

The European Coordination Hub for Open Robotics Development

E++ Review Meeting Period 3

Fernando Fernández (UC3M)

Antonio Bandera (UMA)

EUFO building, Luxembourgh / February 14





Institut Charles Delaunay





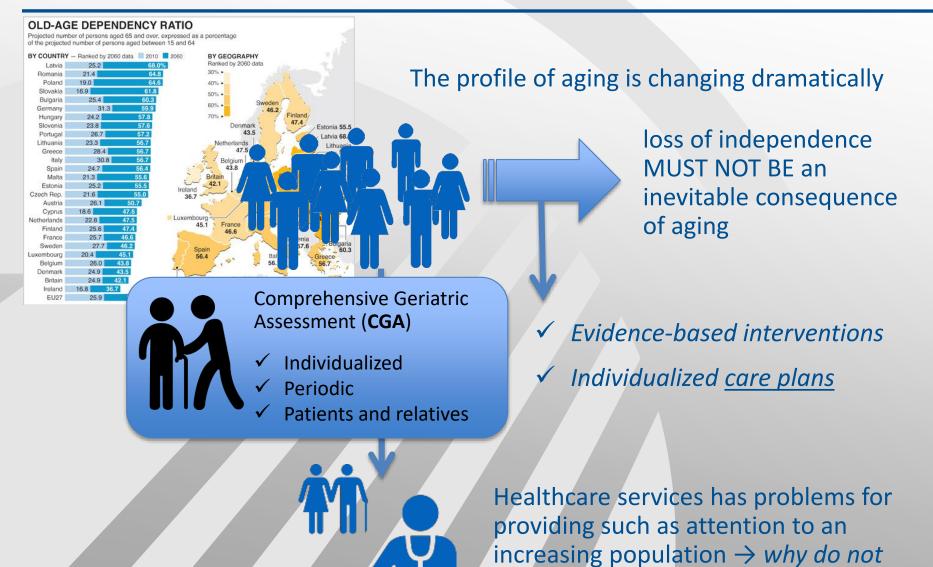
Universidad Carlos III de Madrid



UNIVERSIDAD DE MÁLAGA



Background / motivation

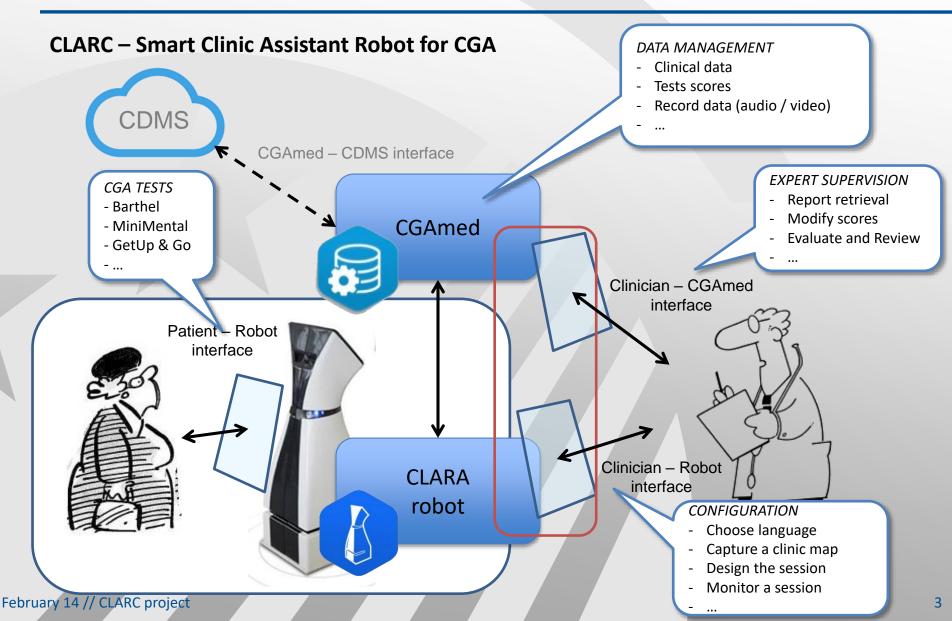


develop a tool for help them?

