

May 16th 2016



HYPERMEDIA 2016 PROJECT

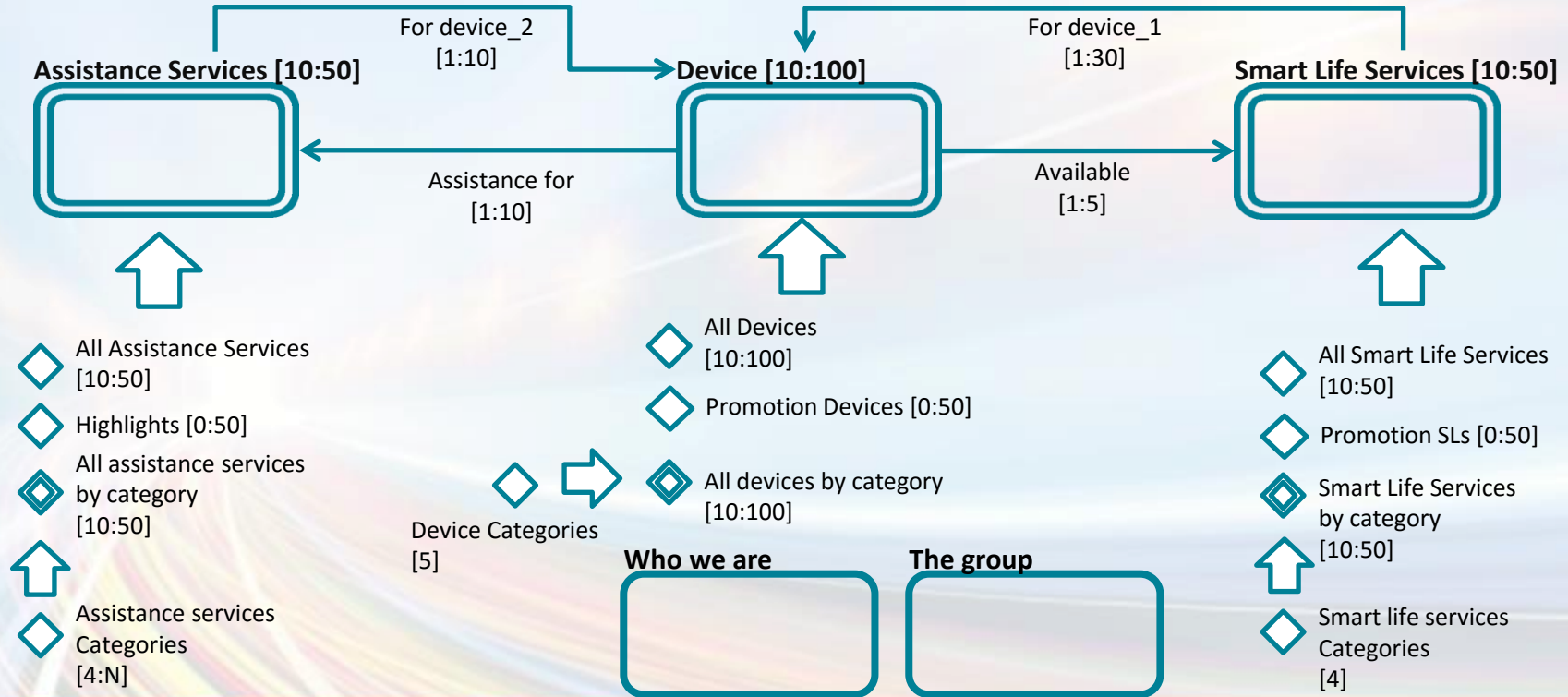
In these slides we are going to show you the graphical representation of the C-IDM schema, the L-IDM schema and the P-IDM schema and a brief textual comment on those schemas.

