Grace®

TELEMEDICINE & AI FOR CONTINUITY OF CARE FOR CVD

Medtronic

UNIVERSITÀ CAMPUS BIO-MEDICO DI ROMA

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innovative health initiative

COCIR

efpia

EuropaBio

MedTech Europe from diagnosis to cure

Vaccines Europe

Co-funded by the European Union

Current (Main) Projects

Established in 2022, tot grant we wrote: ~80mil, ~7.3mil for our lab since Sep 2022

ODIN [Horizon Europe]
Hospital of the Future

AI4RIRD [PNC]
AI for rare diseases (eye and heart)

EPoCA [Horizon Europe]
Ebola Point of Care for Africa

ENKORE [Horizon Europe - IHI]
Greening, medical device and pharma

IMPACT-MED
AOIMD4 Cardio Metabolic D.

GRACE [Horizon Europe - IHI]
AI, telemedicine and Congestive Health Failure

Afya Moja [PNRR]
One Health in Africa

WHO Medical Device Policy [WHO]
Rewriting WHO device national policies

WHO Medical Device Donation [WHO]
Rewriting WHO device donation guidelines

SISTINE [MUR FIS, *PI J. Lovecchio*]
AI for Tissue Engineering

innovative health initiative

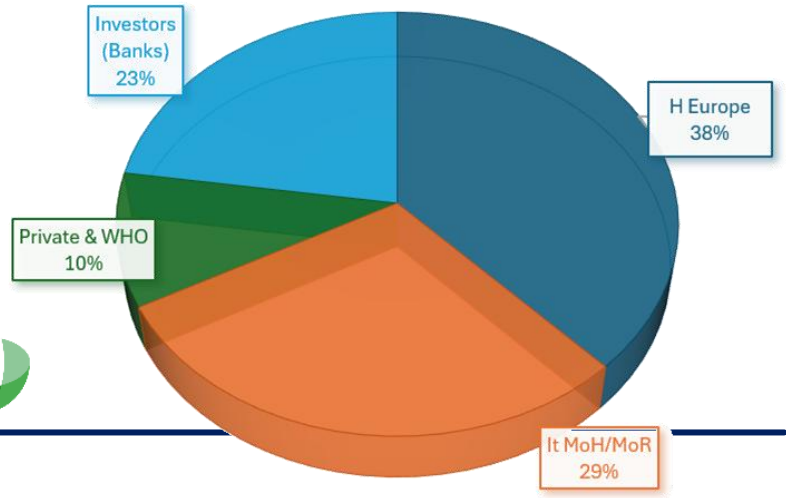
COCIR Advancing Healthcare

EuropaBio

MedTech Europe
from diagnosis to cure

Vaccines Europe

efpia
European Federation of Pharmaceutical Industries and Associations



WHO Collaborating Center for
Biomedical Engineering for Global Health

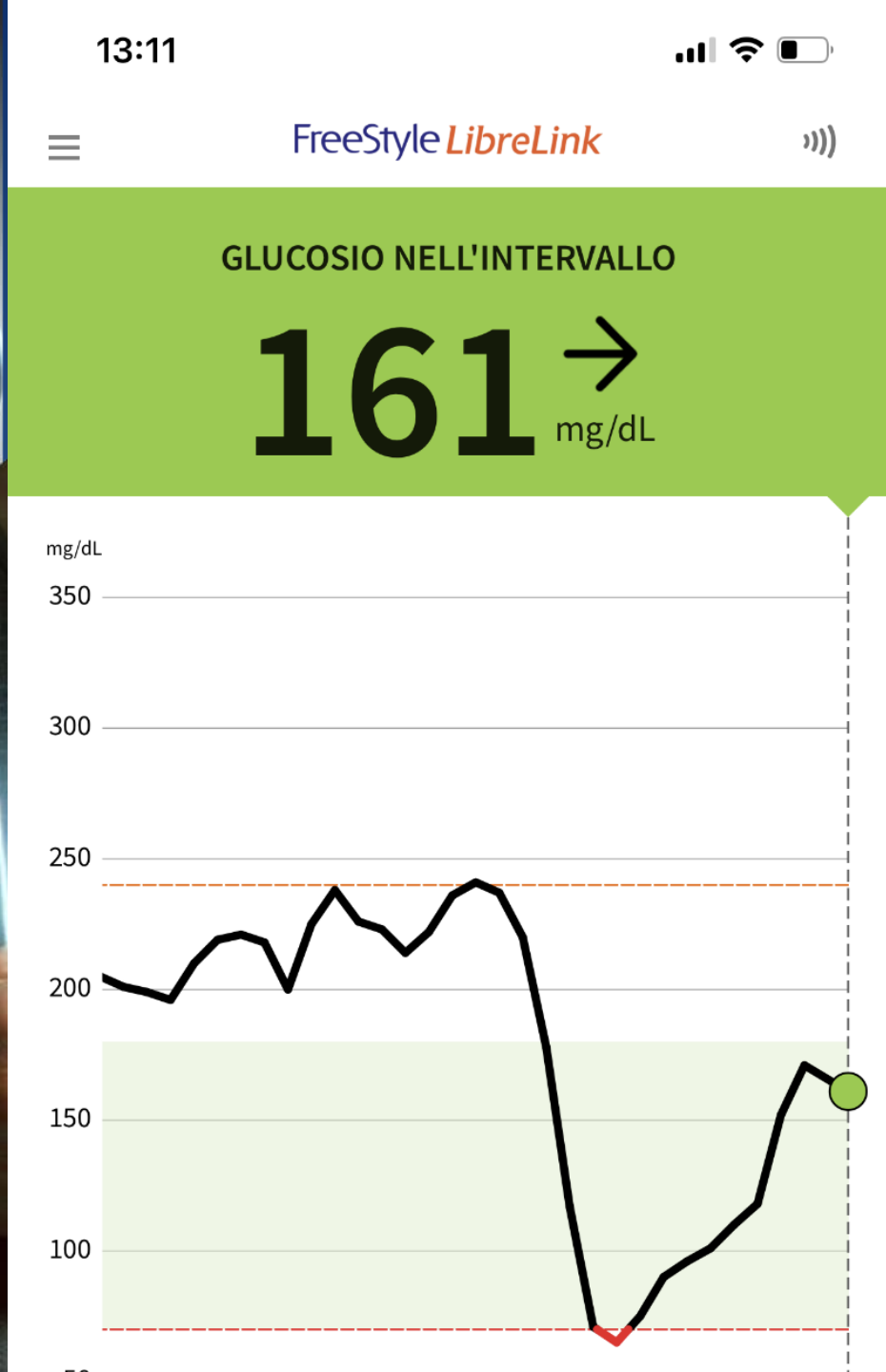
INTESA SANPAOLO

TECH 4 GLOBAL HEALTH
Osservatorio sulla salute globale

Prof Leandro Pecchia leandro.pecchia@unicampus.it

NON COMMUNICABLE
DISEASES (NCDS)
pollutant
awkward
painful

NON COMMUNICABLE DISEASES (NCDS)



TEAM

HEALTHCARE PROVIDERS

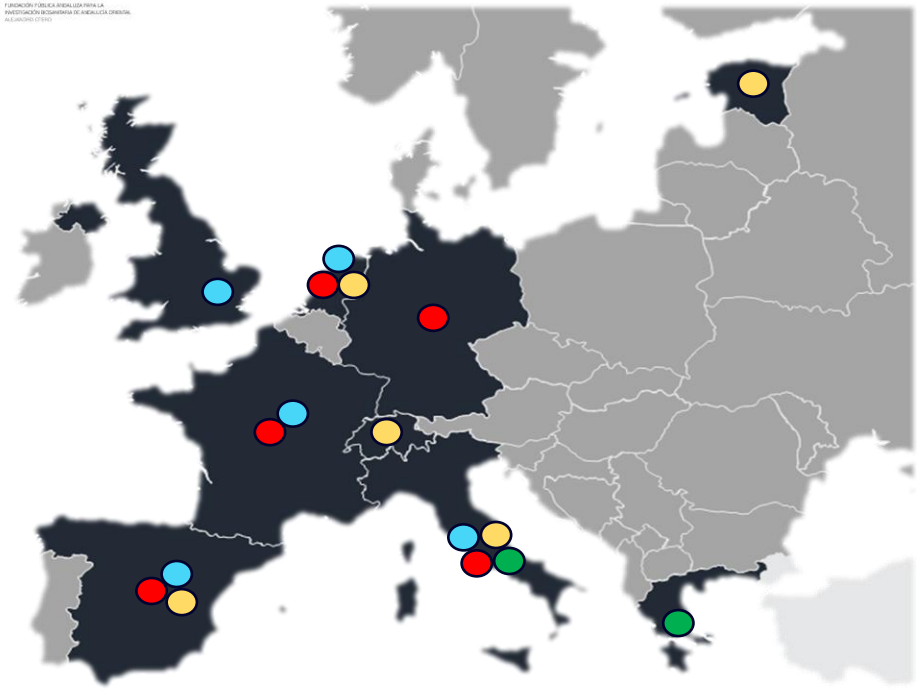
1. CHU RENNES (CHUR)
2. CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES (CNIC)
3. UNIVERSITATSKLINIKUM BONN (UKB)
4. UNIVERSITAIR MEDISCH CENTRUM UTRECHT (UMCU)
5. FONDAZIONE POLICLINICO UNIVERSITARIO CAMPUS BIO-MEDICO (FPUCMB)
6. FONDAZIONE POLICLINICO UNIVERSITARIO AGOSTINO GEMELLI IRCCS (FPG)
7. FUNDACIÓN PARA LA INVESTIGACION BIOSANITARIA DE ANDALUCIA ORIENTAL-ALEJANDRO OTERO (FIBAO)
8. SERVICIO MADRILENO DE SALUD (SERMAS)

