Bioeconomy in the EU:

Achievements and directions for the future

INTEGRATED BIOECONOMIC PILOT PROJECT

DUBLIN 14 – 15 February 2013

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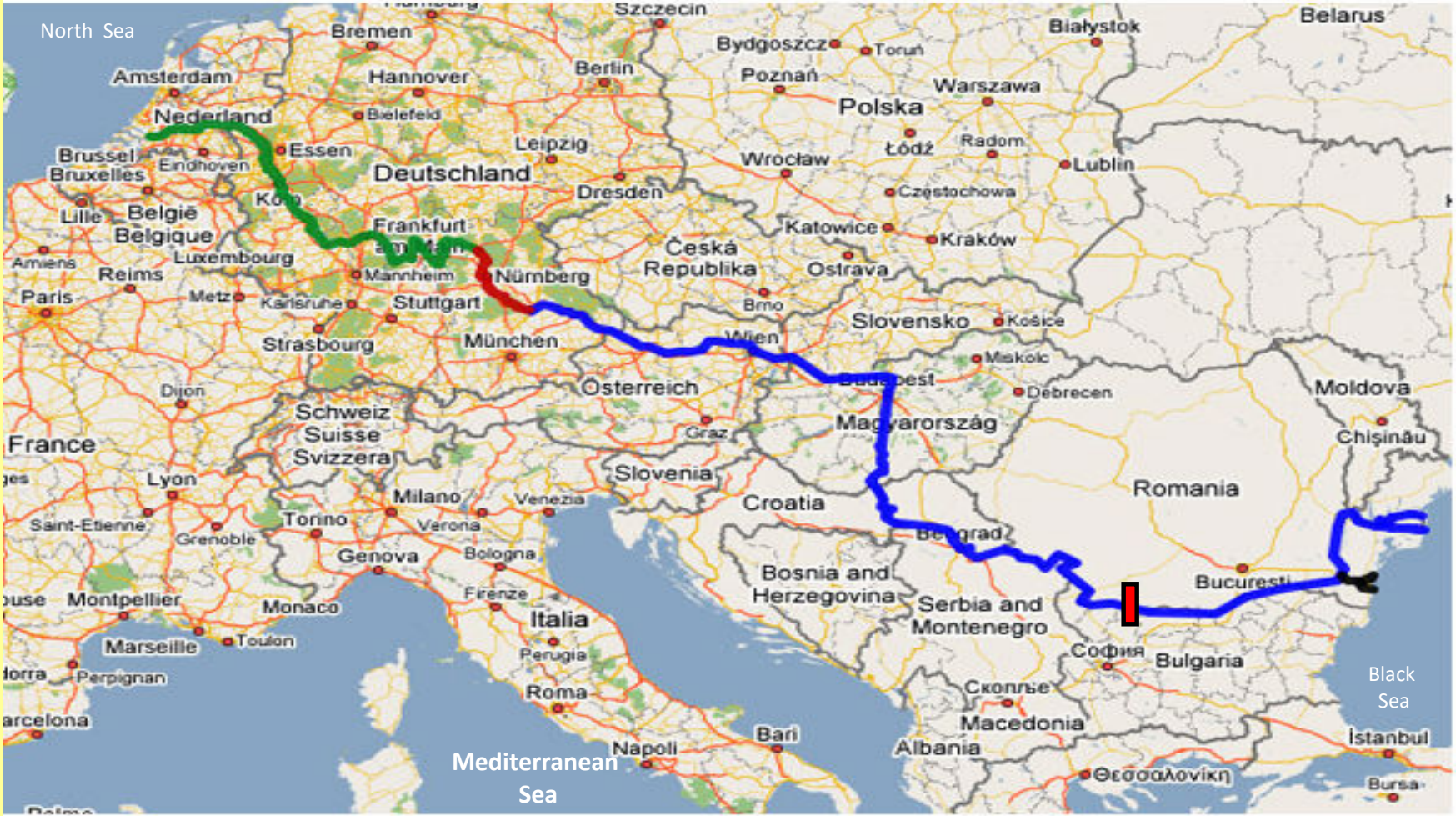
ROMANIA


North Sea
Amsterdam
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Hannover
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Grenoble
Torino
Verona
Genova
Bologna
Bosnia and
Herzegovina
Serbia and
Montenegro
Bucuresti
Montpellier
Monaco
Firenze
Italia
Marseille
Toulon
Perugia
София
Bulgaria
Black
Sea
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Macedonia
Bari
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Θεσσαλονίκη
Bursa

