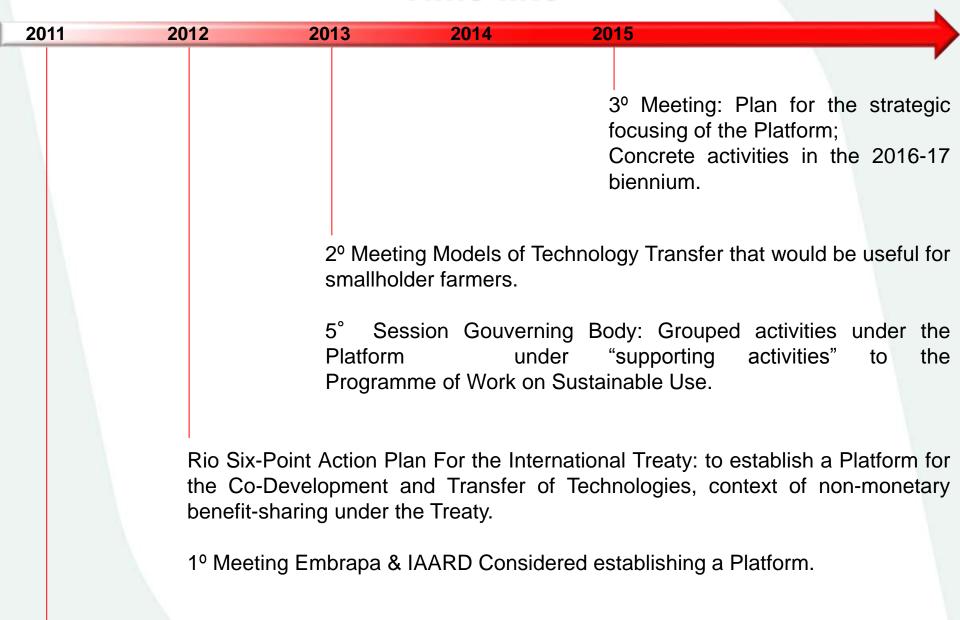
Technology Platform

Maria J. A. Sampaio Marcelo H. A. Freitas



Time line





4° Session Gouverning Body: Recomended measures to facilitate the Transfer of Tecnology.





Brazilian Agricultural Research Corporation

Establishment: 1973.



We are a technological innovation enterprise focused on generating knowledge and technology for Brazilian agriculture

Linked to the Ministry of Agriculture, Livestock and Food Supply (MAPA).

Mission

Provide solutions for research, development and innovation for sustainability of agriculture for the benefit of Brazilian society.



International Presence Scientific Cooperation, Technical Cooperation and Technological Business





Source: SRI-Embrapa - April / 2015

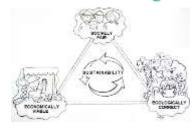
Virtual Laboratories Abroad (Labex), in the USA, Europe, China and South Korea International Offices in Latin America and Africa