As prototyping tools we used: Balsamiq, GIMP, Power Point

DAMIANO ENERLI	LUIGI GIULIANI	EDOARDO LONGO
838120	836567	841677
damiano.enerli@mail.polimi.it	luigi2.giuliani@mail.polimi.it	edoardo.longo@mail.polimi.it



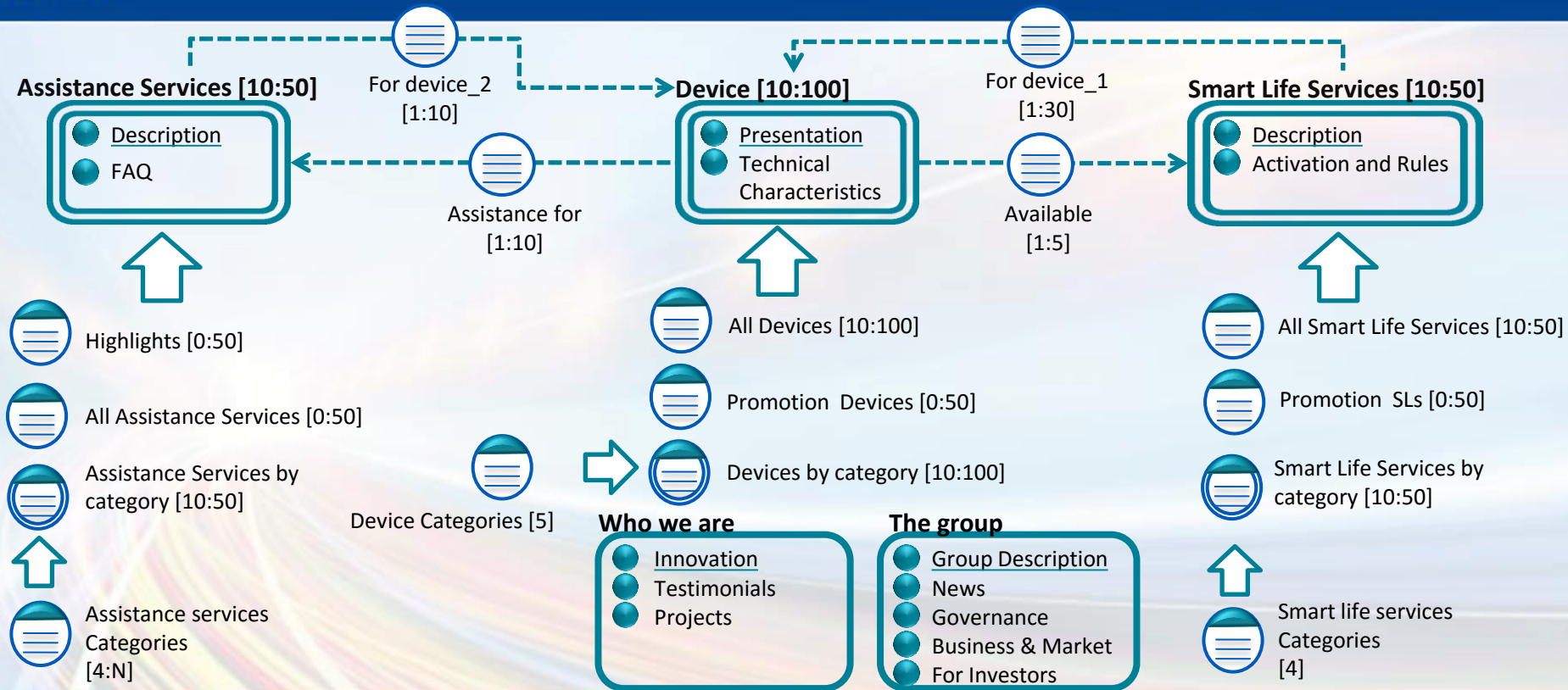
C - IDM



- This schema represents the conceptual design of the website, describing the general content of the dialogue between the user and the website.
- It has been derived from the project specification and it represents the fundamental aspects of this dialogue in terms of groups, topics and relations between them, following the C-IDM notation.
- In particular, we have also decided to represent the cardinality of the multiple kind of topics between “[“ and “]”, in order to make a clearer representation of the minimum and maximum number of elements expected for each topic.
- We have decided to split the group «Promotions» into two different groups, namely «Promotion Devices» and «promotion SLs» in order to avoid confusion and to distinguish between devices and smart services in promotion in a clearer way.