ACADÉMIE ROUMAINE

BULLETIN
DE LA SECTION SCIENTIFIQUE

PUBLIÉ PAR LE SECRÉTAIRE DE LA SECTION

DR. GR. ANTIPA

MEMBRE DE L'ACADÉMIE ROUMAINE

XV-ème ANNÉE

No. 9 — 10

EXTRAIT

LA BIOSOCIOLOGIE ET LA BIOÉCONOMIE DE LA MER NOIRE

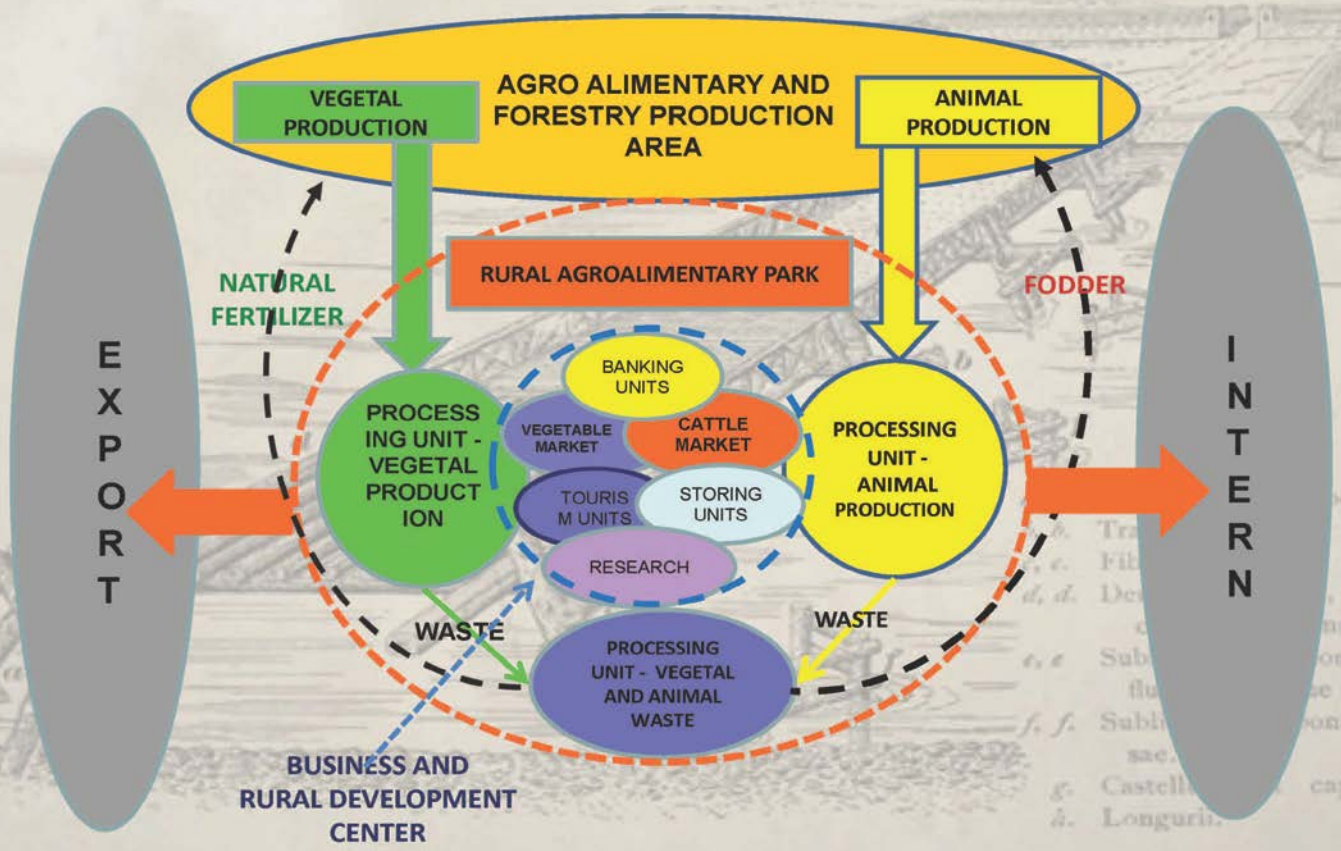
PAR

GR. ANTIPA

