

NGEU – MUR

Call for tender for the presentation of proposals for the Strengthening of research structures and creation of R&D "*innovation ecosystems*", set up of "*territorial leaders in R&D*" — to be funded under the National Recovery and Resilience Plan (NRRP), Mission 4, Component 2 Investment 1.4, funded from the European Union - NextGenerationEU.

PROPOSAL: Tech4You - Technologies for climate change adaptation and quality of life improvement

HUB: Università della Calabria (Unical) - Proposer, Università degli Studi Magna Graecia di Catanzaro (Unicz), **Università degli Studi Mediterranea di Reggio Calabria (Unirc)**, Università degli Studi della Basilicata (Unibas), Consiglio Nazionale delle Ricerche (CNR), Regione Calabria, Regione Basilicata, Agenzia Regionale per la Protezione dell'Ambiente della Calabria (ARPACAL), Agenzia Regionale per la Protezione dell'Ambiente della Basilicata (ARPAB), Agenzia Lucana di Sviluppo e di Innovazione in Agricoltura (ALSIA), Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA), Ente Parco Nazionale del Pollino, Ente Nazionale per il Microcredito (ENM), Forum del Terzo Settore, Distretto dell'Appennino Meridionale, Agenzia Calabria Verde, Ente Parco Nazionale dell'Aspromonte, Ente Parco Nazionale della Sila, Entopan Innovation SRL

COST OF THE PROGRAM: € 119. 000.000

NRRP THEMATIC AREA: CLIMATE, ENERGY, SUSTAINABLE MOBILITY

TERRITORY OF REFERENCE: Calabrian and Lucanian territorial areas

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Spoke 4 - Technologies for resilient and accessible cultural and natural heritage: Unibas

Affiliates: Unical, Unirc, CNR

Goal 4.7: *Protection and enhancement of natural and cultural heritage and identity of the inner territories*

Resp. Prof. Adolfo Santini – dArTe/Unirc – PARTNER: dArTe, PAU, Diceam (Unirc)

Pilot Project 4.7.1 - Open platform "phigital space" (physical and digital) of the type "user profiling" for the advanced and dynamic codesign of interventions on the built and ex novo

Leader: Prof.ssa Consuelo Nava – dArTe / Unirc

TEAM

Resp.Azioni: Prof.P.Fuschi (PAU), Prof.ssa A.Pisano (PAU), Prof.ssa D.Porcino (Diceam), Prof. G.Failla (Diceam), Prof.ssa A.Sofi (dArTe), Prof.ssa C.Nava (dArTe), Prof. R.Pucinotti (PAU), Prof.ssa F.Giglio (dArTe), Prof. E.Chioccarelli (Diceam)

Collaboratori: (RTdA) – Arch. R.Mangano (dArTe), Arch. Ing.S.Cascone (dArTe), Ing. A.Fotia (PAU), Ing.F.Genovese (dArTe)

Abstract: *The frontier themes of Information management and open knowledge for structural and environmental safety on cultural heritage contribute to the processes of "radical innovation" of the mission - spoke 4. The "mechanisms of the just transition", to which respond through the adoption of KET's, address the material and immaterial (physical and digital) management of the "data-information-resources" system, towards the production of models, methods, prototypes realized in "dynamic" regimes, such as "uncertain parameters" and "limit states" of the analysis and "predictive models of advanced design" for the adaptability to climate scenarios.*

The pilot project realizes a system-demonstrator, with the open platform "phigital space" of the type "user profiling" for the advanced and dynamic codesign of interventions on the built and ex novo. The experimentation and validation on n.2 case studies in n.2 historical identity settlements in the most fragile inland areas of Calabria