February 14 // CLARC project

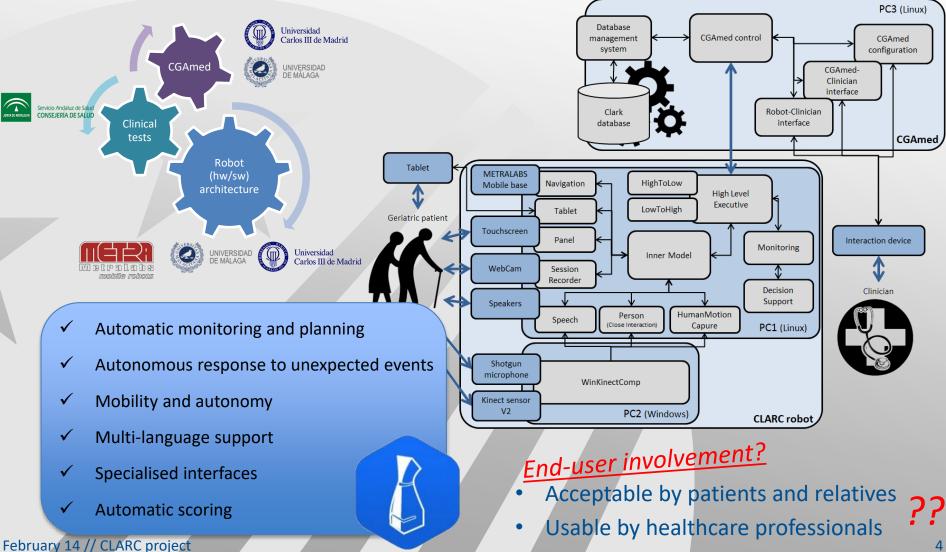
2







CLARC – Smart Clinic Assistant Robot for CGA







Participatory and user-centred Design Approach

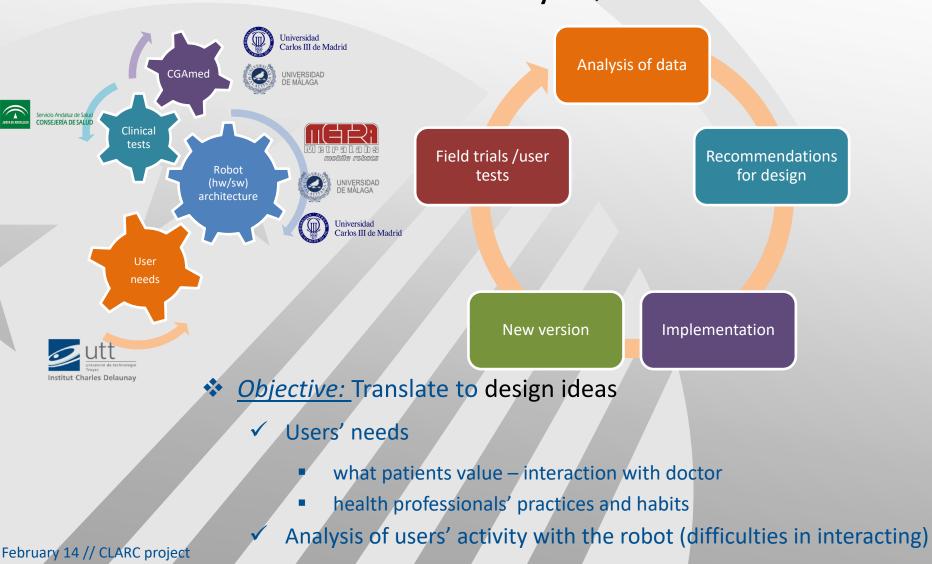
Users

- Seniors (potential patients)
- Health professionals

Beginning of Phase 2: User requirements analysis

- User tests (based on working prototype)
- Participatory workshops
- Interviews
- January Consortium meeting Data
 - 10 user tests Barthel + Get Up & Go (French)
 - 3 user tests Minimental (English)
 - 13 post-test interviews
 - 5 interviews of health professionals (geriatricians, physiotherapist, nurse, retirement home director)



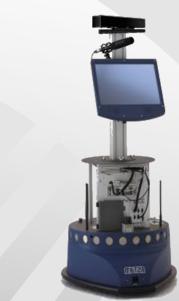


User analysis → Recommendations



Demonstrator/ prototype





Kinect sensor v2 Shotgun microphone Touchscreen monitor 2 omnidirectional speakers Barebone i7

Embedded PC with intel-i7 CPU and Wi-Fi

SCITOS G5 mobile base



Home Robot - Information -



Robot control

Robot test



Tests results



First results: hypothesis of use case confirmed

- Acceptability of robot seniors
 - feel at ease doing the test
 - ✓ easy interaction
- Usefulness for health professionals
 - ✓ Geriatrician: greater efficiency in follow-up
 - Nurse: more time for relational

February 14 // CLARC project



pour développer cette innovation technologique, et le robot est actuellement à l'UTT pour la recherche. Ce

vendredi matin, il était notamment question d'un atelier participatif, une immersion pour 16 séniors.

Impact from participation in ECHORD++



BSTRACT reasoning about phenomena from the outer A BSTRACT reasoning about phenomena from the tones world is intimately tied with the existence of an internal

than an advantage by Hartley 181 as world could mean dia



Thank you.

Questions?