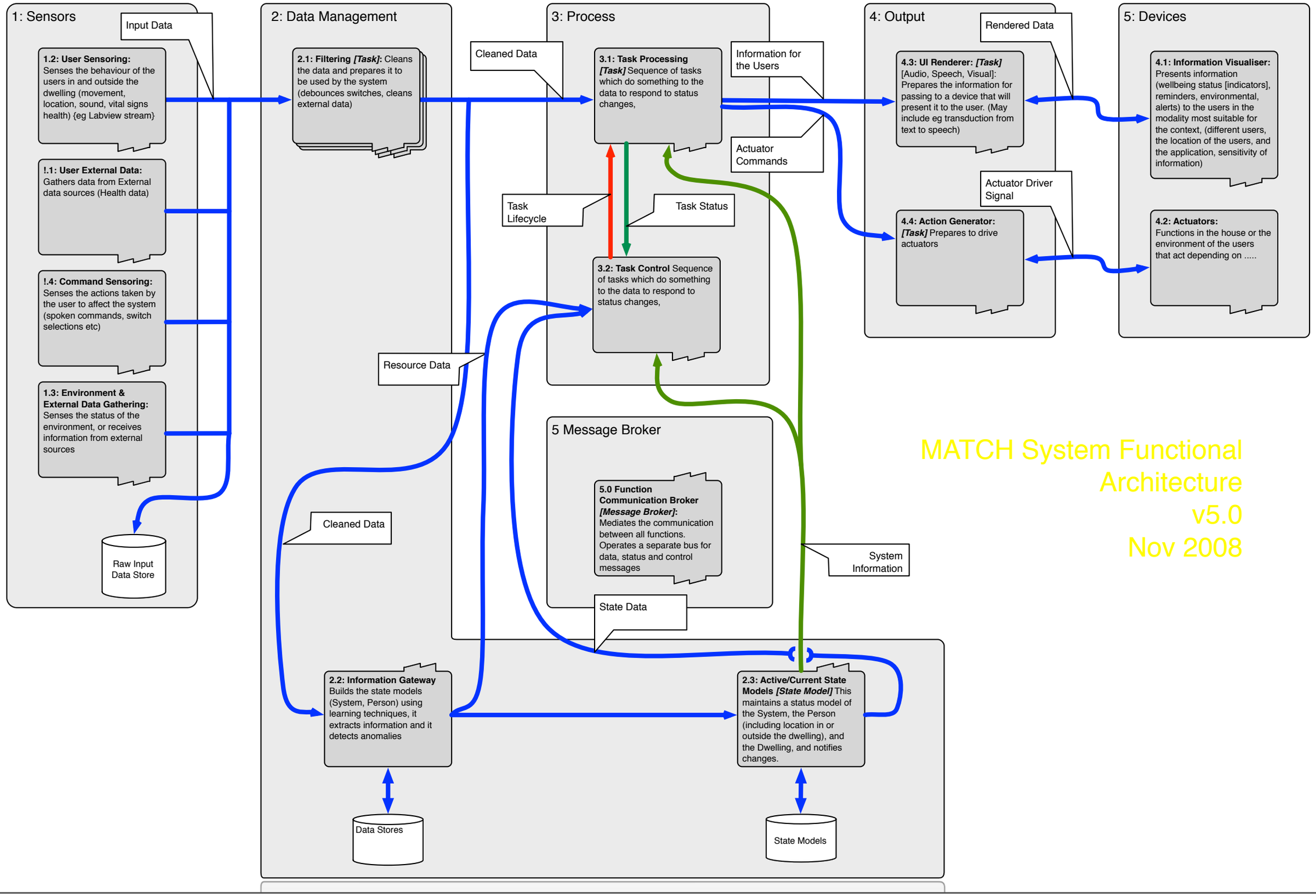
# Telecare Technology ...

