

# 9<sup>TH</sup> WORKSHOP ON BIOECONOMY

## “LOW CARBON LIVESTOCK”





## INTER-INSTITUTIONAL PLATFORM, BASED ON THE CONCEPT OF "COLLABORATIVE INNOVATION"

Objective: to develop Technical Cooperation Projects (TCPs) in the areas of **AGRICULTURE, FOOD, BIODIVERSITY, BIOENERGY, GREEN CHEMISTRY AND SUSTAINABLE DEVELOPMENT**, aiming at research, development and technological innovation;

- Coordination of research in the areas of bioeconomy, carried out by interdisciplinary teams of researchers from the different institutions - **MIXED RESEARCH UNITS**;
- Support the action of **INNOVATIVE PRIVATE COMPANIES** focused on the areas of bioeconomy;
- Training **HUMAN RESOURCES** in the areas of bioeconomy;
- Projects and Innovations in **PARTNERSHIP** with companies and strong international participation.





## PPPBio - ROADMAP OF STRATEGIC AREAS OF RESEARCH AIMING TO CREATE A WORLD-CLASS ECOSYSTEM IN BIOECONOMY

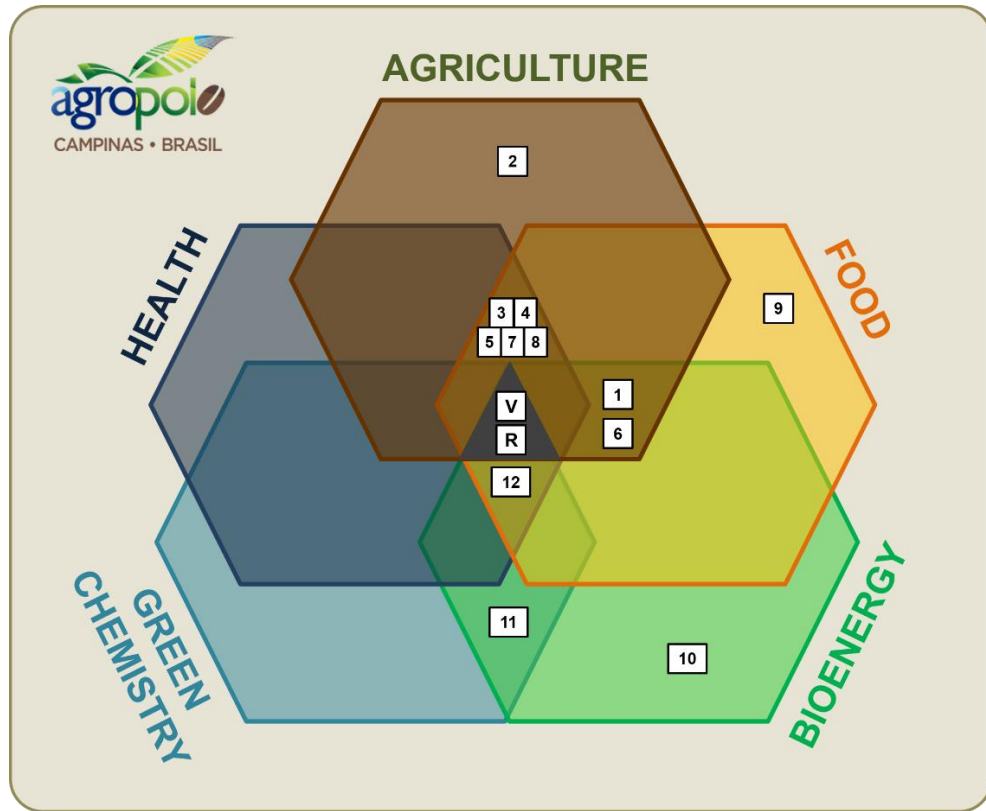
Objective: Through a series of workshops, produce a **ROADMAP OF THE RESEARCH TO BE CARRIED OUT AIMING AT DEVELOPING DIFFERENT SECTORS OF THE BIOECONOMY**, producing wealth for the region and for the country.

To better understand the needs of each area, as the research in these areas is related, the main agents (stakeholders) and **POSSIBILITIES OF COOPERATION**

To establish the bases for the elaboration of **THEMATIC PROJECTS OF RESEARCH IN BIOECONOMY** to be submitted to FAPESP and other funding agencies for research in Brazil and abroad

## PPPBio - ROADMAP OF RESEARCH STRATEGIC AREAS

- Identification of **PRIORITY RESEARCH AREAS**
- Definition of objectives and **DESIRED PRODUCTS**
- Prioritization of **SCIENTIFIC AND TECHNOLOGICAL** development to achieve the goals and products
- Involvement of **VARIOUS STAKEHOLDERS**, Government agents and educational and research institutions
- Identification of the **FINANCIAL, SCIENTIFIC AND TECHNOLOGICAL DIFFICULTIES** and of the public policies that will be necessary to face them
- Identification of **TECHNOLOGICAL ALTERNATIVES AND THEIR RESPECTIVE TIME HORIZONS** for their development and, if there is more than one alternative, to prioritize and recommend the technologies to be followed



