

# URCA, A KEY PLAYER IN SOCIO-ECONOMIC ASPECTS OF THE BIOECONOMY

## THE UNIVERSITY OF REIMS CHAMPAGNE-ARDENNE

has a proven track record, recognised skills and indispensable know-how in the study both of the workings of the bioeconomy and of its regional regulation. Our scientific skills in the humanities and social sciences focused on regional strategies and dynamics enable us to include the social dimension in the analysis of ecological systems, thus facilitating successful change to sustainability. The adopted approach is systemic, based on the analysis of the specificities of regions under development, and allows for implementation (reconfiguration of sectors, production methods, new professions, etc.).

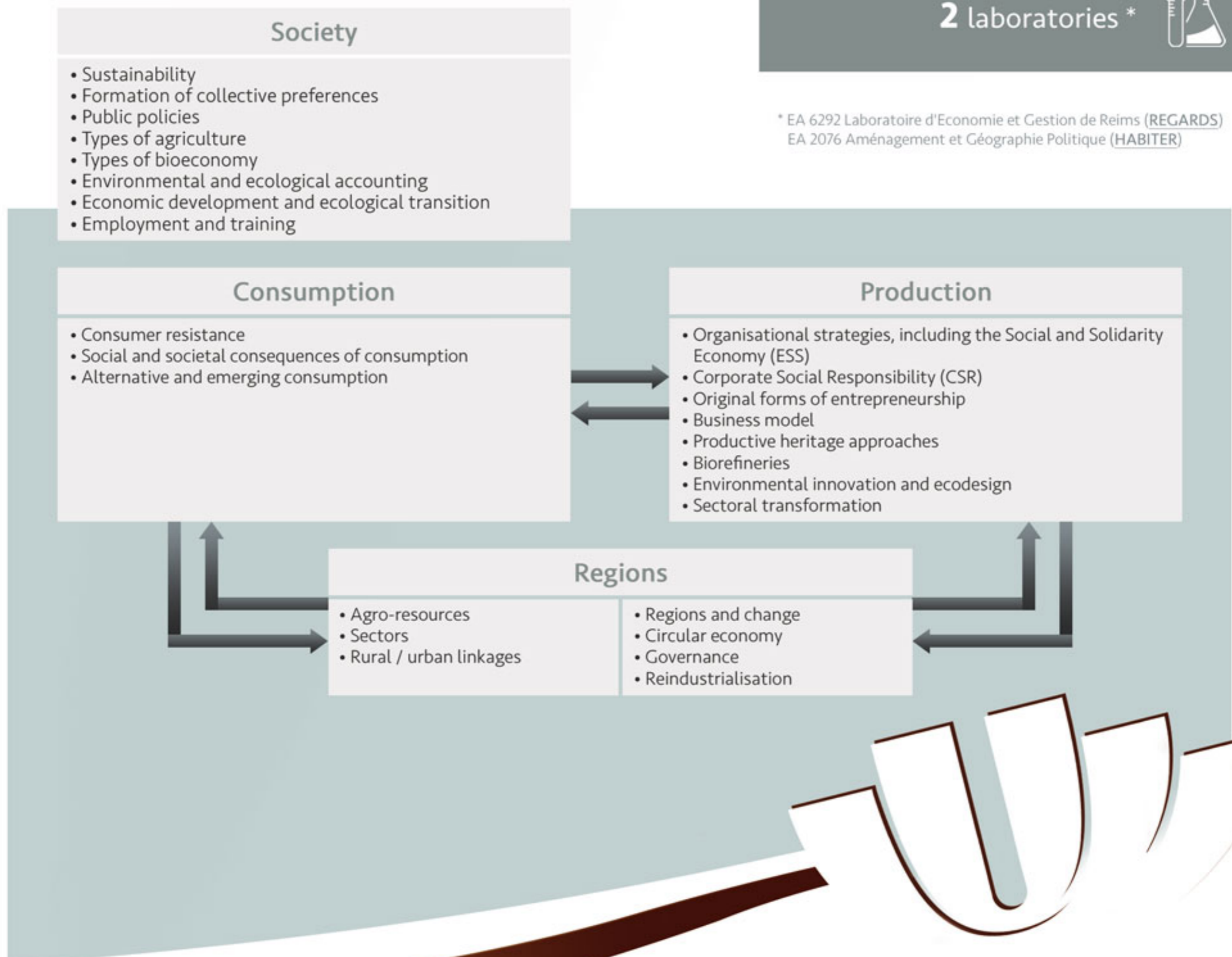
### A wide range of disciplines in symbiosis ...