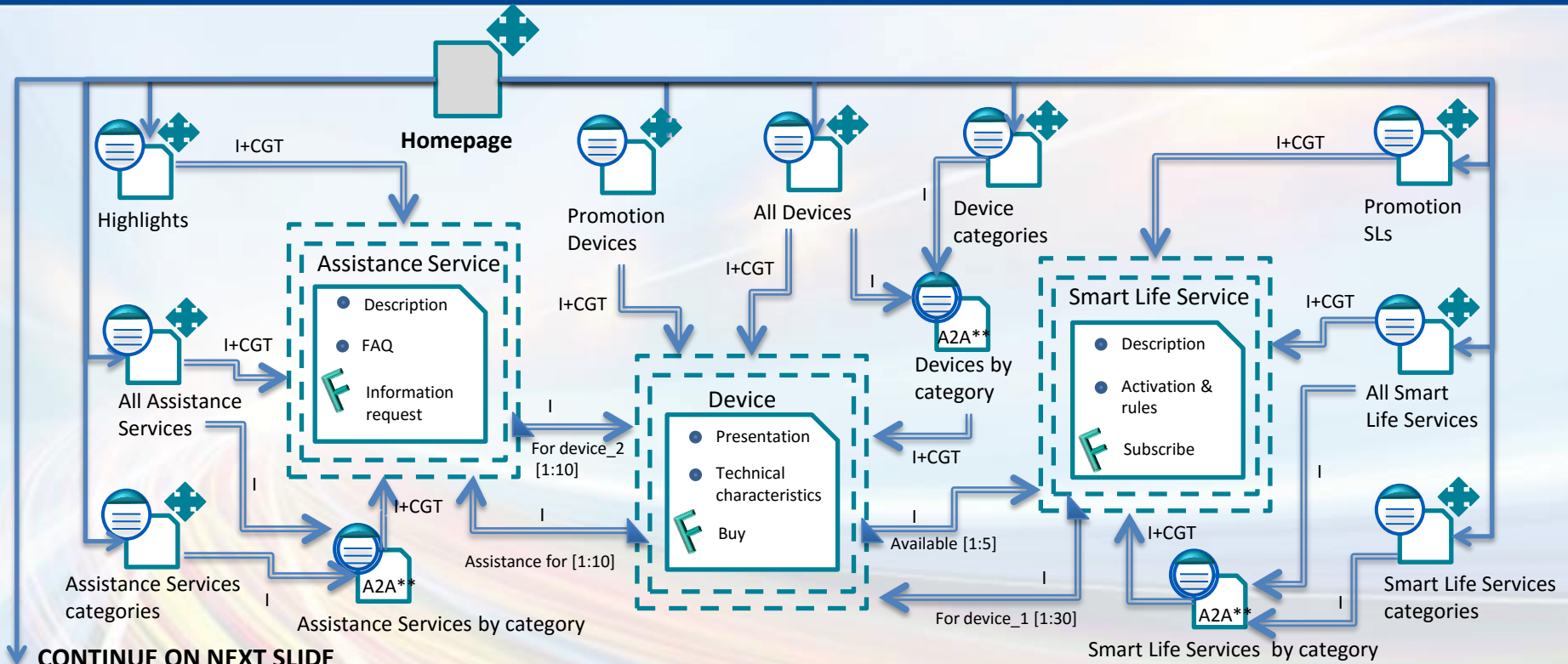


L - IDM



- This schema represents how the information is structured inside the website in a more fine-grained way compared to the C-IDM schema.
- In particular, it describes how the topics are translated into dialogue acts, according to the project specification and the standard notation of the language.
- As the C-IDM Schema, we have maintained the split of the group «Promotions», which was intended to contain both device and Smart Life services in the design document specification, into two different groups, namely «Promotion Devices» and «promotion SLs»

