



CELTIC-NEXT
Innovate UK Summer Briefing
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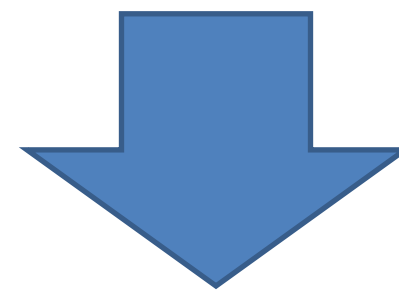
**Secured Autonomous Fog-based Efficient
Home/Outdoor Monitoring for Elders**

SAFE-HOME



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Our generation is getting older
Population of 60 and more years old has doubled in 2017 compared to 1980
[UN report]



Burdens are increasing on healthcare systems



UN 2030 Sustainable goals:
“Ensuring healthy lives and promote well-being for all at all ages”

Teaser



Socio-economic impact: enabling seniors to live a fully autonomous life, from the comfort of their home, with autonomous monitoring of their health

Economic impact: on healthcare systems, reducing costs through reducing hospital visits, etc..

Optimum Goal

An autonomous monitoring system for elder citizens at home (and outdoor) to enable them to live a fully independent autonomous life

Organisation Profile

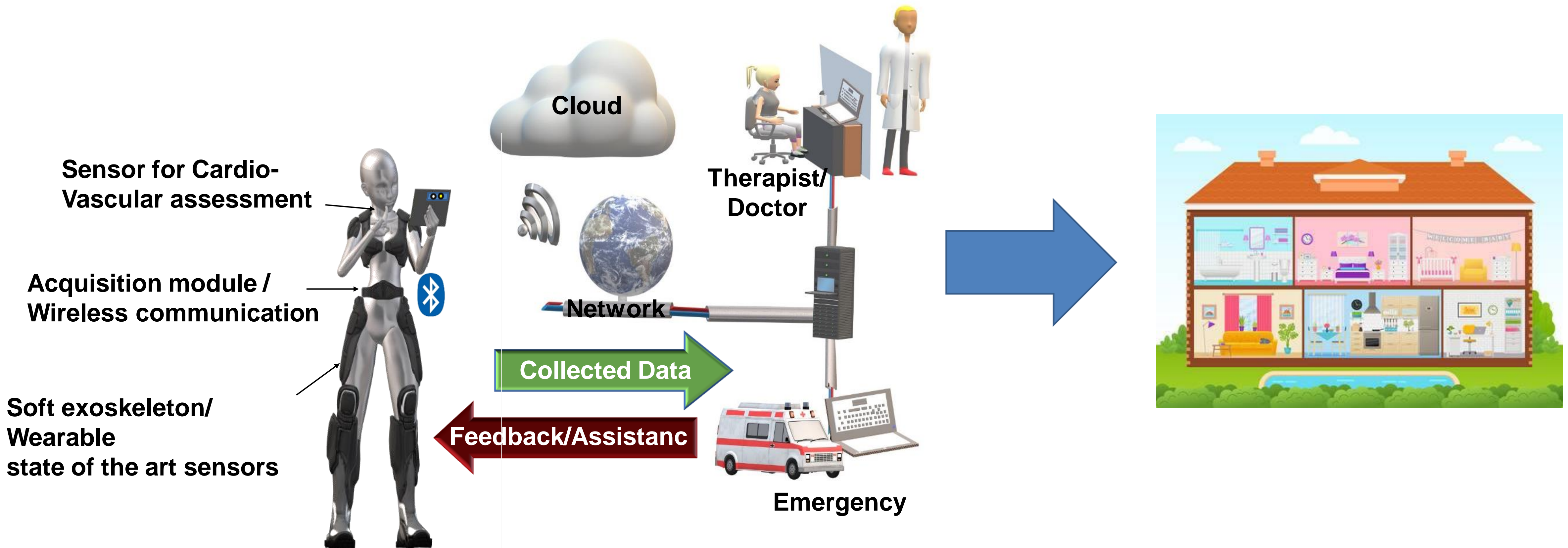


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Proposal Introduction



Proposal Introduction (2)



