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Highlights

- The cluster's policy initiated in France in 2005 was a formidable opportunity to boost innovation in the bioeconomy.
- Innovation platforms allowing industrial demonstration and feasibility are now effective.
- The role of regional and national public partners is essential to succeed in this development.
- Bioeconomy development requires a long term strategy and support.
- Public-private partnership is the best way to embrace the future and face markets and policy fluctuations.

ABSTRACT

The cluster's policy initiated in France in 2005 was a formidable opportunity to boost innovation in the bioeconomy and to develop innovation platforms allowing industrial demonstration and feasibility at technology readiness level (TRL) from 5 to 9. The IAR Cluster (Industries and Agro-Resources), based in the Hauts-de-France and Grand Est regions is completely dedicated to the bioeconomy. IAR's work has contributed to build a complete innovation ecosystem on bioeconomy by opening up relationships between actors along the full value chain. It also facilitated investments in new platforms and programs through public-private partnerships. The Biorefinery of Pomacle is a good illustration of such a collective approach. The role of regional and national public partners is essential to succeed in this development which requires a long term strategy and support.

Acronyms: IAR, Industry and Agroressources; IB, Industrial Biotechnologies; IFPEN, Institut Français du Pétrole et des Energies Nouvelles; INRA, Institut National de la Recherche Agronomique; TRL, technology readiness level;

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