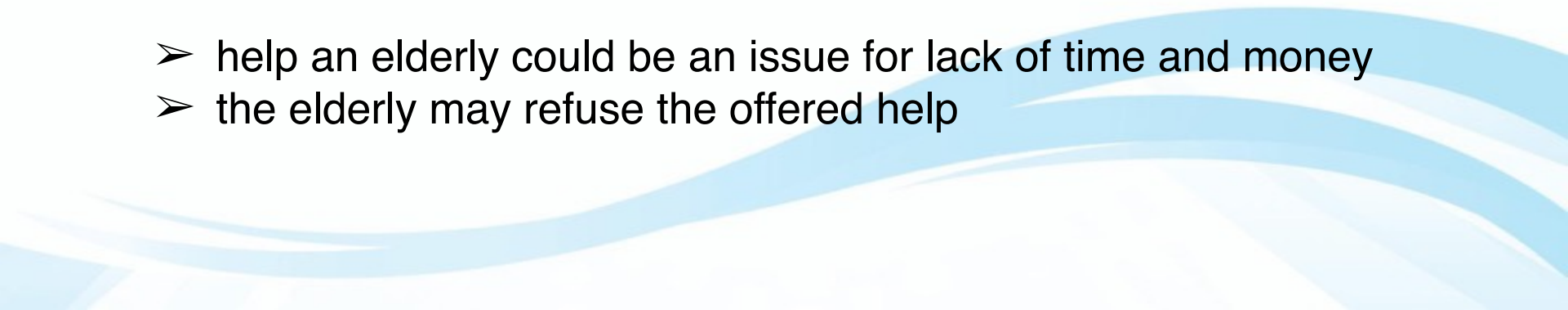# REMOTIVE

For an elderly person

➢ a daily simple task can be a real problem
➢ admit the need of an help is part of the problem
➢ ask for an help can open the door of an hospice

For the relatives of an elderly person

➢ help an elderly could be an issue for lack of time and money
➢ the elderly may refuse the offered help

The solution: REMOTIVE!

A not expensive way to:

- ➢ make the elderly more independent
- ➢ let the elderly behave as usual but with less dangerous consequences
- ➢ give to the relatives an effective and efficient way to help

Our System is:

- ➢ a simple and not intrusive way to know where the elderly is and what he/she is doing
- ➢ a way to make the house behave in the right way when the elderly needs an help to remember or to do something
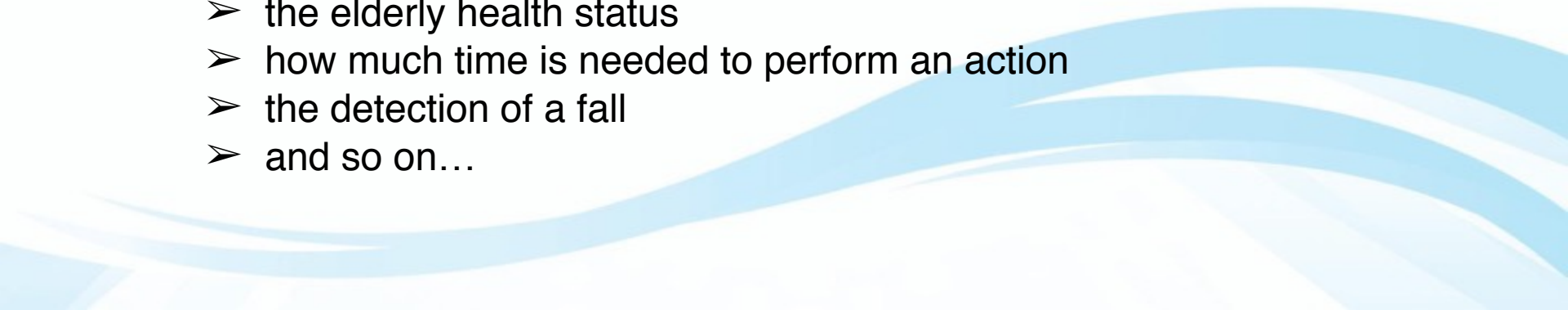
In pieces

➢ bluetooth Low Energy sensors on the wrist of the elderly (UDOO Blu board, Blueup beacon)
➢ bluetooth actuators associated with different type of actions (iBlio iot semplice)
➢ a central processing unit (UDOO NEO)
➢ an android application to configure the system

Triggers...

The sensors informations are collected by the central unit and are represented as Triggers in the system database. Examples of those infos are:

- ➢ where he/she is
- ➢ what he/she is doing (through pattern recognition)
- ➢ the elderly health status
- ➢ how much time is needed to perform an action
- ➢ the detection of a fall
- ➢ and so on…

...and Actions

The actuators can be installed and registered as Actions in the system database. Examples of actions are:

- ➢ switch on or off a light
- ➢ open or close a door
- ➢ notificate a relative about a problem
- ➢ close a gas/water knob
- ➢ tell the elderly to do something
- ➢ and so on..

In actions!

With the android app, the relatives can configure a Recipe: one or more Actions can be associated to one ore more specific conditions (Triggers), valid in a specific period.

For example:

- ➢ send me a notification in case of a fall detection
- ➢ if the subject is in the bedroom and he's sleeping for at least two hours and the lights in the house are on, then switch them off
- ➢ if the subject is inside of the home from 30 minutes and the door is not locked, then lock the house door
- ➢ if the subject is in the toilet from more than an hour, then notify me
- ➢ if the subject is not in the house after the 21:00 and before the 6:00 then notify me

Possible future developments

➢ More Triggers!
➢ More Actions!
➢ More Recipe!
➢ More independence and serenity for the elderly and their relatives.