Importants projects from Embrapa to the Plataform





Social Technologies



Genetic Resources



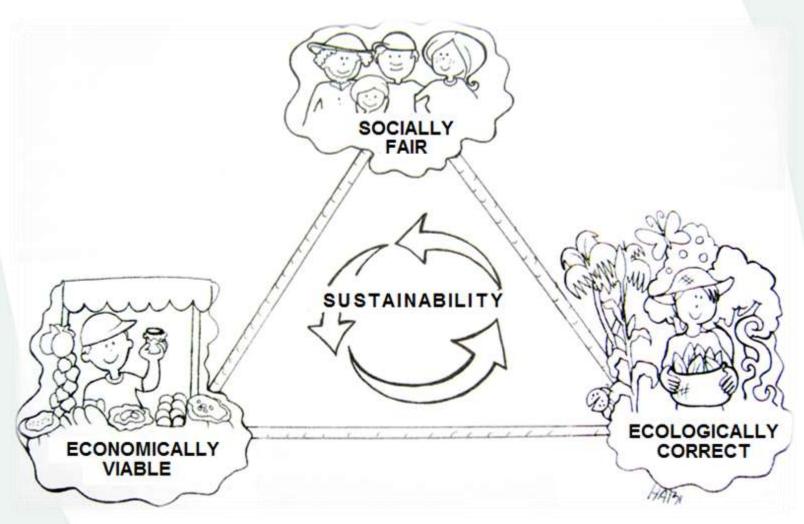
Partnership



Social Technologies



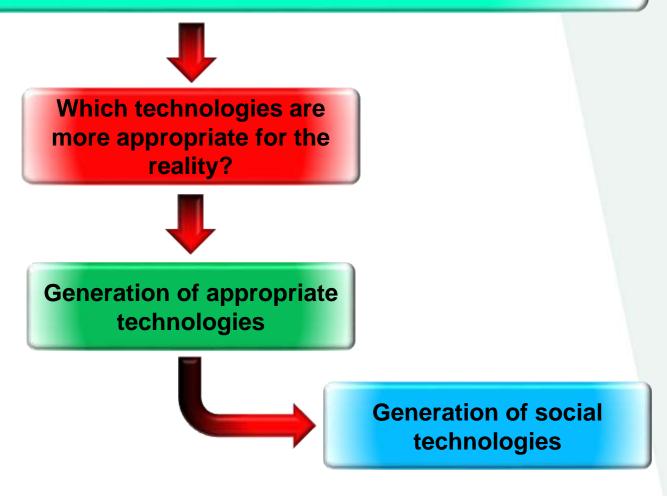
Social inclusion



Social Technologies



Projects that focus on specific problems from farmers' demands for adequate solutions (SOCIALLY, ECOLOGICALLY AND ECONOMICALLY) to the local conditions and, preferably, that are within DRS experiences or resulting from them.





EMBRAPA'S TECHNOLOGIES CERTIFIED BY THE BANK OF BRAZIL FOUNDATION







LITTLE DAMS FOR CAPTURING SURFACE WATER OF RAIN FALLS



Certified, 2003 - Embrapa Maize and Sorghum



Small reservoirs that, besides providing better conditions for families in rural areas, reduce environmental damage, especially erosion and siltation. The wetting promoted by the System of Little Dams (*Barraginhas*) in agricultural areas of lowland favors the development of family agriculture, providing conditions for planting orchards, sugarcane field and woodlands, as well as for raising small livestock.



BASIC SANITATION IN THE RURAL AREA **BIODIGESTOR ASEPTIC TANK**



Certified, 2003 – Embrapa Instrumentation



A system of biodigester aseptic tanks replaces the black pits at a low cost for farmers, prevents contamination of soil and of groundwater and prevents the spread of diseases caused by the ingestion of water inappropriate for consumption.

Fossa Séptica Biodigestora

O que é e como funciona













PRODUCTION OF VARIETAL GRAINS BY SMALL HOLDERS/FAMILY FARMERS



Certified, 2003 – Embrapa Rice and Beans

Encouraging the production of grains for food security (rice, beans and maize), in a sustainable way, without chemical inputs, using traditional varieties (creole), preservation and restoration of local environmental resources (soil, water) and reforestation with Cerrado-native fruit trees.



"PROSA RURAL" (RURAL TALK) EMBRAPA'S RADIO PROGRAM



Certified, 2005 – Embrapa Technological Information

"Prosa Rural" is a 15-minutes long weekly program, retransmitted by more than 1,300 community, business and education radios in the North, Northeast, South, Southeast and Midwest regions of Brazil. It discloses sustainable rural development, especially researches applied in everyday life of smallholders.



EMBRAPA'S KIT FOR MANUAL MILKING



Certified, 2007 – Embrapa Dairy Cattle

Equipment, suitable materials and procedures which are an alternative to minimise microbial contamination of milk due to manual milking, bringing, then, the production of safe milk according to the sanitary and nutritional point of view of consumers.

The correct use of the kit enables the maintenance/inclusion of family-based dairy farmers in the milk production chain with a product of good quality and better value. A booklet on how to use the instruments and inputs properly and about milk storage is also part of the kit.







FULL BUCKET – MILK PRODUCTION



Certified, 2009 – Embrapa Southeast Livestock

Technology transfer program that contributes to the implementation of dairy production in family-based farms. The goal of the program is to train rural extension workers and farmers, to promote the exchange of information on technologies to be regionally applied and to monitor the environmental, economic and social impacts in production systems that adopt the available technologies.





MEDICINAL PLANTS: AN ALTERNATIVE FOR SOCIAL INCLUSION

Certified, 2009 – Embrapa Eastern Amazon

The cultivation, conservation and use workshops for processing medicinal plants offered to different communities brought new opportunities for increased income, cost savings in the procurement of medicines, improved quality of life, and has awaken the networking among members of each community.