MEMBRE DE L'ACADÉMIE ROUMAINE

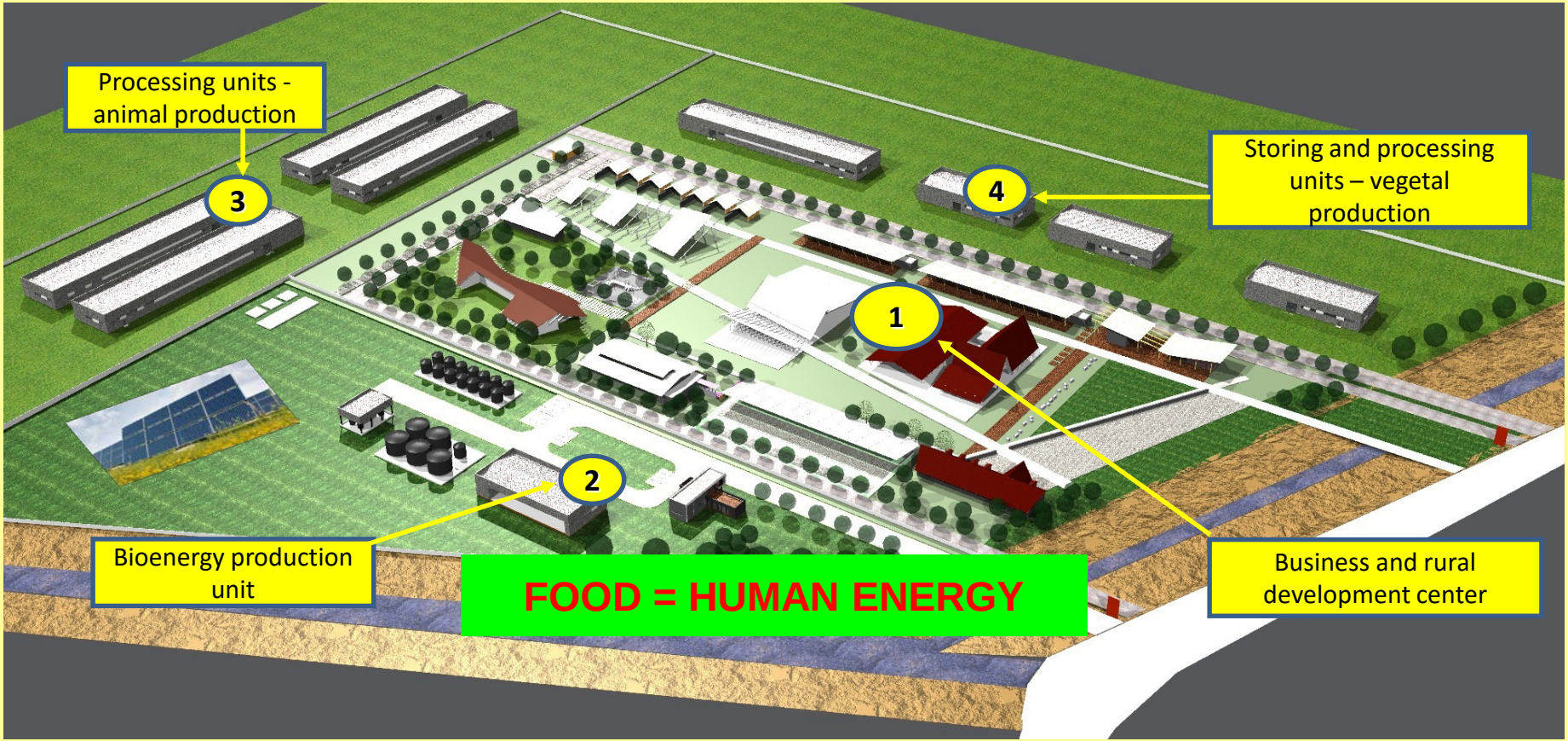
MONITORUL OFICIAL ŞI IMPRIMERIILE STATULUI
IMPRIMERIA NAŢIONALĂ
BUCAREST
1933

SCIENTIFIC AND INNOVATING ASPECTS OF THE RURAL AGROECOLOGICAL PARKS



Agroalimentary and forestry production area located inside and outside of a group of villages

