

# PROHUMA

INSTITUTO PROHUMA DE ESTUDOS CIENTÍFICOS

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## ProHuma Institute of Scientific Studies

- Non Profit Institution – NGO
- Consortium of 14 Agrochemicals companies Brazil

### Management 2024-2025

*Presidente: Luis Henrique Rahmeier*

*Vice Presidentes: Líria Hosoe e Marcia José*

*Diretora Técnica Administrativa: Fabiana Palma*

### Technical Coordination

*Coordenadora: Marcela Giachini*

*Vice- coordenadora: Daniele Laustenchalaeger*



# SCOPE

**Support and Develop**  
research, data, technologies,  
systems and mitigation **factors for**  
**human and environmental**  
**exposure to pesticides.**

**Guide, support and train**  
people on **non-dietary and**  
**environmental exposure**  
in Brazil.

**Develop a study and**  
**exposure database** for  
rural workers who handle  
agricultural pesticides in  
Brazil

**Extension of**  
**technical/scientific**  
**activities**, as needed  
(studies, discussions, etc.).

# Stakeholders -

Experts will support all stages of work

**Authorities**

**Public and Private  
Institutions**

**Brazilian Experts**

**International  
Experts**

**Public and Private  
Laboratories**

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# Initial Objective

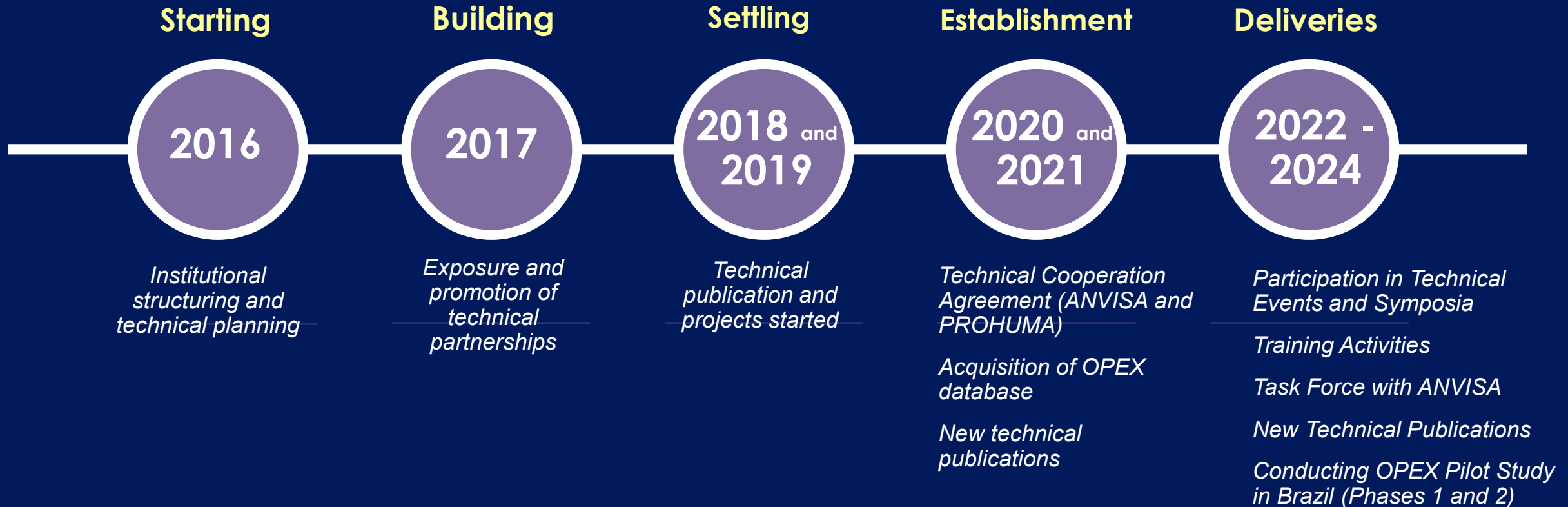


## Risk Assessment - HUMAN EXPOSURE (*NON-DIETARY*)

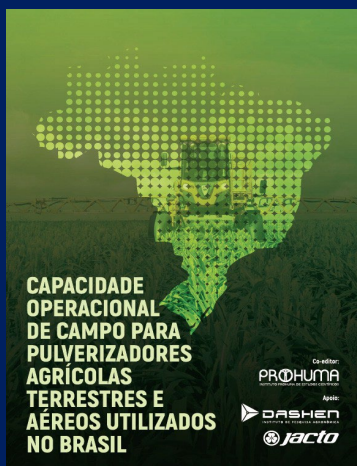
- Development of a database representative of Brazilian exposure scenarios for workers who handle pesticides in Brazil.
- Develop technical and scientific activities and tools for a non-dietary exposure model, aiming to support the assessment of occupational risk and the risk for residents and bystanders exposed to pesticides in Brazil.