SMALL MACHINES DEVELOPED FOR FAMILY-BASED AGRICULTURE



Certified, 2013 – Embrapa Rice and Beans



Three rice threshers and three blowers of grains and seeds, intended to small producers of rice, beans, maize and other grains.



FIELDS WITHOUT FIRE AND CASSAVA PRODUCTIVITY TRIO



Certified, 2013 – Embrapa Eastern Amazon



"Fields without Fire" is the preparation of the area for planting without fire using low-cost hand tools.

The "Productivity Trio" is the selection of cuttings-seeds, planting cassava in 1m x 1m spacing and shovelling during the first five months of the crop cycle.



LATIN AMERICA AND CARIBEAN SYMPOSIUM

Created in 1997, SIRGEALC brings together scientists differents from countries to discuss microbial. animal and plants genetic resousces, every two years. It is the biggest event on genetic resouces in the world, so far.



NATIONAL SYMPOSIUM



Many workshops, meetings and symposia help to keep the contact between professional and studends.

REGIONAL SYMPOSIUM









Genetic Resources Bank

Largest Genetic Resources Bank in Latin America and 3° of the world.

Including

Microorganisms, Animals, Plants.

Capacity **> 750,000**.

Actual **124,000 (765 species).**



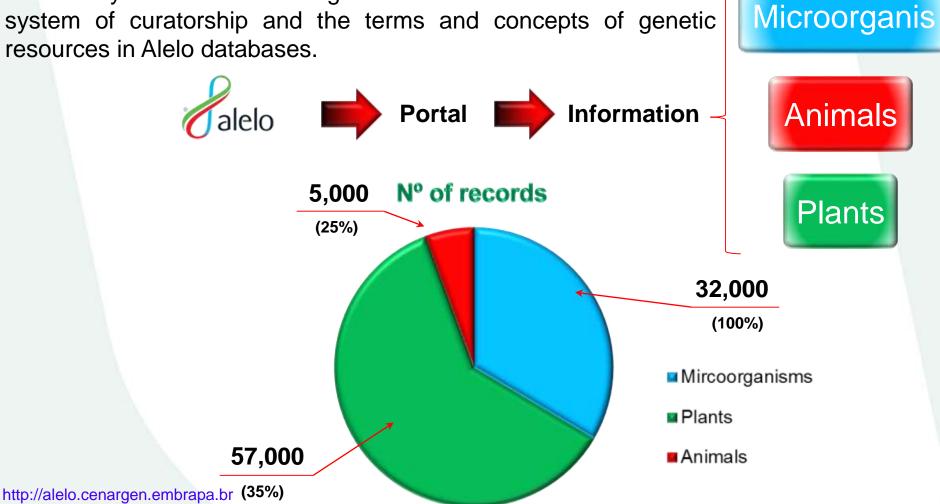






Alelo

The Alelo Portal aims to gather information about genetic resources. Besides the databases and information systems, it is formed by websites that organize text information about the system of curatorship and the terms and concepts of genetic resources in Alelo databases.





















· Animal · Microorganism · Plant

Maintenance of passport data, characterisation and assessment



News, agenda, FAQ, forum, partner



Terms of reference, concepts, definitions, flowchart, processes





SURVEYS

· Animal · Microorganism · Plant

Passport data, statistics of characterisation and assessment in germplasm banks





Files, texts, spread sheets, presentations, control of versions, survey in files





EXCHANGE

· Microorganism · Plant

Survey, selection, request, following the transit of plant germplasm to TIRFAA





Site for presentation of Active Germplasm Banks and collections



Legislation

Regulatory framework, treaties, agreements, contracts, procedures



Brazilian Agricultural Research Corporation - Embrapa Embrapa Genetic Resources and Biotechnology









Passport

Observation

Q

Conservation

Passport

It contains the germplasm identification data, what it is and where it came from.



Observation

It contains the test data within specification or agronomic evaluation in consolidated format.



News

04/05/2015 - Nova funcionalidade "Custos" / New functionality "Costs"

Nova funcionalidade de custos, está disponível no Menu Configurações, Opção Custos, / New feature costs, is available on the Menu Settings, Option Costs.

20/03/2015 - Interrupção do Serviço / Interruption of Service

O Alelo vai sobre uma interrupção do serviço a partir de 20/03/2015 as 19h até as 17h do dia 22/03/2015, por motivo de troca de equipamento de rede para melhorar o serviço. The Alelo goes on a service outage from 03.20.2015 19h to 17h of the day 03/22/2015, by network equipment exchange of reason to improve the service.

