

ZANETTO A.<sup>1</sup>; BLANC V.<sup>2</sup>; CRARASCO-LACOMBE C.<sup>2</sup>; COTTIN R.<sup>2</sup>; MARSAL P.<sup>1</sup>; M'BALLA J.<sup>2</sup>; RAYNAUD C.<sup>1</sup>; JOURDAN I.<sup>1</sup>; TEULON J.<sup>2</sup>; VANCOPENOLLE S.<sup>2</sup>; ZUMSTEIN E.<sup>1</sup> AND MAGHNAOUI N.<sup>2</sup>

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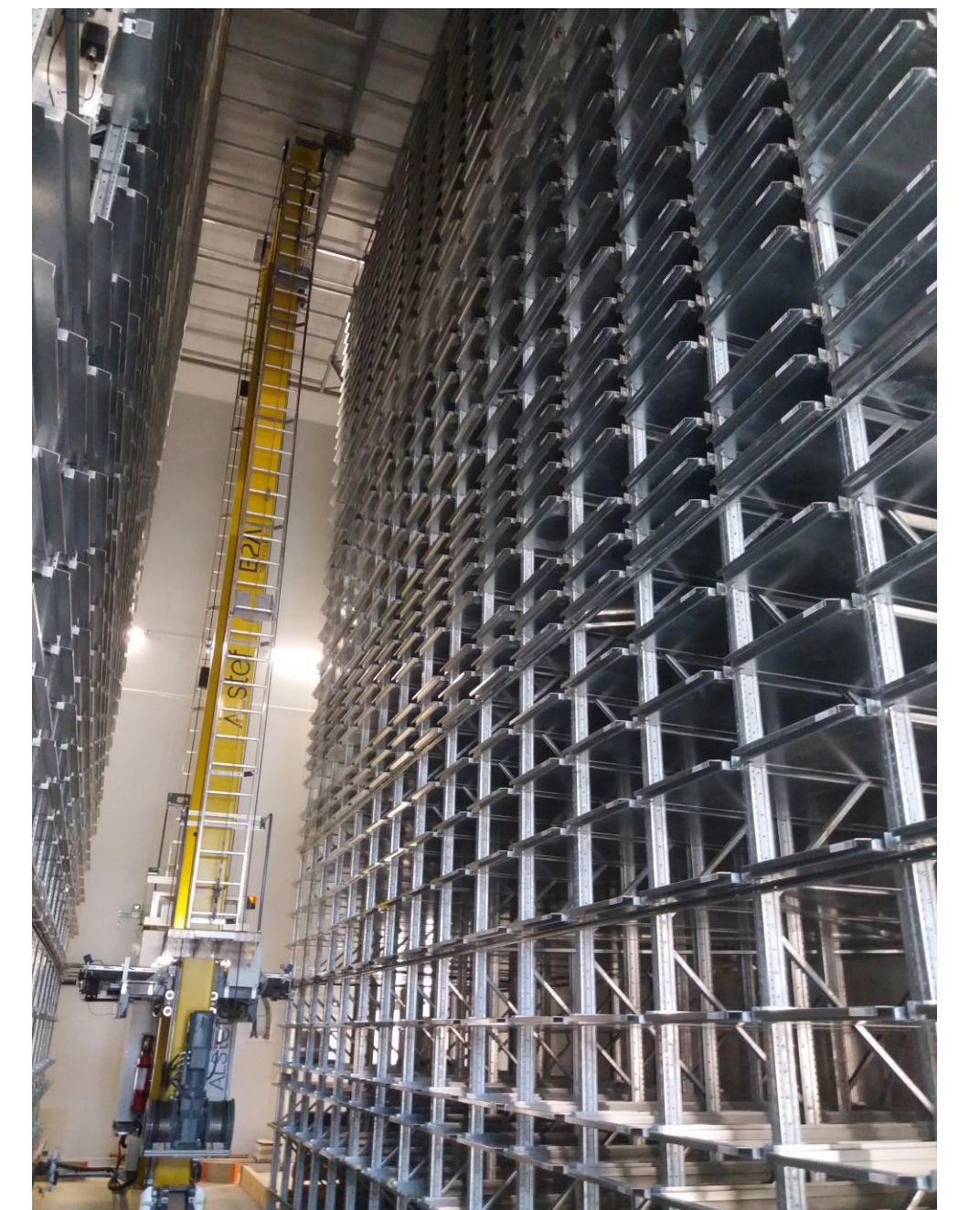
## Contexte

