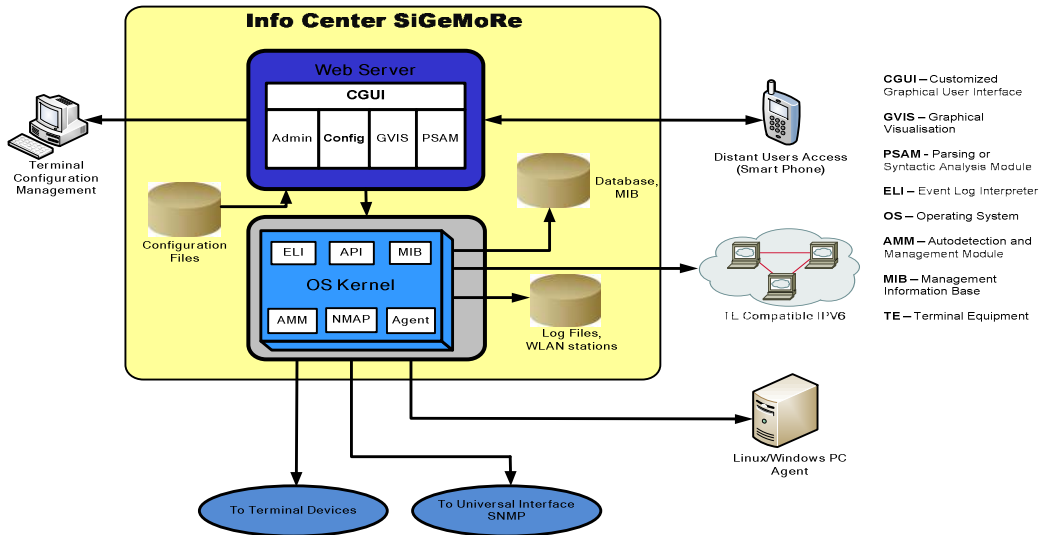
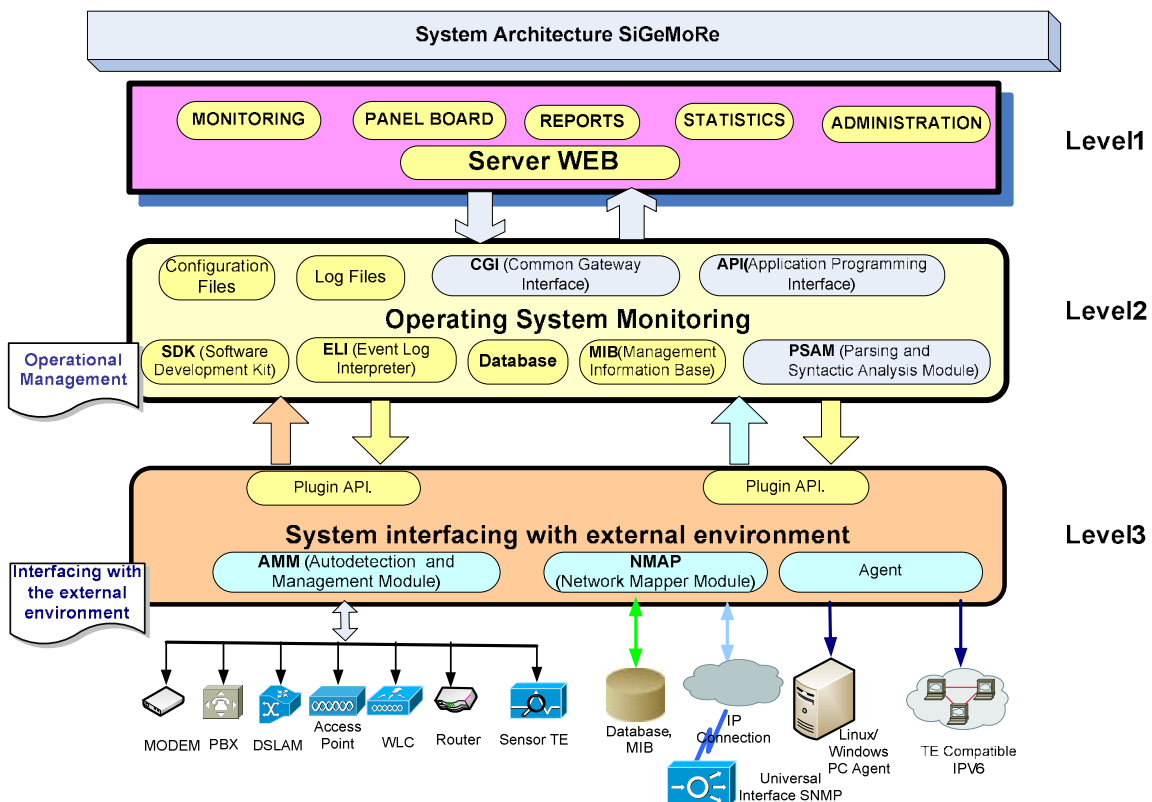