INNOVATING PROJECT FOR AGRIFOOD PARKS WITH RURAL DEVELOPMENT CENTER

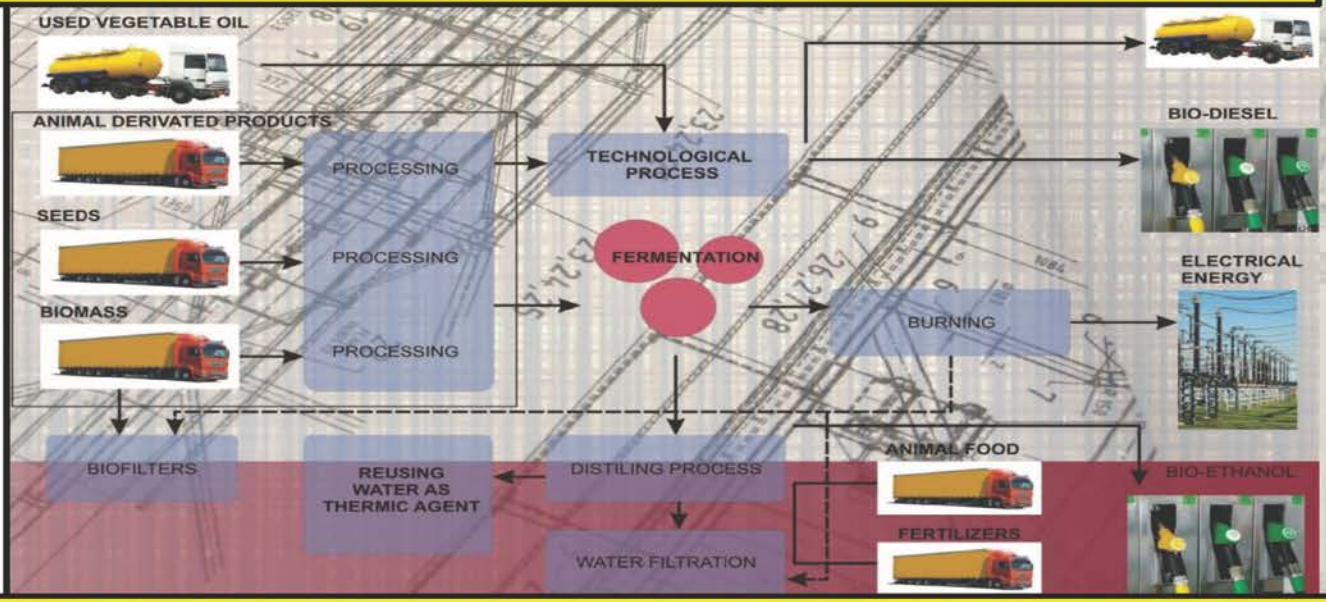


" KNOWLEDGE, CULTURE, SCIENCE THE FUNDAMENT OF QUALITY OF LIFE IN SOCIETY "

INNOVATING PROJECT REGARDING A BIOENERGY PRODUCTION UNIT IN THE RURAL AREA

Future economic agents in the area, trained through POSDRU projects, in association with other investors (identified in the first step through the business incubator) may develop these units privately while enjoying specific grants (up to 5 mil euro) or, if the units are unconventional and produce energy under 10 Mw, in co-operation with the Local Authority (98% non-reimbursable, for electric energy). The raw materials are vegetable waste (straw, cobs, sawdust, cut branches, etc.) waste produced by the slaughter houses, burned oil from the restaurants.

A microenterprise can be built only for collecting the burned oil. Through the project, it can be achieved: the knowing of opportunities, technical assistance and support for implementing the project.



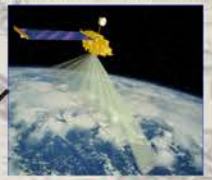
BIODIESEL, BIOETHANOL, BIOGAS, LIGHT LIQUID FUEL, ELECTRICITY, HEATING, FERTILIZERS (OBTAINED THROUGH VEGETAL AND ANIMAL WASTE)

ECO – ECONOMY

The production process utilizes in various steps domestic, vegetal and animal waste. The used vegetal oil can be collected by a microenterprise (jobs, incomes at the Local Authority, less domestic waste). The vegetal remains (straw of barley, oat, cobs, branches from the cutting of the trees), together with dejections from mammals and birds are transformed in bio energy (fuel, electric and thermal energy) or in fertilizers. Also, it can be used the waste from the agricultural production, which was sanitary contaminated.

