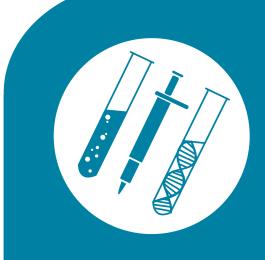
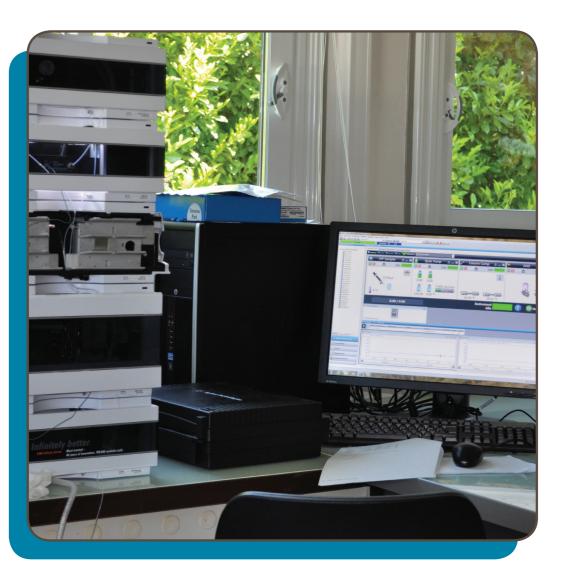


BioGEVES and Biochemistry of GEVES For seed regulation, registration and protection of varieties & services for stakeholders



MAIN ACTIVITES

- Conduct molecular analysis on Seed and Varieties :
 - Characterize the varieties
 - Check identity and purity of varieties
 - Check for the presence of resistance genes
- Improve and develop methods
 - Scientific and technical surveys
 - Research Programs
 - Adaptation, optimization and validation of national and international protocols

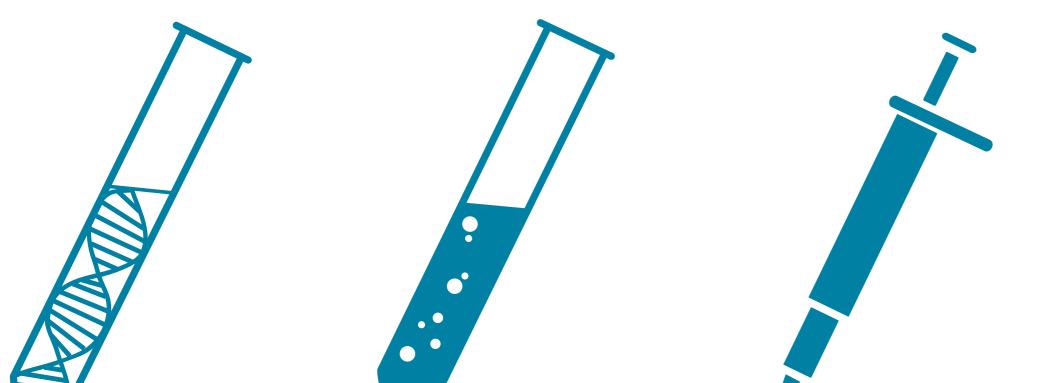




- Evaluate technological characters
- Detection of GMO and pathogens
- Participation in and monitoring of proficiency tests
- Advice and development on request

ANALYSES & METHODOLOGICAL RESEARCH

- BioGEVES performs four major types of analyses, each designated by an activity:
 - ✔ GMO's detection
 - Detection of pathogens and other specific sequences
 - Fingerprinting of varieties
 - Analysis of biochemical constituents



- Approximately 45 methods used routinely applying :
 - DNA Amplification by PCR (Polymerase Chain Reaction) standard (SSR, SNP, ISSR,-CAPS...) and real-time
 - Electrophoresis of proteins
 - Chromatography
 - HPLC (High Performance Liquid Chromatography)
 - GC (Gas Chromatography)
 - Spectrometry

Near infrared spectroscopy (NIRS)

