

THE NATIONAL RESEARCH PROGRAMME
"HEALTHY FOODS FOR A STRONG
BIO-ECONOMY AND QUALITY OF LIFE"
ADDRESSES MAJOR SOCIETAL
CHALLENGES: MORE INNOVATIVE,
MORE RESOURCE-EFFICIENT AND
MORE COMPETITIVE SOCIETY



Leading partner
Agricultural University - Plovdiv

Consortium partners:
- **Bulgarian Academy of science**
- **Agricultural Academy**
- **Sofia University "St. Kliment Ohridski"**
- **University of food technologies - Plovdiv**
- **Trakia University - Stara Zagora**

- 1** Food security, sustainable agriculture and forestry
- 2** Climate change, ecosystem services and resource efficiency
- 3** Plant health and safety in agro-food systems
- 4** Quality, Safety and Functionality of Products and Foods
- 5** Bio-economy and the role of food systems in regional development

Coordinator: prof. Vladislav Popov, PhD.



0887 78 84 12
032 654 254



vpopov_bg@yahoo.com
nnp-food@au-plovdiv.bg
www.nnp-food.au-plovdiv.bg



MINISTRY OF EDUCATION
AND SCIENCE

NATIONAL RESEARCH PROGRAM



„HEALTHY FOODS FOR
A STRONG BIO-ECONOMY
AND QUALITY OF LIFE“

CONSORTIUM PARTNERS:



THE NATIONAL RESEARCH PROGRAM IS FUNDED BY
MINISTRY OF EDUCATION AND SCIENCE

www.nnp-food.au-plovdiv.bg



OBJECTIVES OF THE NATIONAL RESEARCH PROGRAM "HEALTHY FOODS FOR A STRONG BIO-ECONOMY AND QUALITY OF LIFE" 2018-2022:

- **ADDRESSING THE EUROPEAN BIO-ECONOMY STRATEGY (2018)** WHICH POINTS OUT THE NECESSITY FOR "MORE INNOVATIVE, MORE EFFICIENTLY USING RESOURCES AND MORE COMPETITIVE SOCIETY, COMBINING THE CARE TO ENSURE FOOD SECURITY WITH THE SUSTAINABLE USE OF BIOLOGICAL RESOURCES FOR INDUSTRIAL PURPOSES, AND GUARANTYING ENVIRONMENTAL PROTECTION".
- **STIMULATE TARGETED RESEARCH AND POLICIES** IN THE FIELDS OF AGRICULTURE, FOOD AND BIO-ECONOMY, TO ENSURE SUSTAINABLE FOOD PRODUCTION, SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES AND CLIMATE ACTION, AND BALANCED BIO-ECONOMY DEVELOPMENT.
- **CAPACITY BUILDING AND POOLING OF RESOURCES AND KNOWLEDGE** IN THE LEADING DIRECTIONS OF THE PRIORITY "FOOD SECURITY, SUSTAINABLE AGRICULTURE AND FORESTRY, MARINE AND INLAND RESEARCH AND BIO-ECONOMY" OF THE EU'S FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION HORIZON 2020 AND HORIZON EUROPE 2027,

THE NATIONAL RESEARCH PROGRAM IS FUNDED BY MINISTRY OF EDUCATION AND SCIENCE



MAIN ACTIVITIES

IMPLEMENTATION OF FUNDAMENTAL AND APPLIED RESEARCH FOR THE DEVELOPMENT AND IMPLEMENTATION IN PRACTICE OF INNOVATIVE MODELS OF HEALTHY AND SAFE FOOD SYSTEMS WITHIN THE BIO-ECONOMY SECTOR.

COMPONENTS:



CLIMATE CHANGE, ECOSYSTEM SERVICES AND FOOD SYSTEMS



PLANT HEALTH AND SAFETY IN FOOD SYSTEMS



FOOD QUALITY FOR A BETTER QUALITY OF LIFE



BIO-ECONOMY, FOOD SYSTEMS AND INTEGRATED REGIONAL DEVELOPMENT



EXPECTED RESULTS:

SYSTEM APPROACH IN THE STUDY OF THE PRODUCTION, PROCESSING AND REALISATION OF FOODS OF PLANT AND ANIMAL ORIGIN.

PROVIDED WORKING MODELS FOR PLANT SYSTEMS WITH HIGH ECOLOGICAL FLEXIBILITY AND ADAPTATION TO CLIMATE CHANGE.

IMPLEMENTED INNOVATIVE DECISION SUPPORT SYSTEMS FOR PRIORITY AGRO-ECOSYSTEMS AIMED AT ENSURING THE PLANT HEALTH AND PLANT PRODUCTS SAFETY.

MODELS DEVELOPED FOR THE RECYCLING AND CONVERSION OF BIO-RESOURCES AND WASTE INTO VALUE-ADDED PRODUCTS.

IMPLEMENTED SYSTEM FOR ASSESSING THE QUALITY AND FUNCTIONALITY OF BIOLOGICALLY-BASED PRODUCTS AND FOODSTUFFS AND THEIR CONTROL.

MODELS DEVELOPED TO PRESERVE THE QUALITY OF FOOD PRODUCTS AND THEIR SAFETY.