AAL PROGRAMME	**PETAL**

1. *General Meeting Agenda*

Date: **12.13.6.2018**
Location: Hotel Kolping Bolzano, Largo Adolph Kolping 3, I-39100 Bolzano

Objectives:	1. Welcome 2. Review progress and planning for each WP 3. Deliverable preparation 4. Trial planning 5. Management, administrative and financial aspects

Participants: Apollis (Elena Vanzo, Hermann Atz, Ulrich Becker), Fondazione Santa Lucia (Nerisa Banaj), CNR (Fabio Paternò, Carmen Santoro, Marco Manca, Silvia Tulli), ANA Aslan (Mircea Marzan + Andrei Voicu), Ideable (Iñaki Bartolome), Bartenbach (Lisa-Marie Neier, Wilfried Pohl)

Day 1 – Tuesday 12 June 2018	

Agenda, objectives of the meeting   (CNR)
Overview of the agenda meeting by the coordinator

Interactive session with personalization rule editor   (CNR/All Partners)

Participants of the meeting created some rules with the Personalisation Rule Editor, having specific structures (e.g. with simple triggers, with complex triggers, with events and conditions)

Actions@CNR /Issue raised:
- issue: to change the language in the rule editor we should do log-out
- issue: special characters are not supported
- bug in saving the natural language string of a rule that includes a 'not' operator
- support the possibility to dim a light over a period of time

- visualise the most recent rules in the top part of the rule editor window
- support the possibility to change the colour temperature
- specify the type of input for the notification (e.g., e-mail, cellphone number) or associate number and e-mail to a username
- add pop-up confirmation after selecting the colour of the light

Presentation from EURAC people(Ines Simbrig, Sonja Vigl)
- short presentation of Eurac Research, Institute of Public Management
- some relevant projects:
    - gAALaxy http://www.aal-europe.eu/projects/gaalaxy-2/

Planning of the usability and accessibility (in-lab) evaluation of developed tools – define parameters, data collection, databaseT1.3 Leader (APOL)
- CNR and Apollis present a plan for conducting in-lab usability evaluation of the rule Editor
    - CNR will help in preparing informative material for the evaluation (powerpoint + video) in English (then partners will translate them in the local language)
    - Task-based evaluation
    - We will use a standard questionnaire (SUS) + one specific for this type of test
    - We plan for 15 users at Apollis, 10 users at ANA, 10 at SLF, 5 at Bartenbach
    - Users can be formal or informal caregivers
    - Tests should be carried out by September 10

Personalisable Lighting System T3.3 Leader (Bartenbach)

- Presentation of Bartenbach lighting concepts
- Bartenbach GREAT luminaire (that is built by another project) could be relevant for our project. However, there is the issue of integrating internet connection in the GREAT luminaire
  - Philips Hue lights do not allow to achieve some effects like light shower
  - (Higher) cost of the GREAT luminaire can have less impact on our costs if Philips can actually sponsor the cost of Philips lights (to be checked by Bartenbach by end of June)
  - The plan is that the PETAL lighting system will extend the existing lighting system but not will replace it

Monitor and Behavior Analysis WP3/4 Leader (SLF)

Presentation by Santa Lucia about a recent workshop FSL organized with caregivers about what could be relevant for them to monitor and analyze:

- Treatment compliance, safety, nutrition
- Issue of dealing with people that easily get distracted/forget what to do
- FSL interested in doing brain monitoring with fMRI (pre- and post- tests), ANA should be able to do it as well, we need to check whether the number of users is sufficient

Field Trial Preparation and Plan WP4 Leader (ANA)

- Presentation by ANA about how to prepare for field trials
- Excel file in dropbox with characteristics and prices of sensors
- Meeting participants started to think about possible sensors to consider for field trials
  - Tablet, fitbit (battery is an important aspect - minimize the need of recharging), arduino (used to control the hue lamp), estimote proximity beacon (1 for each room, to detect where

user is), 1 arduino uno (master) and 1 arduino micro for each arduino sensor
- o Inaki: Consider the possibility to use fitbit + bluetooth scanner (in the center of the house)
- o Need for technicians helping in setting/configuring devices for field trials:
    - each partner involved in the trail should think about some people that can deal with positioning sensors and lamps in the test flats
    - each partner should nominate a person that is going to put sensors/lights, etc.
- o consider the possibility to do a video for showing how to setup things in the homes

(Visit to the wine cellar and social dinner)

Day 2 –Wednesday 13 June 2018	

Dissemination and exploitation plans   (WP2 Leader Bartenbach/Apollis)