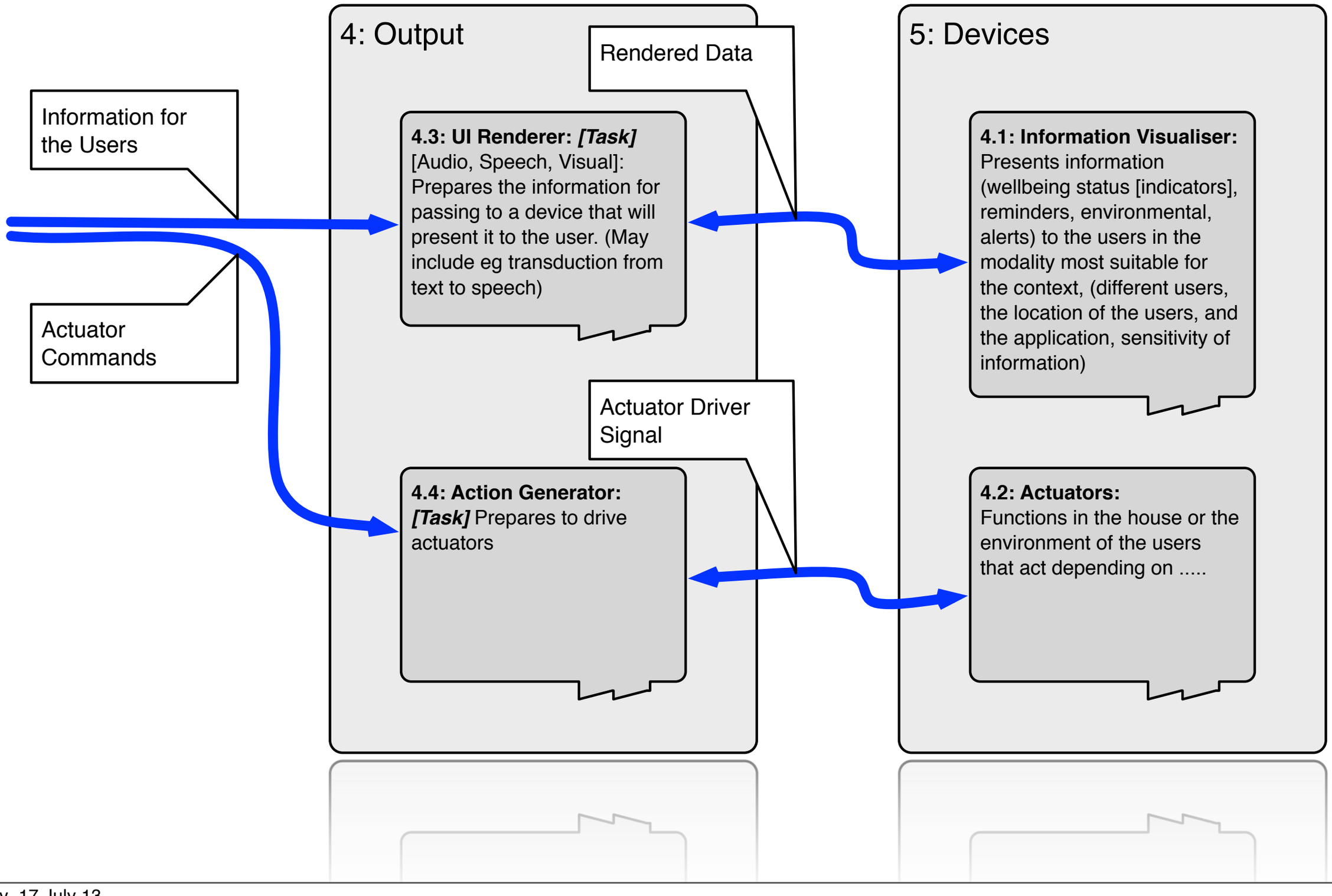
## Functionality and User Experience

# Functional Components of a Telecare System




MATCH System Functional Architecture
v5.0
Nov 2008

# What Can the System Do with Data?



# How should technology Talk to a User

- Text
  - Language, Technical Language, Descriptions
- Speech
- Graphics
  - Graphical representations of objects or data
- Pictures
  - Pictures of real objects
- Metaphors
  - Metaphors for real objects or the meaning of data

# What do Users Understand?

- Technical Language
  - How deeply technical should the language be?
- Metaphors
  - Can we assume that people understand a metaphor?

# What "Displays" could be used in Telecare

- Home Displays
  - Computer
  - TV
  - Digital Picture Frames
  - Speaking "Companion"
- Mobile Displays
  - Phone/Smart Phone
  - Tablet
  - Laptop

# Smarthome: Definition

The terms smart homes, intelligent homes, home networking have been used for more than a decade to introduce the concept of networking devices and equipment in the house. According to the Smart Homes Association the best definition of smart home technology is: the integration of technology and services through home networking for a better quality of living.

Other terms that are related to smart homes are aware house, changeable home, attentive house and ambient intelligence. These terms are used to emphasise that the home environment should be able to respond and modify itself continuously according to its diverse residents and their changeable needs

# Smarthome: Scope

- Lighting
- Remote Control
- Security: Surveilance, Door Locks and Access Control

- Environmental Control: Heating & Air Conditioning
- Audio/Visual Systems
- Pet & Pest Control
- Intercoms & Communications
- Energy Savers & Green Technologies
- Networking

# Practical Exercise: Communicating Change in your Scenario

- How does the client want to know about themselves?
    - How will data and information be communicated to the client home dweller?
- How do carers need to know informations/data in order to be able to care?
    - How will data and information be communicated to the carers?
- How could the home be smartened to meet the needs of the client?