HORIZON 2020
HNN 2.0
HEALTH-NCP-NET

HEALTH,
DEMOGRAPHIC CHANGE
AND WELLBEING

4 July 2019, Brussels

HEALTH
PARTNERING DAY 2019

#H2020PartnerHealth

Wireless patient bio monitoring and smart IoT system connected to the patient´s bed at the hospital or at the home

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Glintt ISR CMU

Organization

- Glintt - Global Intelligence Technologies

- Large, private entity

- Operates in Portugal, Spain, Ireland and UK

- Innovation department

- Expertise: R&D project management in ICT for integrated care, IoT, logistics, big data and gaming

- Past experience in EU-funded projects: partner in several EIT Health projects and H2020 Pharaon
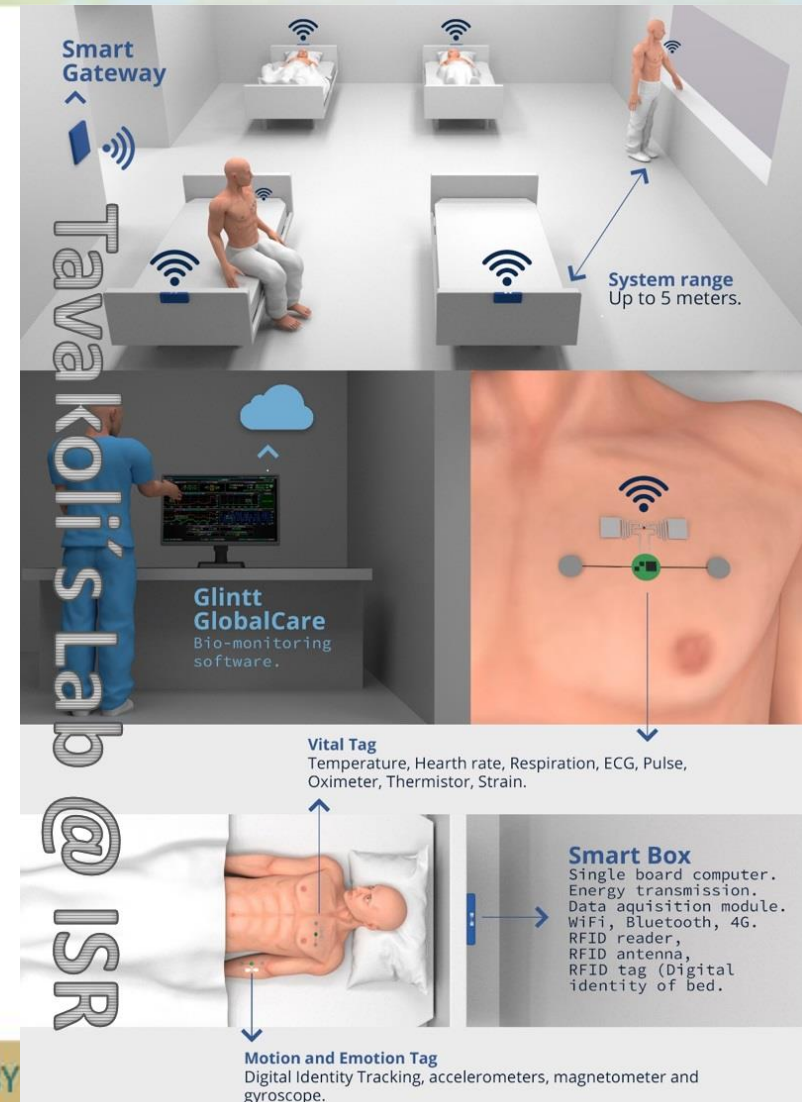
- **Transforming digital health through wireless patient monitoring**

- **H2020 topics:** SC1-DTH-02-2020: Personalised early risk prediction, prevention and intervention based on AI and Big Data; SC1-DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care; DT-TDS-01-2019: Smart and healthy living at home

- **Project description:** Development of a wireless patient biomonitoring architecture based on ultra-thin, stretchable electronic skin patches to acquire and transmit the patient's physiological data, through a smart IoT system during (and after) their hospital stay.

Smart Gateway

System range
Up to 5 meters.

Glintt GlobalCare
Bio-monitoring software.

Vital Tag
Temperature, Hearth rate, Respiration, ECG, Pulse, Oximeter, Thermistor, Strain.

Smart Box
Single board computer.
Energy transmission.
Data aquisition module.
WiFi, Bluetooth, 4G.
RFID reader,
RFID antenna,
RFID tag (Digital identity of bed.

Motion and Emotion Tag
Digital Identity Tracking, accelerometers, magnetometer and gyroscope.

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- **Current consortium:**

  Established group composed of the complete R&D chain

  – 1 IT provider for healthcare and pharma;

  – 2 R&D institutes with proofs of concept in the printing of stretchable electronic skins, expertise on IoT smart sensing and artificial intelligence and in materials science;

  – 1 American research group with expertise on fabrication methods and ink formulation,

  – 1 healthcare center as potential end-user.

- **Profile of the partners sought:**

  – Need to enlarge the number of end-users to test the solution (hospitals, patients organizations, home care providers)

  – Partners with expertise in big data and artificial intelligence

Contact details

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