Requirements



Sensor Design



Efficient Reliable Networking



Data Processing

{ Fog
Cloud

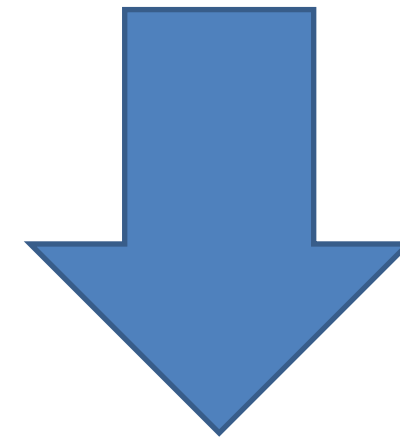


Artificial Intelligence

{ Inferring events
Prediction

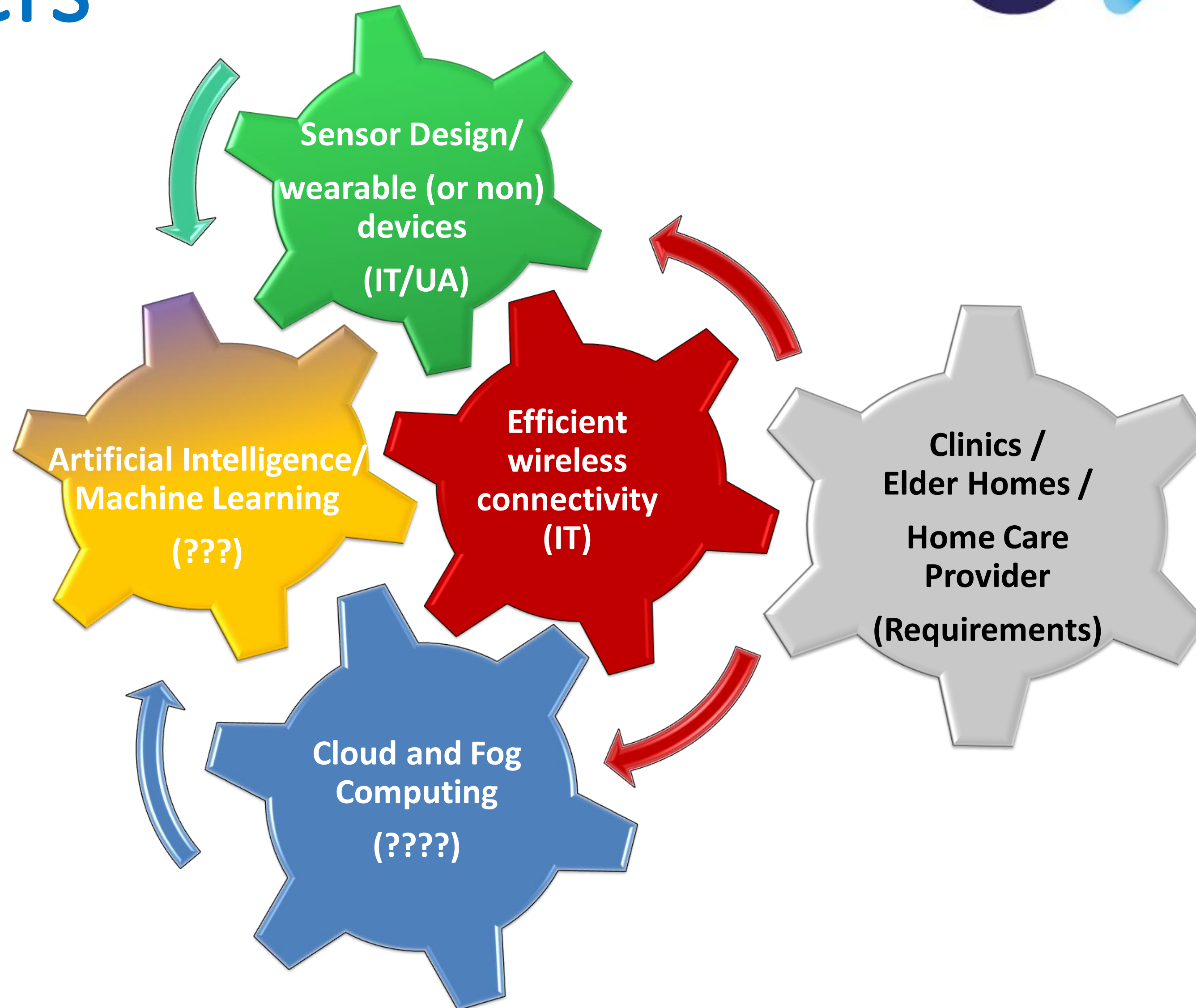


Being active and physical exercise help maintain the physical and psychological health of elder citizens.



