

Bioeconomy initiatives of the Région Grand Est



The Région Grand Est is the most important agricultural and second largest industrial region in France. A bioeconomy strategy has been in place since 2019 with the ambition of becoming a leader in the bioeconomy in Europe. The strategy focuses on agricultural production, forestry, wine-growing, sustainable food, and non-food uses of biomass such as bioenergy, renewable building materials, manufacturing bio-based ingredients through green chemistry and industrial biotechnologies.

Among its many initiatives is a 35 million euro annual investment program to support transitions and the structuring of sectors, for example by funding research and development into new biobased processes and products.

In the Région Grand Est there are also dynamic ecosystems, such as internationally recognized local biorefineries, and attractive training courses. With major clusters and research units as well as solid investments into the bioeconomy in recent years, Grand-Est offers a broad range of opportunities to both clients and service-providers around biobased resources.











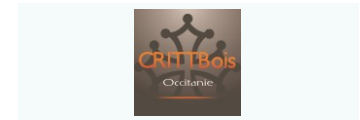







Expertise & Competences

BIORESOURCES	FOOD AND FEED	BIO-BASED MATERIALS	BIO-BASED MOLECULES AND RELATED PROCESSES	BIOENERGIES
Agriculture, forestry, wine-growing, natural fibres, sidestreams of food & beverage industry, wood and paper	Food and food processing, wine and brewery industry, alternative proteins	Natural fibre production & processing for textiles, insulation & building materials, etc. (e.g. hemp)	Biorefineries: Development of chemical processes for pyrolysis oil, large-scale fermentation and biomanufacturing	Biofuels, biogas, agrivoltaics, wood pellets

Networks & Clusters

Research & Development

ENSTIB Épinal	Centre Européen de Biotechnologie et de Bioéconomie – CEBB	CRITT BOIS	Universite Haute-Alsace UHA	Chambre D’Agriculture Grand Est	INRAE-National Research Institute for Agriculture, Food & Environment	Arvalis Institut du Végétal	Fibres Recherche Development
							
ENSTIB is the national school for technology and industries of wood-based economy, associated to Lorraine University.	Centre for biotechnology, biomaterials and green chemistry. Combines know-how of CentraleSupélec, AgroParis Tech, URCA and NEOMA Business School.	Innovation transfer centre for wood-based innovation with of over 100 industry members associated.	Campus “Agri-Food Trades & Qualifications” dedicated to expansion of sustainable agriculture, wine cultivation.	One of the major actors in agricultural diversification, soil fertility and growth of intermediate crops for energy purposes.	INRAE is joint unit of AgroEcoSystem of Uni. Lorraine & vine health department of Uni. Strasbourg.	ARVALIS’s tries to improve the competitiveness of farms & profitability of production & supply chains and opens up new markets to citizens.	FRD is a is an innovation platform specialized in the development & promotion of applications for plant fiber-based biomaterials.
							
enstib.univ-lorraine.fr	cebb-innovation.eu	critt-bois.com	uha.fr	grandest.chambres-agriculture.fr	inrae.fr	arvalis.fr	f-r-d.eu

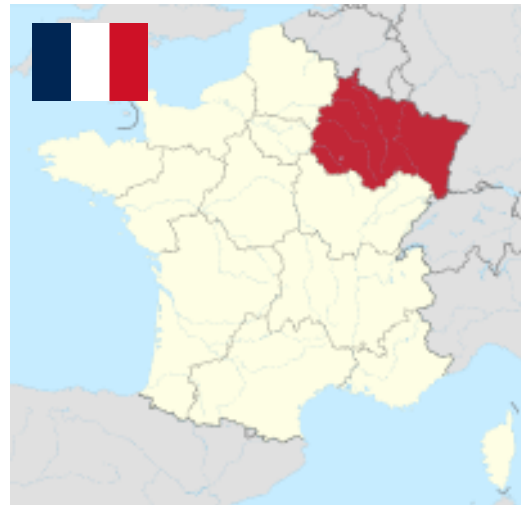
Further information

The official Bioeconomy Portal for the Région Grand Est bioeconomie-grandest.fr	The Month of Bioeconomy in the Région Grand Est (every September) grandest.fr/mois-bioeconomie
BIOKET – Global Conference focussed on Processes, Innovation and Technologies applied to Biomass bioket.tech	The regional Bioeconomy Strategy of the Région Grand Est grandest.fr/developpeur-economie-vertueuse/strategie-bioeconomie

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Bioeconomy for Change Johan de Coninck j.deconinck@bioeconomyforchange.eu	European Hemp Hub Estelle Delangle edelangle@polechanvre.eu	



Basis Data

Inhabitants	5.5 M	2020
BE employees	148.200	2020
BE annual turnover	9.9 bn €	2020

Characteristics / Profile

- Second largest industrial centre in France, esp. in the automotive industry & bioeconomy
- Largest agricultural producer in France, accounts for 60% of french beer, 25% sugar, >20% wine, 20% rape, >10% grain and 10% of french milk & cattle livestock
- European centre for hemp cultivation & processing and different bio-based industries

Bioeconomy Partners

- Advanced ecosystem and clusters especially for plant-fibres and biomass-use-value-chains
- Numerous competence centres and start-ups



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Networks & Clusters

Cluster / Ecosystem

Bioeconomy for Change	Agro Industrie Recherches et Développements	Quest for change	CMQ BioEco Academy	FIBOIS Grand Est	Hemp European Hub	TerraSolis	CETELOR
							
One of the major European innovation and business clusters for bioeconomy.	Environmental management of the European industrial biorefinery cluster.	Network of companies to provide start-ups with expertise in bioeconomy. Innovact, Rimbaud Tech, Quest for health.	Network of training and research organizations, companies and authorities for bioeconomy-related education.	An interprofessional association representing the forestry and wood sector in Région Grand Est.	The Hemp European Hub supports the hemp value-chain development in a wide multi-stakeholder and multi-market ecosystem.	Centre for innovation of agricultural resources and transition to low-carbon agricultural production and territories.	CETELOR supports fibre & textile companies regards strategic, technological & economical development. Associated with Lorraine University.
							
bioeconomyforchange.eu	a-r-d.fr	questforchange.eu	univ-reims.fr	fibois-grandest.com	pole-europeen-chanvre.eu	terrasolis.fr	cetelor.fr

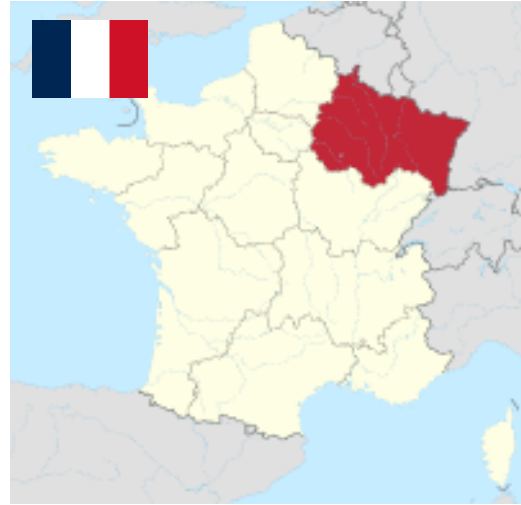
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