10/07/2013 - Alteração tela cadastro de passaporte / Change screen passport registration

Colocamos o campo para filtro "Palavra Chave" afim de facilitar a busca do acesso. / We put the field to filter "Keyword" in order to facilitate the search of access.



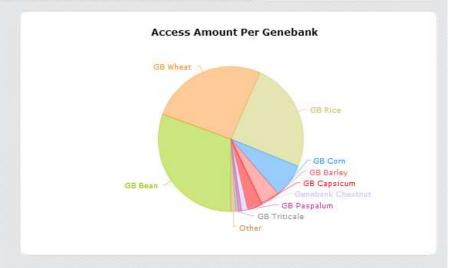


onservation

It contains the summary of storage and use conservation structure.













Passaport





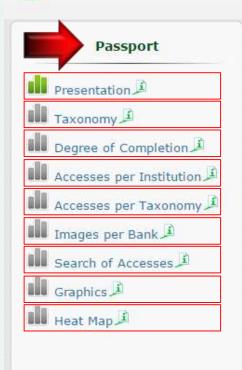




Passport

Observation

Conservation



:: Home > Passport > Presentation

Presentation - Passport

Passport data comprises the set of access identity information. The main attributes pass by the way have been obtained, the location and information about the basic features of access, such as taxonomic classification. These data are the gateway to genetic resources system, from them are aggregated new data, as is done crawling access the various BAGs.





















Passport

Observation

Conservation

Passport

Presentation 🚨

Taxonomy 🔎

Degree of Completion

Accesses per Institution

Accesses per Taxonomy

Images per Bank 🗐

Search of Accesses

Graphics 🔎

Heat Map 🗐

:: Home > Passport > Degree of Completion

Degree of Banks Filling

Institution	Bank	Select
Embrapa Agroindústria Tropical	Genebank Chestnut-Active Germplasm Bank of Chestnut	U Constitution of the Cons
Embrapa Arroz e Feijão	GB Bean-Active Germplasm Bank bean	uş.
Embrapa Arroz e Feijão	GB Rice-Germplasm Bank Rice	U.S.
Embrapa Hortaliças	GB Capsicum-Germplasm Bank Capsicum	use .
Embrapa Mandioca e Fruticultura	GB Acerola-Active Germplasm Bank of Acerola	O.
Embrapa Mandioca e Fruticultura	GB Banana-Active Germplasm Bank of Banana	u se
Embrapa Mandioca e Fruticultura	GB Pineapple-Germplasm Bank of Pineapple	u a
Embrapa Mandioca e Fruticultura	Genebank Manihot-Germplasm of active bank Manihot	u _s
Embrapa Mandioca e Fruticultura	Genebank Papaya-Germplasm of Active Bank Papaya	u a
Embrapa Milho e Sorgo	GB Corn-Germplasm Bank Corn	U.S.
Embrapa Pecuária Sudeste	GB Paspalum-Germplasm Bank Paspalum	
Embrapa Tabuleiros Costeiros	BAG Cane-Germplasm Bank of Cane	u a
Embrapa Trigo	GB Barley-Germplasm Bank Barley	
Embrapa Trigo	GB Canola-Germplasm Bank of Canola	U a

🖺 Print













Localization

http://alelo.cenargen.embrapa.br

Staff







1º Int. Training



Luis Robledo (PAR) Federico Condón (URU)



Instituto Paraguayo de Tecnología Agraria



Partnership





A partnership to enhance agricultural innovation and development

An international initiative supported by different partners aiming to link experts and institutions to develop cooperative research projects for development.

Brazilian,
African,
Latin American and Caribbean.

The MKTPlace aims to benefit smallholder producers by enabling innovation through collaborative partnerships between Africa, LAC and Brazil.