Interaction with others, especially during rehabilitation exercises, helps diminish the effects of treatments both at a psychological and physical level.

Partners

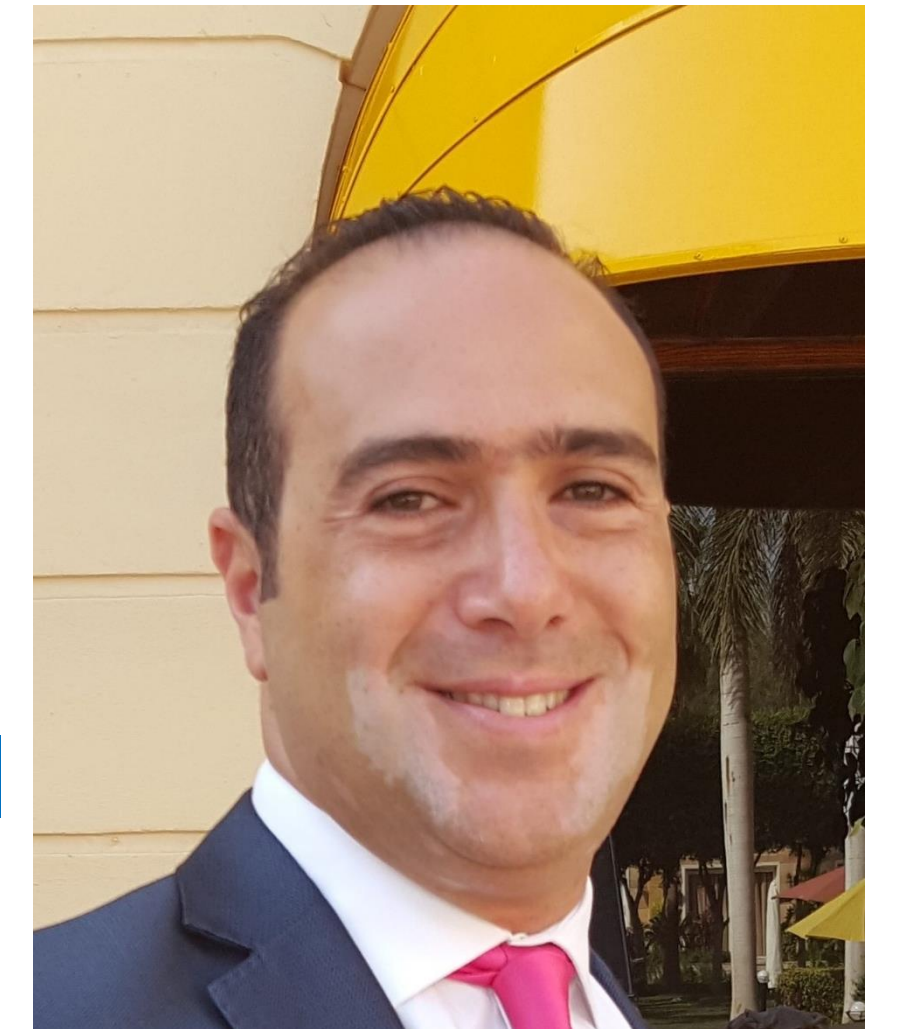


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