

# KICK-OFF MEETING PALERMO 18 LUGLIO 2024

COMPLESSO  
MONUMENTALE  
DELLO STERICHIESA  
DI SANT'ANTONIO  
ABATE

**Progetto di Ricerca SIS-Net  
Severe Infections  
and Sepsis clinical NETwork  
for identification of clinical  
and diagnostic Markers,  
immunological monitoring  
and "Target and tailored"  
therapies for adults, children  
and patients admitted  
to intensive care units**

## Obiettivo:

Infections caused by multidrug-resistant bacteria and fungi, alongside the emergence and re-emergence of viruses and other highly contagious diseases, pose significant challenges in clinical and organizational settings. The necessity for multi-center networks has become evident, enabling precise epidemiological surveillance and interdisciplinary research initiatives to deliver swift and effective responses.

This project seeks to address the absence of a network capable of identifying markers and monitoring severe infections and sepsis caused by community and hospital-acquired pathogens in individuals across all age groups, including those in intensive care units.

The primary goal is to establish a national network that facilitates resource-sharing and data exchange for the identification and monitoring of severe infections and sepsis from both community and hospital-acquired pathogens, aligning with the objectives of the INF-ACT research program. The project will encompass five work packages, focusing on establishing a national network comprising adult and neonatal intensive care units, infectious disease and pediatric departments, microbiology laboratories, and designing multi-center registries for descriptive observational and diagnostic-prognostic evaluations. Furthermore, the project will involve analyzing collected data to generate regular clinical reports, exploring associations between clinical diagnostic markers, immunological indicators, disease severity, and outcomes.

This will lead to the development of tailored therapy protocols based on clinical profiles. Ultimately, the project aims to drive scientific progress, enhance the country's scientific reputation from a multidisciplinary perspective, and foster collaboration among participating institutions to ensure the successful implementation of the outlined objectives.

Il Progetto SIS-NET ID S4-01.P0001 - CUP I83C22001810007 è finanziato dal Bando a Cascata COC-1- 2023-ISS-01 - Missione 4 "Istruzione e ricerca" - Componente 2 "Dalla ricerca all'impresa" - Investimento 1.3 "Creazione di partenariati estesi alle università, ai centri di ricerca, alle aziende, emanato dall'ISS - l'Istituto Superiore di Sanità, nell'ambito del Programma di Ricerca e Innovazione dal titolo "One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases (INF-ACT)" codice identificativo PE00000007, finanziato dall'Unione Europea - Next Generation EU" sui fondi PNRR MUR - M4C2" - Investimento 1.3.

## Partner del progetto:

Università degli Studi di Palermo (*capofila*)  
Università della Campania "L. Vanvitelli"  
Università Magna Graecia di Catanzaro  
Università degli Studi di Sassari  
Università degli Studi di Firenze  
Università degli Studi di Genova  
Università degli Studi di Milano-Bicocca  
Università degli Studi di Modena e Reggio Emilia  
Università degli Studi di Parma  
Università degli Studi di Perugia  
Università di Pisa  
Università degli Studi di Roma Tor Vergata  
Università degli Studi di Trieste  
Istituto Nazionale per le Malattie Infettive Lazzaro Spallanzani IRCCS  
Università Telematica San Raffaele Roma  
Società Servizi Telematici S.r.l. (PEDIANET)  
Società Italiana Anestesia, Analgesia, Rianimazione e Terapia Intensiva - SIAARTI