

INNOVATION ACTION PROJECT



TRACE-RICE targets the adoption of costefficient and environmentally safe tools for traceability, authenticity, contaminant mitigation and conversion of by-products to innovative rice base food produced in the Mediterranean.

Started on 1st July 2020, brings together public and private stakeholders across the Mediterranean for delivering innovative solutions for fraud and safety challenges in rice sector with an integrated full chain approach ('farm to fork') in 48 months.

RICE RELEVANCE & CHALLENGES



The relevance of rice in the European diet has been increasing due to its fundamental role in modern and healthy diets. Most of the rice consumed in UE is grown in the Mediterranean countries.



WORLD RICE PRESENCE

Rice world **production is 510 Mt**, provides 20% calories consumed



RICE CONSUMPTION

EU - 5.5 Kg/per capita/year **Worldwide** -72.5 Kg/per capita/year



RICE IN MEDITERRANEAN

8 Mt in 2018, main producers are Egypt, Italy, Spain, Portugal



is rice-based foods are highly prone to adulteration.



RICE FRAUD

Fraudulent variety claims, 46% Basmati in UK is adulterated



RICE CONTAMINATION

Pesticides residues, mycotoxines



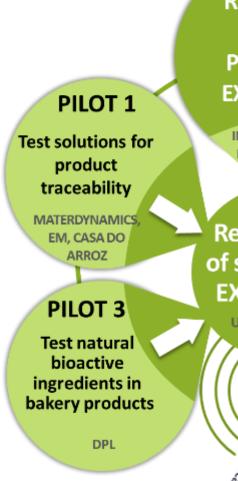






Demonstration and validation activities will be developed by 4 main pilot and 3 market replication cases, starting the technological developments at prototype scale (TRL3-5) and will move to validation/production stages (TRL7-8).

Digital platform and consumer-centric mobile application will be provided for free information on rice traceability and authenticity.



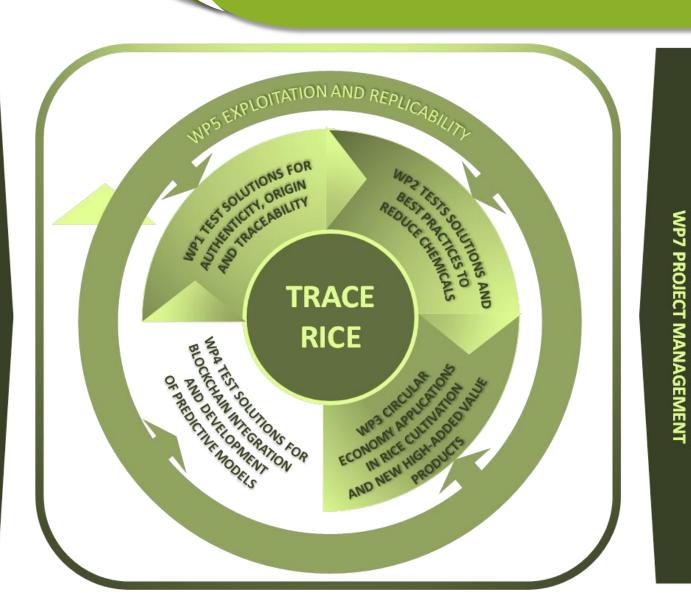
RESEARCH RESULTS PRACTICAL **EXPERIENCES** PILOT 2 INIAV, UNL-ITQB, Test solutions to IBET, CSIC-IATA decrease chemical fumigations EM Replication of successful **EXAMPLES** PILOT 4 U. Alexandria, Test solutions for blockchain integration BGI, EM, CASA DO ARROZ

Market replication cases

BGI,
CASA DO ARROZ
U. ALEXANDRIA

Workplan & budget



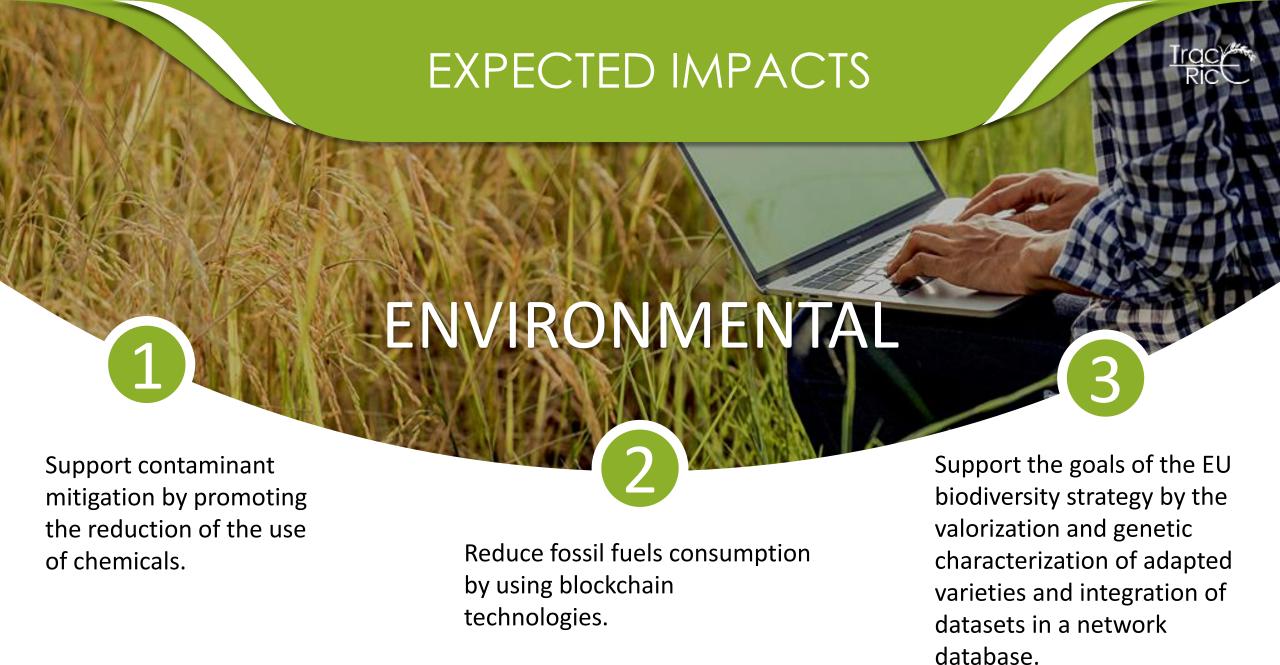


TOTAL BUDGET: €1.802.080

Maximum PRIMA (H2020)

subsidy: €1.599.556, of which

€ 472.555 for SMEs





Foster the Mediterranean rice commercialization in international markets by the mitigation of rice fraud.

Adopt measures to reduce the extreme volatility of prices of rice based foods in the market and facilitate timely access to information thanks to blockchain technologies.

Introduce new business model for a technologically stagnant sector.

Improve the competiveness of local producers and SMEs by fostering interaction between scientific and entrepreneurial stakeholders.



Improve the quality of life of consumers by improving the rice quality control and offering healthier and safer products by upholding quality.

Obtain new high added value products and contribute to food diversity, promoting Mediterranean cultural heritage and boosting the circular economy.

Increase the confidence and producer-consumer engagement in Mediterranean foods.

Trace-Rice Consortium

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