3 Basic pillars:

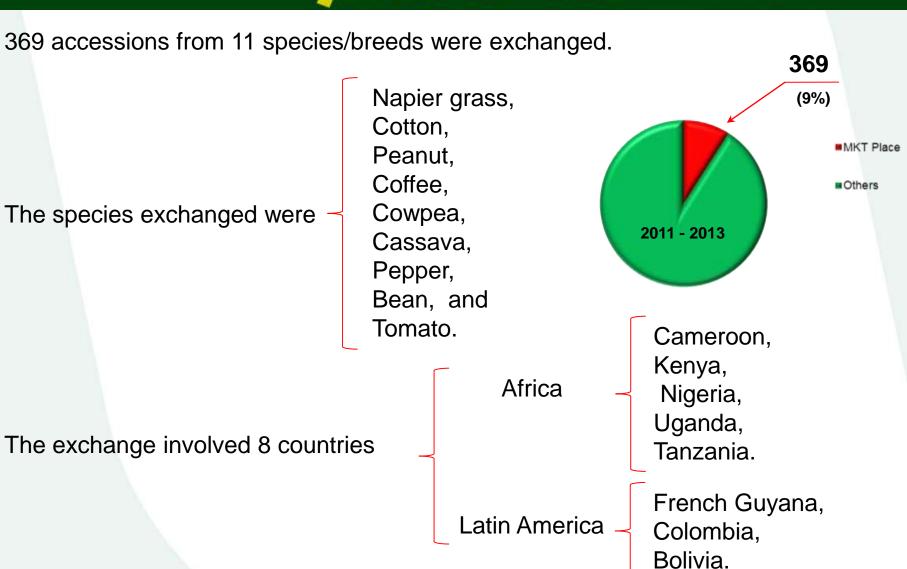
- 1) A policy dialogue between the main authorities from Africa, LAC and Brazil supporting institutions focused on the development of a mutually agreed framework for collaboration;
- 2) A forum for capacity strengthening, presentation and discussion of research for development ideas consolidated into research for development projects supported by the MKTPlace;
- 3) Joint agricultural research for development projects.

Partnership





A partnership to enhance agricultural innovation and development



Partnership





A partnership to enhance agricultural innovation and development





















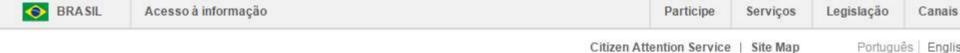














Brazilian Agricultural Research Corporation Ministry of Agriculture, Livestock, and Food Supply





News | read more



8/25/15 | Genetic improvement Parceria Embrapa-Basf lança Sistema de Produção de soja Cultivance

8/26/15 | Biodiversity

Pesquisa apresenta alternativas para a agricultura sustentável na bacía Guapi-Macacu, no RJ

8/25/15 | Mechanization and Automation

Drones auxiliam no aumento da produtividade no campo

Embrapa in Brazil



Browse and learn more about our units

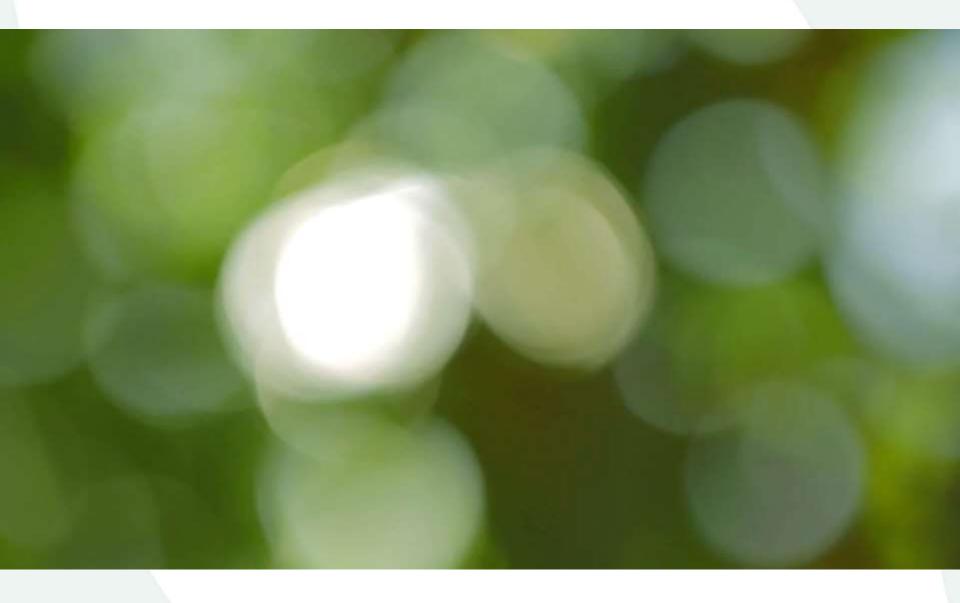
International Operations



>> Embrapa's international activities

https://www.embrapa.br/en/





Thank you

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