## Workshop

<b>VISION</b>	Bioeconomy, an opportunity for Brazil
<b>AG1</b>	Urban, agricultural and food waste: energy, recycling of nutrients and fertilizer production
<b>AG2</b>	New Technologies for Precision Agriculture
<b>AG3</b>	Sustainable Water Use
<b>AG4</b>	New technologies and Systems for Animal Production ←
<b>AG5</b>	Development of new products from aromatic and medicinal plants
<b>AG6</b>	New products and processes for the Brazilian Bioindustry
<b>F&amp;H7</b>	Healthy, functional and nutraceutical food
<b>F&amp;H8</b>	Development of new food and beverages packaging
<b>F&amp;H9</b>	Emerging technologies of food and beverages processing and preservation
<b>B&amp;C10</b>	New Biofuels for Aviation and Maritime Transport
<b>B&amp;C11</b>	Valorization of Biomass Residues
<b>B&amp;C12</b>	Enzymes and green chemistry
<b>RESULTS</b>	Presentation of Project Results



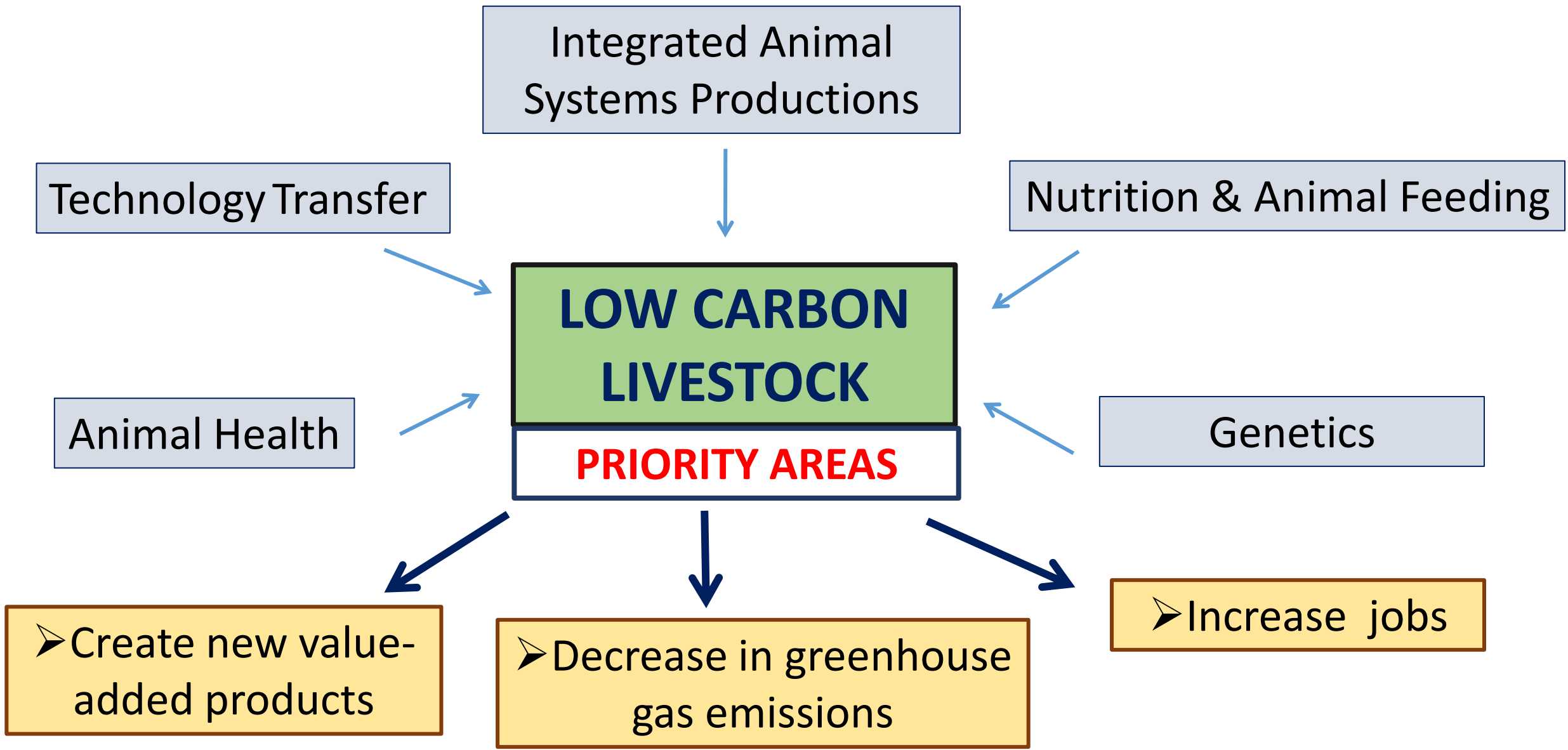
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PUBLIC POLICES PROJECT

### **BRAZILIAN COMMITMENT WITH THE REDUCTION OF THE EMISSION OF GREENHOUSE EFFECTS AND THE EFFICIENCY OF THE LIVESTOCK**

- Recognizing strategic areas;
- Identify critical points have a direct impact on the emission of greenhouse gases and the efficiency of production;
- Management practices have direct impact on greenhouse gas emissions.





PUBLIC POLICES PROJECT

## ROADMAP ON LOW CARBON LIVESTOCK

- Term of Reference (ToR)
- **WORKSHOP** to validate and complement the ToR
- Workshop Report





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**Thank you!**