LARGE ENTERPRISE PARTNERS

1. MEDTRONIC IBERICA (MDT-IB)
2. MEDTRONIC FRANCE (MDT-FR)
3. PHILIPS MEDICAL SYSTEMS NEDERLAND BV (PMSN)
4. SAMSUNG ELECTRONICS (UK) LIMITED (SAM)
5. DEDALUS ITALIA S.P.A. (DEDA)
6. ASTRAZENECA (AZ)

SME PARTNERS

1. BRIDG OÜ (BRD)
2. PREDICTBY RESEARCH AND CONSULTING S.L. (PBY)
3. HAPPY MONDAYS COMMUNICATIONS S.L. (HMC)
4. UDG ALLIANCE (UDGA)
5. OUTCOMES' 10 S.L. (O'10)
6. WAVY ASSISTANT (WAVY)
7. HUMAN FACTOR & INNOVATION S.R.L. START-UP (HFI)
8. ACTIVE AGEING ASSOCIATION (AOA)



RESEARCH INSTITUTIONS

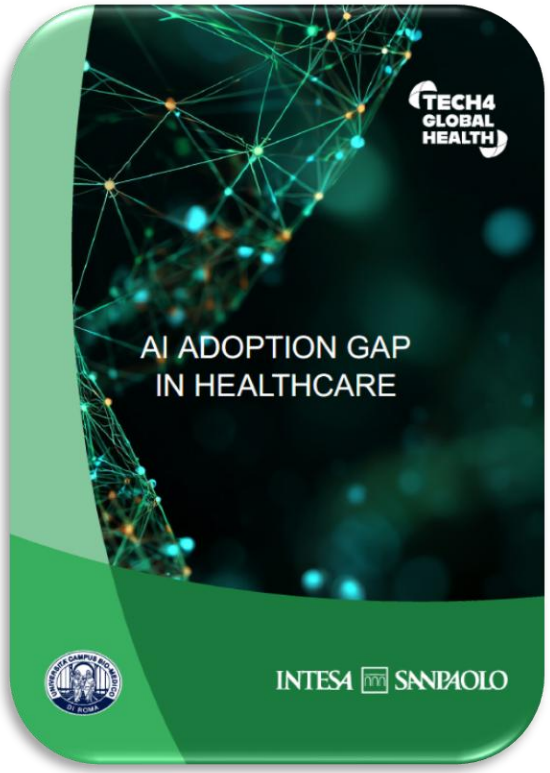
- UNIVERSITÀ CAMPUS BIO-MEDICO DI ROMA (UCBM)
- ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS (CERTH)

PROJECT OBJECTIVES

- **Six Reference use cases**: the projects will run 6 pilots covering 4 specific target cardiovascular diseases (arrhythmias, SHD, CAD, HF) targeting the general population, elderly and patients with comorbidities.

- **Six advanced functionalities for CVD management**:
  - advanced patient **monitoring and management** (remotely and in-hospital) function;
  - **early detection and diagnosis** of red flags and health trajectory deviations;
  - optimization of the **clinical workflow**;
  - **co-pilot** for personalized treatment definition;
  - **knowledge discovery** function via patient **digital twins**;
  - functions for increasing and monitor **engagement and satisfaction of** users (patient, carers and HCWs).

- **Continuum of care models, approaches and tools**

- **Assessment framework**: 3 main aspects:
  - the **clinical workflow** and the early interventions,
  - the **allocated resources** and health care coordination teams and
  - the **patient empowerment** and self-management strategies.

Grace® Thank you!