# Timeline

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# Publications

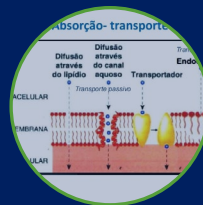


- Brazilian agricultural scenario survey
- Treated area for terrestrial and aerial sprayers
- Transfer coefficients (TC) for adoption in the assessment of re-entry workers exposure
- Seed treatment Brazilian agricultural scenario survey

# Key Projects



Pilot study in Brazil to obtain GLP accreditation to conduct local OPEX studies



Dermal absorption default values and read-across possibilities



Development of an Integrated Calculator for estimating the exposure of operators, re-entry workers, residents and bystanders

# TECHNICAL COOPERATION AGREEMENT - ACT BETWEEN ANVISA AND THE PROHUMA INSTITUTE FOR SCIENTIFIC STUDIES 2020 - 2025

The implementation of Operators, Re-entry Workers, Residents and Bystanders Risk Assessment in Brazil has been discussed for several years and a new legislation including a Technical Guidance will soon be published by the National Health Agency (ANVISA). In this scenario of technical discussion, a Technical Cooperation Agreement (ACT) was signed in 2020 between ANVISA and the ProHuma Institute for Scientific Studies and will be extended for 5 more years (2025-2030) further expanding collaborative arrangements, scientific projects, data generation and knowledge exchange. To deploy the ACT work plan, a Task Force (FT-ACT) was formed, composed of technical experts in risk assessment from ANVISA and ProHuma along with experts in statistics, application technologies and IT (Information Technology) systems development.

PRIMEIRA DIRETORIA  
GERÊNCIA-GERAL DE GESTÃO ADMINISTRATIVA E FINANCEIRA  
GERÊNCIA DE CONTRATOS E PARCERIAS

EXTRATO ACORDO DE COOPERAÇÃO - Nº 02/2020 - ANVISA/PROHUMA

PROCESSO: 25351.908217/2019-29. PARTÍCIPES: Agência Nacional de Vigilância Sanitária-Anvisa, CNPJ 03.112.386/0001-11 e a Instituto Prohuma de Estudos Científicos - CNPJ 23.642.836/0001-95. OBJETO: estabelecer bases de cooperação entre os PARTÍCIPES, para realização conjunta de atividades, trabalhos, programas e ações no campo da vigilância sanitária, visando o desenvolvimento de um banco de dados de exposição ocupacional do operador brasileiro, a execução de trabalhos e projetos científicos de interesse comum, visando a capacitação sobre os temas descritos nos Planos de Trabalho e a implementação da avaliação do risco de exposição ocupacional do operador e trabalhadores expostos à agrotóxicos. VIGÊNCIA: 5 (cinco) anos, a contar da data de sua assinatura. ASSINATURA: 23/07/2020. SIGNATÁRIOS: Antonio Barra Torres, Diretor-Presidente Substituto da ANVISA, CPF: 847.632.567-34 e Luís Henrique Sanfelice Rahmeier, Diretor Presidente - Conselho Administrativo - CPF: 551.074.940-72 e Fabiana Cremaschi Palma, Diretora Técnica Administrativa - CPF: 261.216.888-58.

## WORK PLAN

- **DEVELOPMENT OF THE BRAZILIAN EXPOSURE DATABASE**
- **RISK ASSESSMENT FOR OPERATORS**
- **RISK ASSESSMENT FOR WORKERS (involved in reentry activities)**
- **RISK ASSESSMENT FOR RESIDENTS/ BYSTANDERS**



New Framework  
– 2024 – Expansion of operations

## New Framework – 2024 – Definition on Expansion of activities

**Objective:** Collaborate in the technical discussion of Environmental Risk Assessment by providing support through research, data, sharing expertise, and developing scientific partnerships.

- ✓ Designing institutional and technical structuring in a conscious manner;
- ✓ Establishing partnerships with academia and researchers
- ✓ Building a positive agenda with entities, institutions and regulatory bodies, such as IBAMA (Brazilian Institute of the Environment) and MAPA (Brazilian Ministry of Agriculture)

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