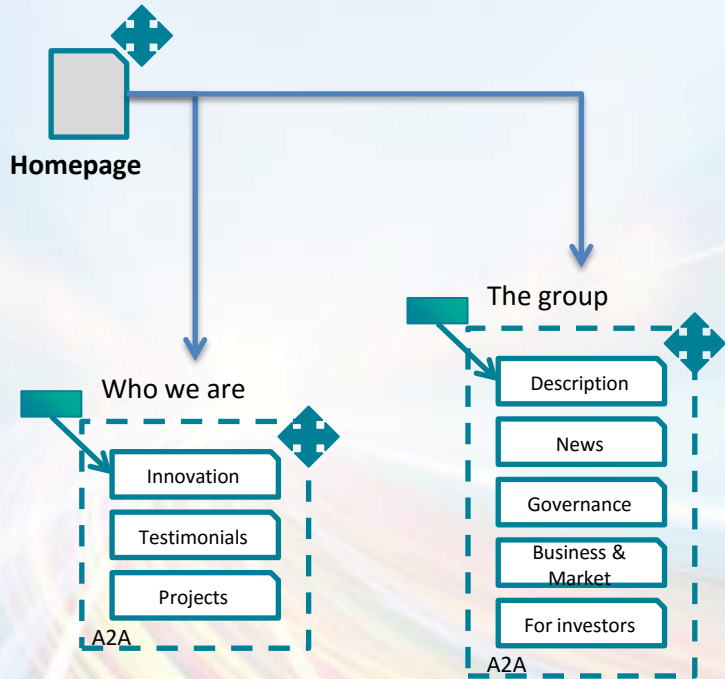
P - IDM




CONTINUE ON NEXT SLIDE



P - IDM (... continue)



- The P-IDM diagram describes the page design, highlighting the elements communicated to the user in a single dialogue act. It has been made starting from the L-IDM schema.
- The main goal of this diagram is to define the «navigation architecture» (in terms of pages and links), the overall «map» of the application and the information and navigation structure of each page. In this phase the real graphic implementation of the website has not been considered and modeled.


NOTE: For the sake of clarity, the simbol  is omitted when the topic includes one page only.

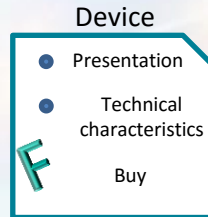
Design decisions

- We have performed a 1-1 mapping from the set of Dialogue Acts of the topics «the group» and «who we are» to the set of pages, accordingly to the standard process of creating P-IDM from L-IDM.
- Instead, we have chosen to merge all the Dialogue Acts of the kind of topic «Device» into only one page. The same approach has been taken also for «Smart Life Service» and «Assistance Service».
- All the Transition Acts have been embedded in the related Topic Pages.
- We have decided to use a mixed navigation pattern combining both an index approach and a circular guided tour approach from the groups “All Device”, “Promotion Devices” and “Devices by category”. In this way an user can easily reach the device chosen using the index access and can explore them one by one with a circular guided approach. This design decision has been adopted also for Smart life services and assistant services.

NOTE: The circular guided tour allows the user to navigate only inside the devices of the same category, independently from the introductory page where the user comes from. This is valid also for Smart Life services and Assistance services.

Special notation

- The official notation has not a primitive to represent a data entry element, so we have chosen to add a new symbol  to represent all the forms the user can fill.



Example

- We have also decided to extend the official notation by using the symbol A2A** to highlight the «All to All» navigation pattern that we have decided to adopt between the parametrized introductory pages of the multiple group of topics «Devices by category». The same symbol has been adopted to the Smart Life services and the Assistance services with the same meaning.

NOTES

- We have decided to realize the mock-up with the prototyping tool Balsamiq.
- The mock-up is in Italian, because we have imagined that it would have been used mainly by Italian users.
- It is possible to recognize the active links that can be clicked because they are surrounded by a red rectangle.
- Some of the contents of the website are not completely trustworthy, they are displayed only to give a realistic view of how the look and feel of the final website will be.
- The Dialogue Act “Presentation” of the device, differently from the other dialogue acts of the same kind of topic, has been divided in two sub-units: the first one contains a picture of the device, plus a brief summary of its features, while the second one contains a more detailed description of the device itself. The same structure is used also in Smart Life Services.
- The index bar in the upper part of all the pages has been expanded only in the homepage, but the same links will be available in all the other pages in the final website. On the other hand, we have let the names appearing on the bar to be clickable in every page, in order to allow a quicker and easier exploration of the mockup. This names would not be clickable in our final implementation.