

# A diversity of models of bioeconomy : the French Case

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An ongoing  
research  
program pursued  
for several years  
in the French  
« Grand Est »  
Région.



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Methodological and Ideological Options

## The Hijacking of the Bioeconomy<sup>☆</sup>

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The complex relationships between non-food agriculture and the sustainable bioeconomy: The French case

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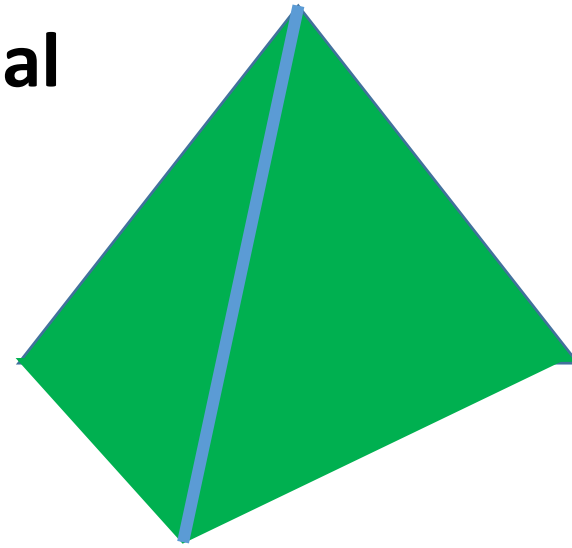
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# **Not only one bioeconomy, but three main narratives, three models of bioeconomy**

**1. An ecological  
bioeconomy**

**2. A bioeconomy of  
biotechnologies**



**3. A bioeconomy of  
biorefineries**

**Bioeconomy of  
biorefineries**

**Bioeconomy of  
biotechnologies**

**Ecological  
Bioeconomy**

**« Biomassculture » or  
« Biomass farming »**

Biomass to produce  
platform molecules and  
agrofuels

**« Energyculture » ou  
« Energy farming »**

Biomass to produce  
energy (biogas,  
electricity, heat)

**« Moleculture » or  
« molecule  
farming »**

Specific plants to  
produce complex  
and high value  
molecules or to use  
their functionalities

**« Agro-ecology »**

variety of biomass of  
high environmental  
quality to produce  
goods and ecological  
services