



GEVES
Expertise & Performance

Expertise in MOLECULAR BIOLOGY and BIOCHEMISTRY
at BioGEVES laboratory



20 experts **over 20 years' experience**

over 60 species

- BioGEVES
25, rue Georges Morel
49071 BEAUCOUZÉ
- BioGEVES
Le Magneraud
CS 40052
17700 SURGÈRES

1000m² of laboratories at 2 locations

- Beaucouzé
- Le Magneraud

Participation in 20 methodological research programs




Recognition & Quality

afaq **ISO 9001** **Qualité** **AFNOR CERTIFICATION**
VCUS & BioGEVES

cofrac **ESSAIS** ACCREDITATION N°1-1316 & N°1-6176
LISTS OF SITES AND SCOPES AVAILABLE AT WWW.COFRAC.FR

As a public research organisation (public interest group), GEVES is authorised to grant Research Tax Credits (CIR).

R&D related expenditures which are eligible to receive CIR credits and are entrusted to GEVES can be claimed for double their amount in your company's CIR expenditure.



For more information, please contact us:

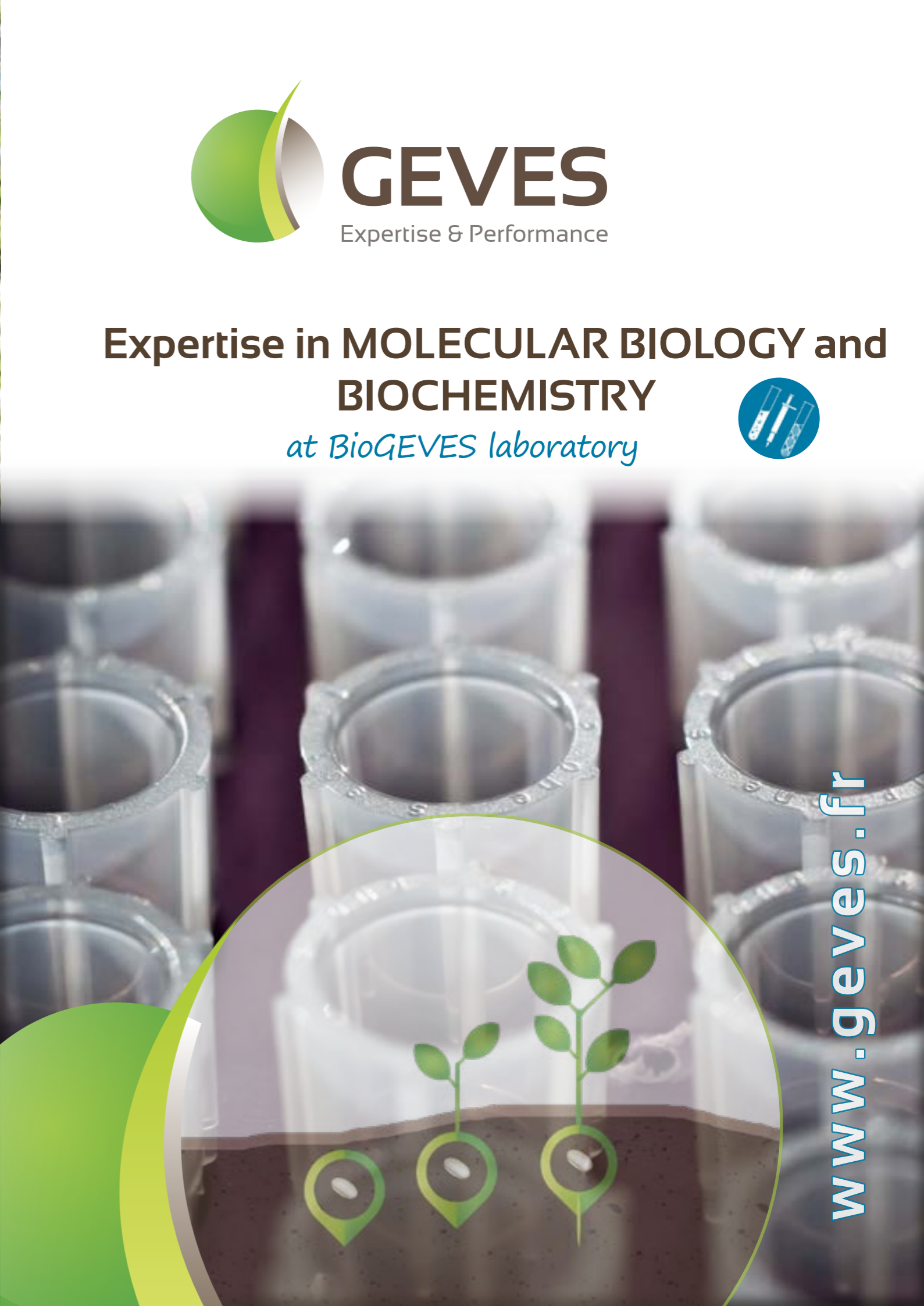
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GEVES
Expertise & Performance
Groupe d'Étude et de contrôle des Variétés Et des Semences

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BioGEVES: internationally recognised expertise, regulatory missions and methodological development

Under the aegis of **INRA**, the **French Ministry of Agriculture** and **GNIS**, the **BioGEVES** laboratory performs a wide variety of activities :

- **National and European research programs** (e.g. CASDAR, FranceAgrimer, H2020, FSOV).
- **Guidance and development** on request for the seed sector.
- **Adaptation, optimisation and validation** of protocols, participation in national and international standardisation (AFNOR, ISO, ISTA, UPOV, ISHI-Veg).
- **Variety and seed characterisation** for official studies related to registration and protection of new plant varieties and seed certification.
- **National Reference Laboratory** for GMO Detection.

BioGEVES: skills & expertise for the sector

For all cultivated species



On all samples

- Seeds : individual, bulk, crushed
- Fresh plant material (whole plants, leaves, seedlings, sprouts, in vitro culture, bulbs)
- Processed plant products



Biochemistry

Technological and nutritional quality analyses

Analysis of biochemical constituents

e.g. oil, protein content, fatty acid profiles

Antinutrients assay e.g. glucosinolates, tannins, antitrypsic activity

Specific constituent assay e.g. asparagine

Customised development :
NIRS and NMR prediction models, biochemical constituent assay



Detection

Pathogen detection on seeds and plants

viruses/viroids, bacteria, fungi, nematodes

Identification of pathogen resistance genes
for variety characterisation

Detection and quantification of GMO events
BioGEVES is COFRAC accredited and a designated National Reference Laboratory for GMO detection in maize (seed), soya, oilseed rape and flax

Customised development
Development and validation of pathogen detection methods



DNA analysis by molecular biology

Identity control, true-to-type, and characterisation

Detection mix and varietal purity on seeds lots

Customised genotyping
Fingerprinting of varieties, screening, analysis of genetic diversity

Genotyping