### 3 MAIN RESEARCH AREAS

- Sustainable development, production and agro-resources
- Consumption and society
- Regions, change and sustainability

... to better understand the economic, social and societal issues of a sustainable bioeconomy.



### KEY FIGURES



**+ than 50** Researchers and teacher-researchers

**2** laboratories \*



\* EA 6292 Laboratoire d'Economie et Gestion de Reims (REGARDS)  
EA 2076 Aménagement et Géographie Politique (HABITER)



## Regions, sustainable development and society: what kind of bioeconomy?

### A close-up of BIOCA research programme

**3 major types of representation of the bioeconomy** can be distinguished according to their definition of the term bioeconomy itself, the economic development model on which they are based, the type of innovation they favour, their relationship to nature and their conception of sustainability.



#### A biotechnology-based bioeconomy

In which biotechnologies are seen as the trigger for a new industrial revolution and a new phase of economic prosperity.



#### An ecological bioeconomy

which can take several forms, and can be qualified as ecological in that it intends to respond above all to environmental questions and sustainability issues. It argues that the development of long-term socioeconomic systems should remain within the constraints of the biosphere and respond to the challenges of solidarity.



#### A biorefinery-based bioeconomy

which is based on the development of biomass exploitation through a diversity of technico-economic processes implemented within several generations of biorefineries, allowing a transition towards a post-petroleum society.

### Some publications

- Debref R., Vivien F.-D. (2020) « Quelle bioéconomie ? Les enseignements d'une controverse en France à la fin des années 1970 », *Economie rurale*, n° spécial, à paraître.
- Levidow L., Nieddu M., Vivien F.-D., Béfort N. (2018) « Transition towards a European Bioeconomy : Life Sciences versus agroecology trajectories », in G. Allaire, B. Daviron (eds), *Ecology, Capitalism and The New Agricultural Economy. The Second Great Transformation*, London, Routledge, pp. 181-203.
- Nieddu M., Garnier E., Bliard C. (2014) « Patrimoines productifs collectifs versus exploration/exploitation. Le cas de la bioraffinerie », *Revue économique*, vol. 65, n°6, pp. 957-987.
- Nieddu M., Vivien F.-D. (2016) « La bioéconomie entre enjeux économiques et projet de société », *Biofutur*, n°378, juillet-août, pp. 60-61.
- Vivien F.-D., Nieddu M., Béfort N., Debref R., Giampietro M. (2019) « The Hijacking of the Bioeconomy », *Ecological Economics*, 159, 189-197.

### Quality training courses

#### Initial training

Are you looking for future collaborators? Do you wish to resume your studies?

A wide range of quality training courses provided at URCA focus on the socio-economic aspects of the bioeconomy.

For example: *Master's Degree in Applied Economics with Ecological Transition and Public Policies (TEPP)* and *Innovation and Bioeconomy (EIB)* courses.

To find out more: [www.univ-reims.fr](http://www.univ-reims.fr)

#### Vocational training

Does your structure / company wish to support its employees by training them in the socio-economic aspects of the bioeconomy?

Our experts can help you. URCA's vocational training department is ready to meet with you to study your needs and offer you the most appropriate training solution.

To find out more: [dfpa@univ-reims.fr](mailto:dfpa@univ-reims.fr)

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