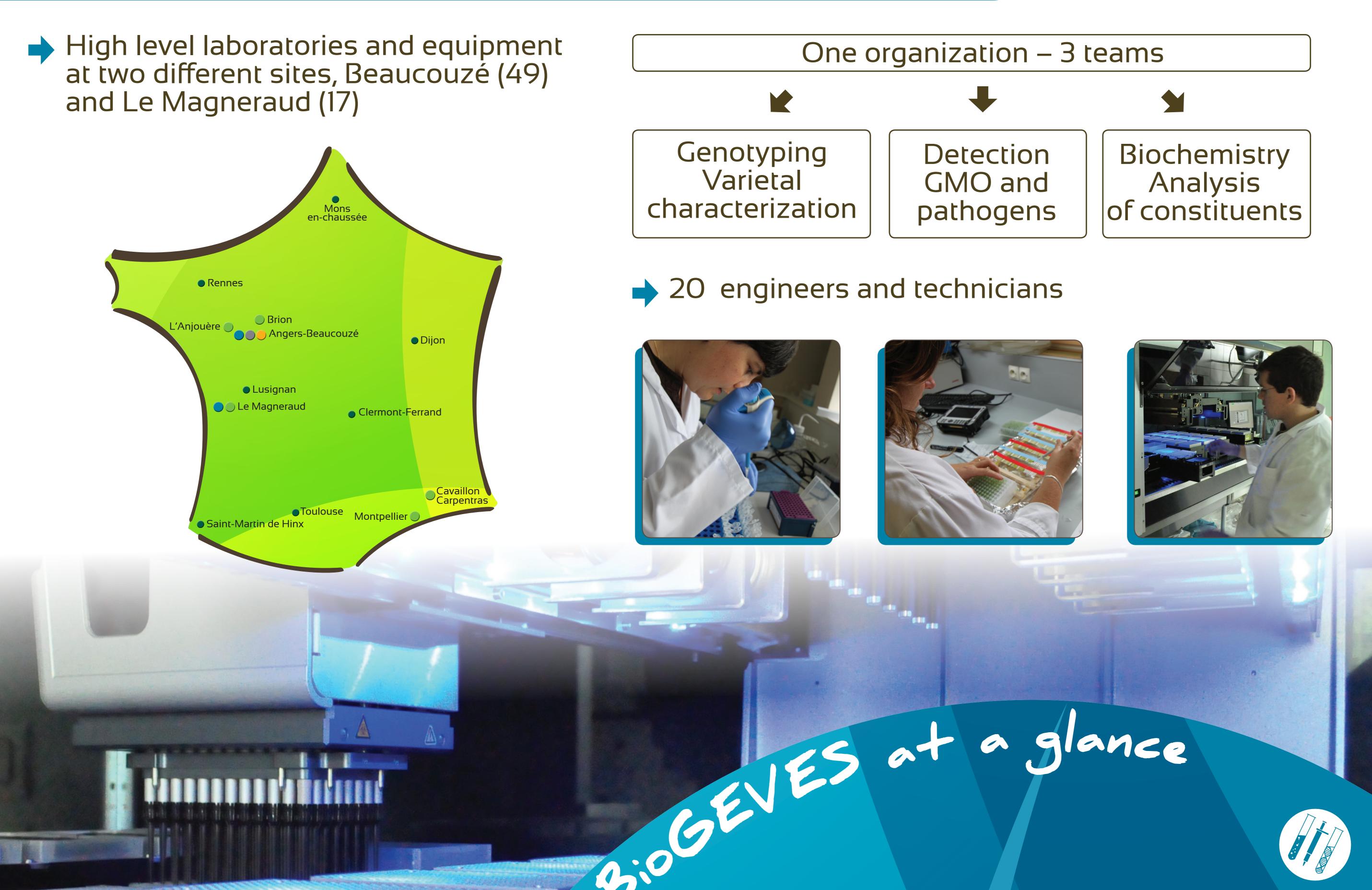






Nuclear magnetic resonance (NMR)

MEANS & ORGANIZATION



More than 20 000 samples analyzed per year

Members of AFNOR commissions

Scientific publications, posters, oral communications, hosting of students

An expertise at an international level (ISHI, ISTA, ISO)