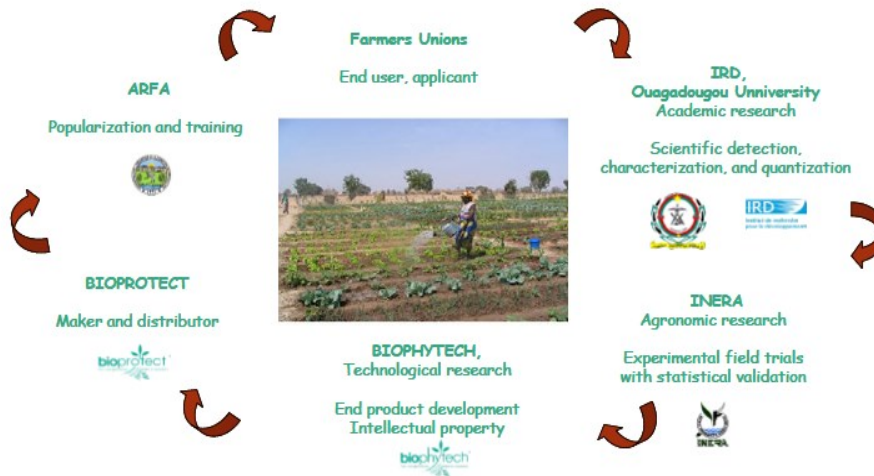


BIOPROTECT Consortium

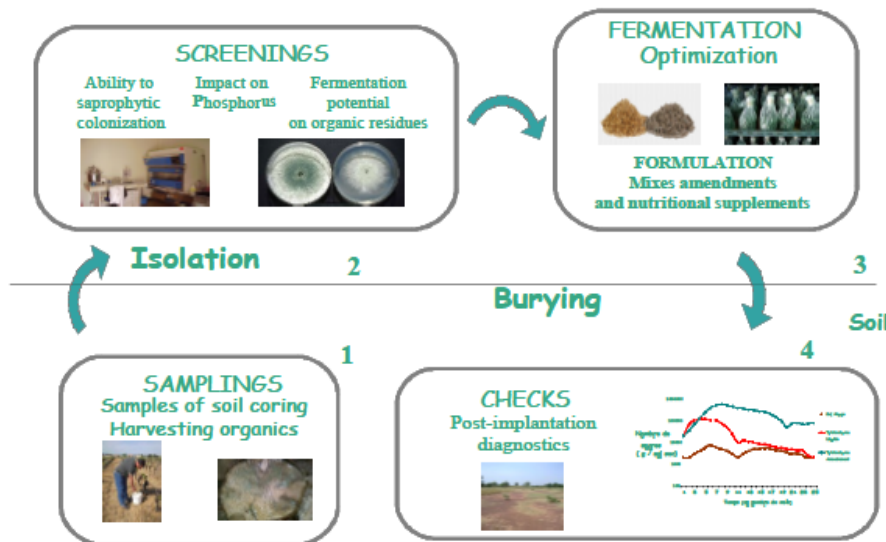
TITLE OF PROJECT: EFFECTS OF ORGANIC AMENDMENTS ENRICHED WITH TRICHODERMA ON VEGETABLE PRODUCTION IN SUB-SAHARAN AREA

COUNTRY: BURKINA FASO

NAME AND RÔLE OF BIOPROTECT CONSORTIUM MEMBERS



Process of culture substrates « biotisation »



Trichoderma ?

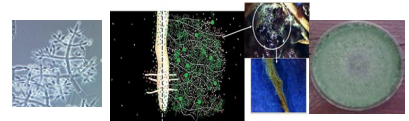
Trichoderma spp. is a cosmopolitan and abundant fungi in soil with various capacities & benefits for plants

Trichoderma : as biofertilizer :

- ◆ Enhances degradation of organic matter, allowing the release of nutrients (N, P, K, etc)
- ◆ Solubilizes the insoluble phosphate and micronutrients making them available for plant
- ◆ Produces phytohormones that significantly increased the total root length leading to promoting of plant growth

Trichoderma : as effective biological control agent for a number of soil-borne pathogens

- ◆ Capability of utilizing diverse substrates and competition for nutrients
- ◆ Inhibition of plant pathogenic fungi (mycoparasitism antagonistic activity) producers of antibiotics and cell wall-



Main innovations

- ◆ Research model
- ◆ Using local *Trichoderma* strain in agricultural production
- ◆ Using local materials in the production of *Trichoderma*
- ◆ Use of the solid state fermentation method for the production of *Trichoderma*
- ◆ Production and selling of compost enriched with *Trichoderma*

Project Goals

Improve the agronomic potential of different organic amendments by developing and disseminating techniques and practices that promote the organic amendment enriched by *Trichoderma* sp.

Expected impacts

- * 30% increase in yield for tomatoes, onions and Irish potatoes
- * 25 % increase in incomes of farmers
- * Promoting of 4 rurals unities who produce and sale compost enriched with *Trichoderma*

Project results

- Result 1: Participatory statement of needs in terms of organic matter for better soil fertility management in the use of market garden production known.
- Result 2: Different formulas and packaging of *Trichoderma* enriched organic amendments are produced and analysed
- Result 3: Agronomic effects of *Trichoderma*-enriched organic amendments are known
- Result 4: Producers master the application of *Trichoderma*-enriched organic amendments

TECHNICAL PARTENERS



FINANCIAL PARTENERS