- Presentation of slides from Bartenbach and Apollis
- Consider whether we want to enter the market, not during the project - after the end of the project
- Analyse the target market – see gAALaxy project
- we must create the business canvas model for our project
- AAL2Business.com workshop
- Exploitation plans at both partner level and at project level
- The business model can be also based on delivering specialised services in addition to the platform, systems, and applications.
- Presentation of a draft of a booklet by CNR

- o Too detailed – it should be summarised, it should be more visual (more images), to more easily convey information about what we do to potential volunteer users interested in participating in the trials
- Create a newsletter after each meeting project – for internal use

Architecture specification T3.1 Leader (CNR)
- Presentation of the architecture by CNR
- hue motion sensor seems more reliable than the Arduino motion sensor
- Difficulties in finding patients having flats with internet connection - Possible issue if participants do not have internet connection at their homes – we also need Ethernet connection (the Philips bridge needs to be connected through Ethernet cable to the router)
- CNR cannot pay any internet provider for the connection
- Ideable: we can solve this issue by using a 3G sim card. ANA and Ideable can pay for this
- We may also need to have a public IP for the local router

Application integration with platform   Leader (IDE)
- Presentation from Ideable about possible integration of the kwido application with the platform
- Ideable need a router to create a local wi-fi in the home
- Ideable use fitbit + beacon scanner to localise a person (a video has been shown)
- The scanner needs calibration (someone has to go in each place)
- hue motion range: 5 meters
- User's cognitive level will be classified according to 4 cognitive levels (based on Mini-Mental State Evalutation MMSE)

- User's motivation will be evaluated with the rating of voluntary usage
- kwido is an app, but Ideable has already created a REST api to connect Kwido with the platform
- CNR will create a rest service to allow context manager to receive the events that will be generated by the Ideable app, examples of possible events are the motivation for playing or the cognitive level
- Ideable application should be able to receive actions from the adaptation engine such as: messages (ok, you're doing well, you should play, persuasion messages)
- CNR and Ideable will have a technical call for checking the implementation of the platform / application integration

Planning for field trials: define target flats for field trials (how many rooms, how many persons living in the flat, …4 flats per country), ethical issues and ethical regulations   T4.2 Leader (SLF)
- Presentation from FSL
- Difficulties in finding people that meet all the 'ideal' requirements (e.g. living alone, small flats, no animals, yes internet connection,…)
  - Possible issues (e.g. if the test person lives with others) can anyway be solved by e.g. a combination of sensors, and also taking into account that, in the end, some things/software will be used just by the actual test person (e.g. the application, the wristband, etc) → we should be able to identify the actual user of interest
  - Hermann: the conditions of MCI people can vary very quickly, it can be risky to recruit too ahead of the filed tests
- We need to create an installation manual for the technical persons that are going to configure the homes for the test
- Ethical issues – Ethical Committee approval
- Not only ethics but also privacy issues

- We should investigate what to do regarding ethical and privacy issues at local level
- Informed consent is necessary also for the caregivers
- Trials will start in January 2019

Open points, questions + Conclusion, future plans, To-Do`s (All partners)

- Deliverable responsibility assignment:
  - D1.3a Usability and Accessibility Evaluation Report [M12] - Apollis
  - D2.2a Dissemination plan [M12] – CNR
  - D2.3a Business Plan [M12] - Bartenbach
  - D3.1 Architecture Specification [M12] - CNR
  - D3.2a Monitoring and Behaviour Analysis [M12] - Ideable
  - D3.3a Personalizable Lighting System [M12] - Bartenbach
  - D4.1a Demonstrator and Field Trial Preparation [M12] - ANA
  - D4.2a Field Trial Plan [M12] - SLF

To do (ALL)

- Put the slides in the dropbox folder
- Send the list of terms that need to be translated. Ana should translate the terms in Rumanian that will be uploaded on the Personalization Rule Editor by CNR (Bartenbach and Apollis should check the German version and indicate whether there are errors)
- Provide a floor plan and photos of the field trials apartment for DIALux light simulation
- Next meeting (in conjunction with the AAL forum)
  - Bilbao: Thursday 27 September (all day)- Friday 28 September (only morning) → 1.5 day

- A draft of the deliverables should be ready by September 20 so that at the meeting we can check whether they are okay or need improvements before sending to AAL
- Internal reviewing of deliverables before submission (as indicated in the deliverable 5.2 quality and contingency plan)
- Next call will be decided through a doodle