SOFTWARE PENTRU MANAGEMENTUL AGRICOL DIN ZONA RURALĂ©®™

Monitorizare satelitară

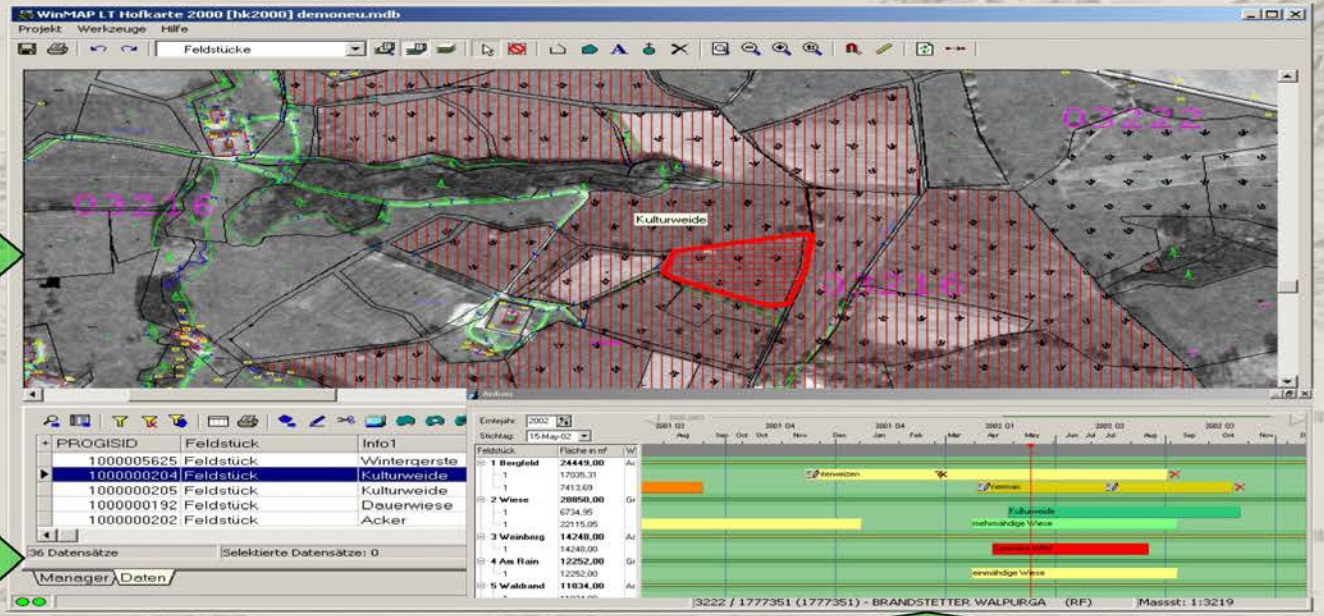


UNDE
(orice suprafață)

SERVER
bază de date

CÂND
(în timp real)

Monitorizare terestră



CUM
(prin specialiști)