The **BRC GAMÈT (Biological Resource Center: Graines Adaptées aux conditions Méditerranéennes et Tropicales)** gather together since April 2019 within the new ARCAD building, three CRBs managing and storing seed genetic resources from INRA and Cirad institutes: CRB Zea, CRB *Medicago* and CRB-Tropical.

## Building



Built all around a cold chamber  
Total volume of storage inside a stacker-crane  
➔ 280 m<sup>3</sup> (76 000kg of seeds)



## BRC GAMÈT

Rice	Sorghum	Fonio	Cotton	Mil	Forest trees	Groundnuts	<i>Medicago</i>	Maize	
9000	2500	170	3500	37	7000	30	9500	4500	

## Tasks

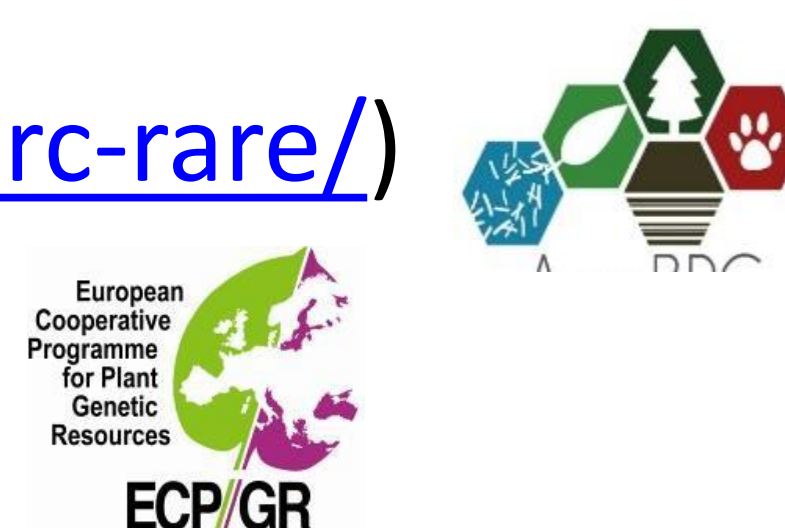
- Acquisition of biological resources to enrich existing collections or meet the needs of research projects.
- Conservation of biological resources in air-conditioned rooms (4°C) or in freezers (- 18°C).
- Multiplication of biological resources to renew stocks.
- Distribution of biological resources to researchers, in France and abroad, and to professionals.

## Know-how and services

- Support for researchers: phytosanitary certificates, customized multiplication and preservation.
- Distribution following international rules (Nagoya Protocol and/or TIRPAA)
- Training for professionals or scientists (management of collections, quality).
- Audits to prepare for certification.
- CRB-Tools software to guarantee the traceability of collections and AQ-Tools software to facilitate compliance with the requirements of standards ISO 9001 and NF S96-900.

## National and international networks and databases

- French Infrastructure RARE (<http://www6.inra.fr/agrobrc-rare/>)
- ECP/GR Maize network
- French national maize genetic resources network
- Eurisco and GBIF databases.
- Florilège (<http://florilege.arcad-project.org/>)
- Siregal (<http://urgi.versailles.inra.fr/siregal/siregal/grc.do>)
- CGIARs
- Different institutes : Cirad, INRA, IRD



## A unique place

- To reinforce links between:
  - Conservation and Research
  - Biological and social sciences
  - Conservation approaches
  - Major and underutilized crops
  - Cultivated and wild diversity
- Future: Enlarging to other plants