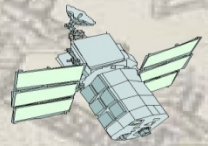
SISTEM COMPLEX

AGRICULTURĂ EFICIENTĂ

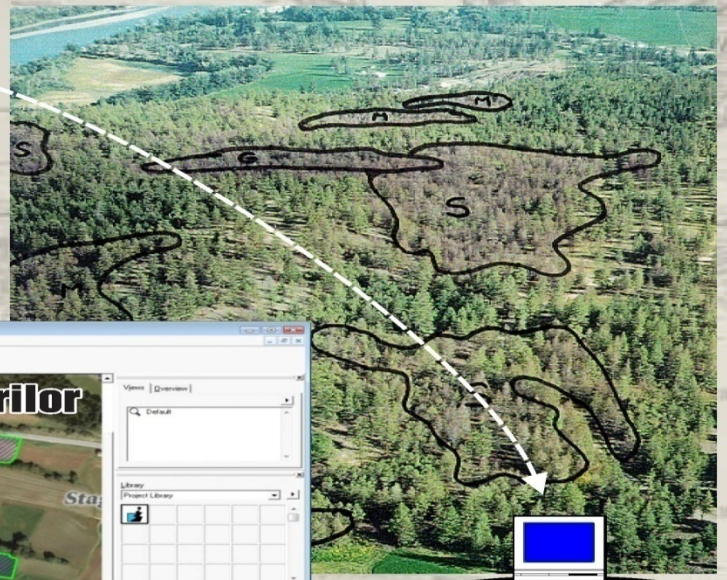
CONSULTANȚĂ AGROSILVICĂ

COOPERARE CU CAMERELE AGRICOLE

SOFTWARE PENTRU MANAGEMENTUL FORESTIER AL MICROZONEI RURALE ©®™



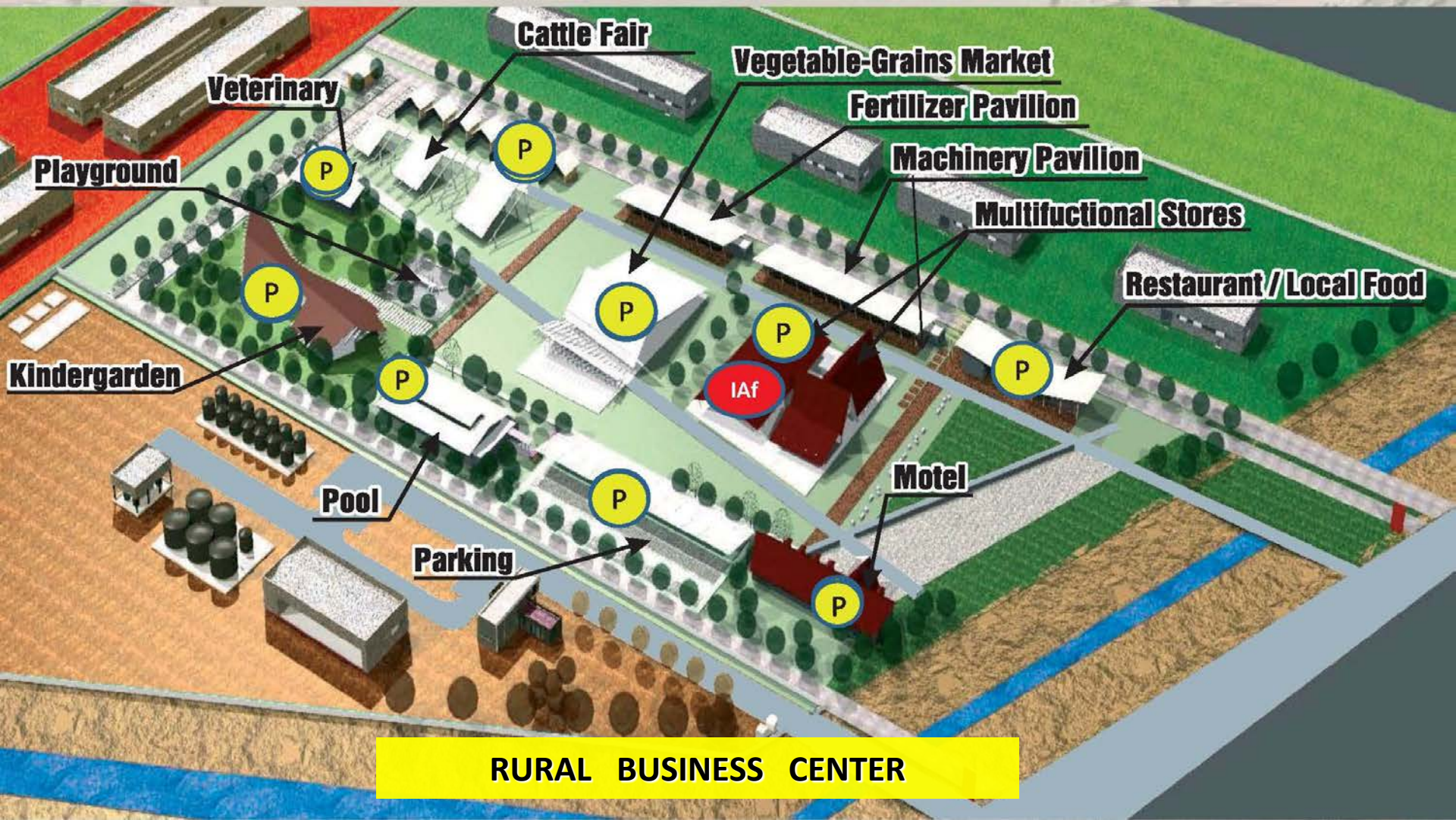
GPS
SMS



Logistică
Forestieră

Baza de date
forestieră

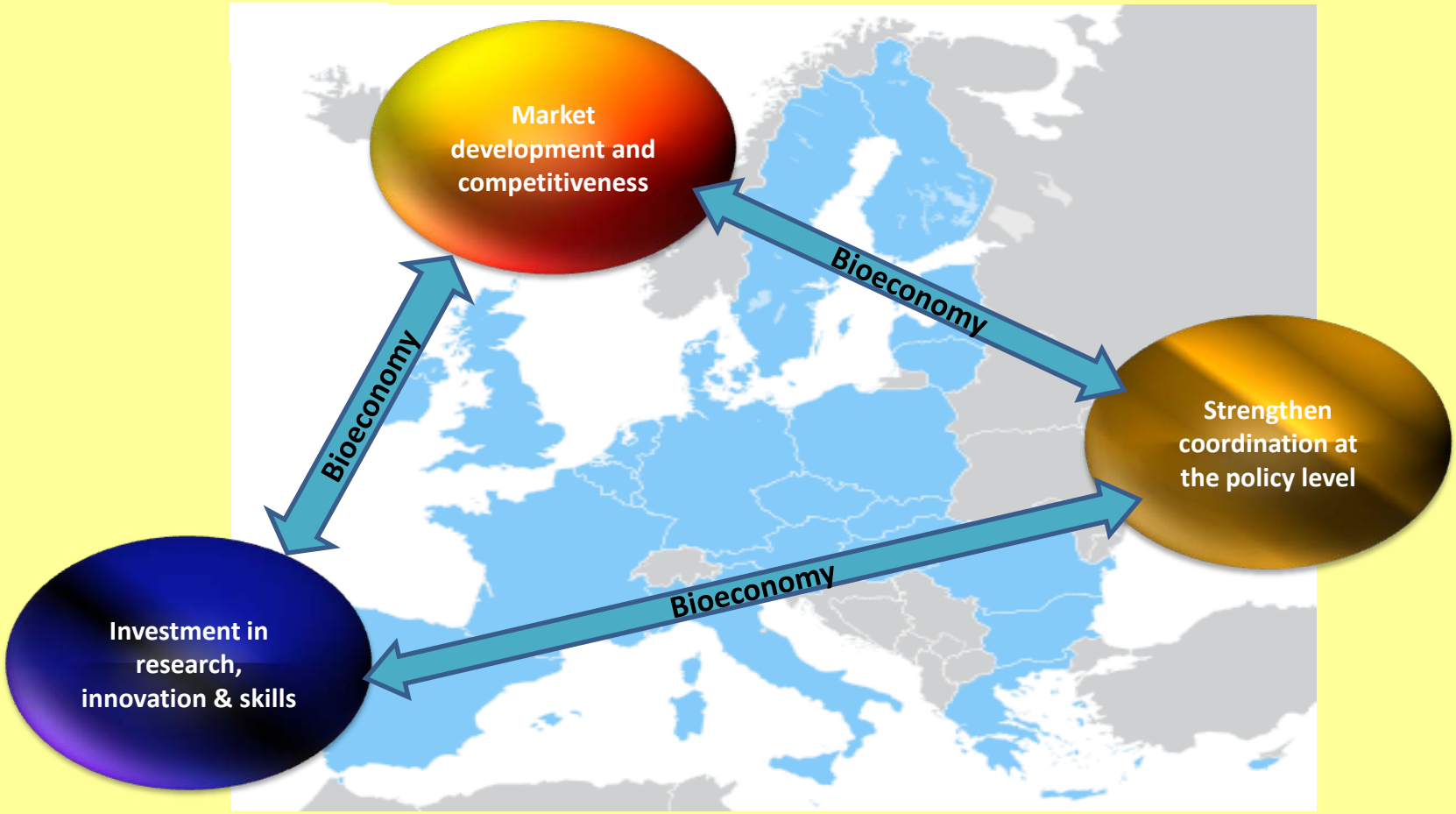
CAPACITATEA DE PREVENIRE A ALUNECĂRILOR DE TEREN
EVALUAREA RISCURILOR DE PRĂBUȘIRE A MALURILOR ȘI TORENȚILOR


Cattle Fair
Vegetable-Grains Market
Veterinary
Fertilizer Pavilion
Playground
Machinery Pavilion
Multifuctional Stores
Restaurant / Local Food
Kindergarden
IAf
Motel
Pool
Parking
P
RURAL BUSINESS CENTER

IMPROVING THE LIVING CONDITIONS IN THE RURAL AREA

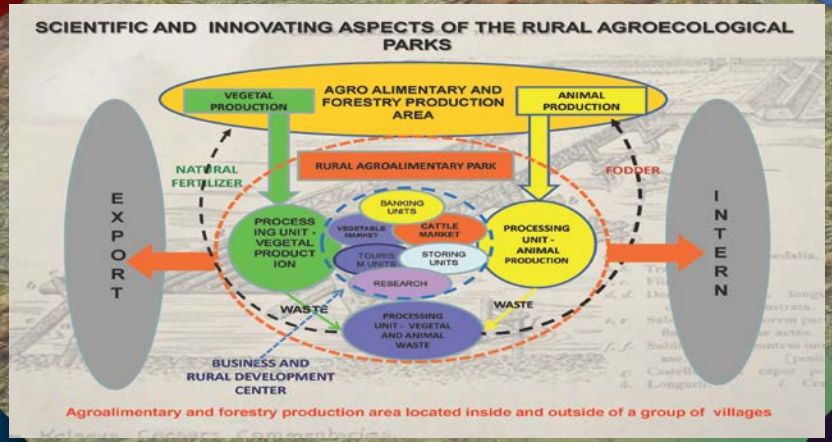
Rebuilding the infrastructure of rural localities implies in the first hand restoring the roads (main and secondary streets) and also all the work related to them: rehabilitation of the drains, access footbridges of the local's yards; realization or the rehabilitation of the sewages or the drinking water channels, realization of the gas supply network and the underground routes of the electrical network,depending on the local needs.

Rehabilitation or realization of the reclaim improvement works: irrigation systems and draining-drainage systems, hydro technical constructions, erosion control and landslides control, improvement of the irrigated terrains .All this complex measures , works and technical interventions, are executed in the scope of stabilization and improvement of the pedological, hydrological and climacteric conditions in order to capitalize the use of agriculture in some unproductive or weak productive terrains in the inside or outside of the rural communities.


Market development and competitiveness
Bioeconomy
Strengthen coordination at the policy level
Bioeconomy
Investment in research, innovation & skills
Bioeconomy

Academic & university

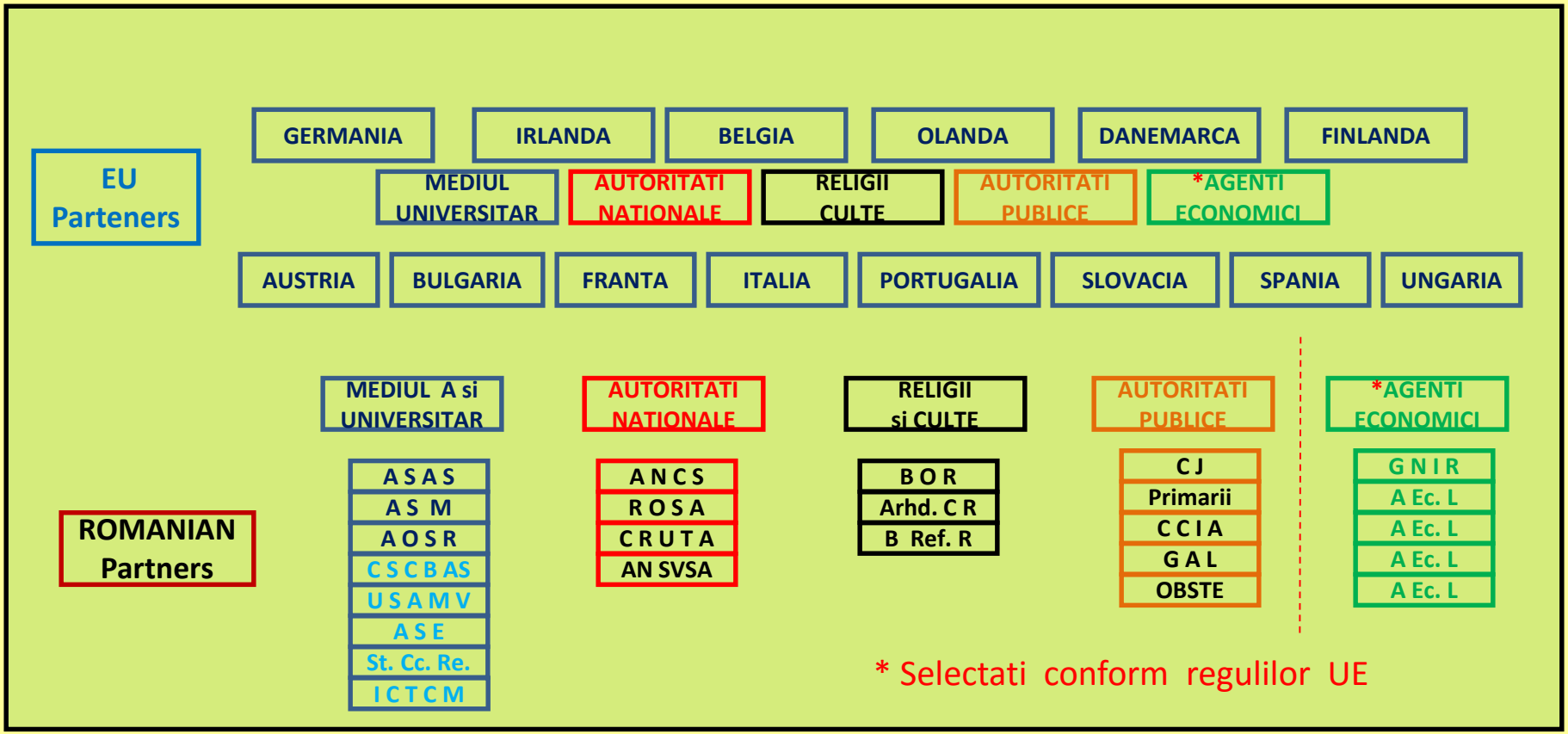
Industrial environment. Economic agents



NGO‘s

National authorities & public

INNOVATIVE PROJECT FOR AGROINDUSTRIAL, FOOD AND FODDER PARK, INTEGRATED WITH RURAL BUSINESS CENTER BASED ON BIOECONOMY



CONSORTIUL PROPUS PENTRU REALIZAREA PROIECTULUI PILOT IN ROMANIA

- **Agro industry high efficiency;**
- **At least 1000 jobs + 5000 in the surroundings;**
- **Better prices for producers;**
- **No waste following the process, but the compost;**
- **Collaboration between industry, academic and public authority;**
- **Development of a larger area (water, sewer, infrastructure);**
- **Attracting European and Romanian farmers to cooperation;**
- **Reduce emigration;**

THANKS FOR THE ATTENTION