Through the NMSDMON project, Beia Consult wants to encourage telecommunication operators to continue investments in expanding networks and in innovation, in such way that customers will be able to benefit from services at better quality and lower costs.

In the first phase a market survey of existing solutions in the field of the monitoring networks has been carried out, both from the software as well as hardware point of view. It was followed by the collection and analysis of data to determine the requirements of potential customers and solutions necessary for the development of such a system. Also, the phase aimed the conceptual development of the system, the development of specifications and basic concepts for the module Info Center SiGeMoRe.

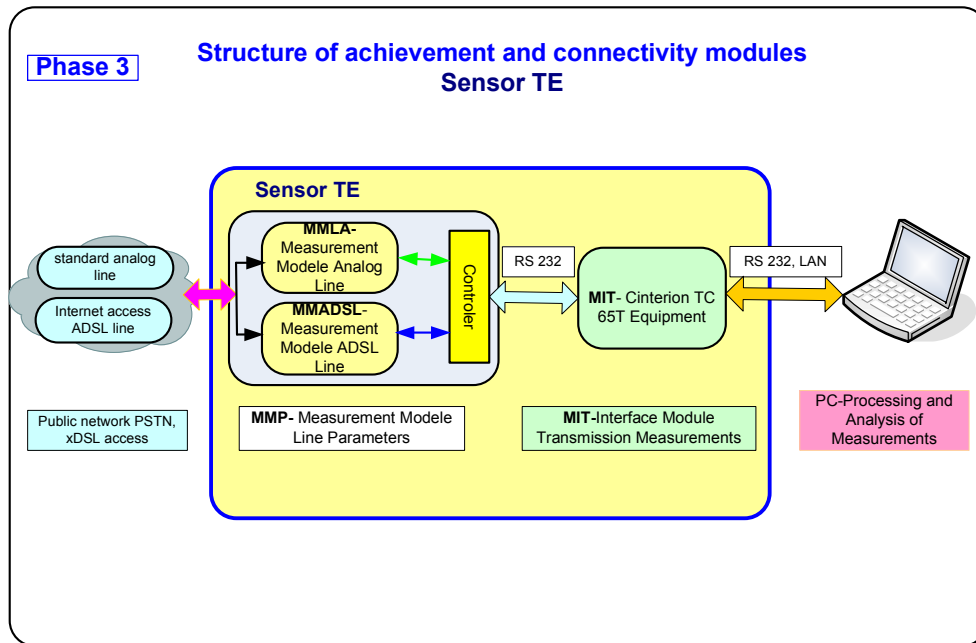


In the second phase, the project NMSDMON is addressing the development of the architecture and software development of the monitoring system SiGeMoRe. Software Development platform involves the drawing up of the network architecture, as well as the interfaces, the building of the database, the integration of the modules and testing software as an actual experimental model of the platform.



In the third phase, we defined the design specifications, prototyping and experimentation of the equipment called "Sensor TE" for measuring the parameters specific for voice and data channels (Internet access via xDSL technology).

Sensor TE (Terminal Equipment) will extract specific information measuring the parameters for analogue and digital lines and will transfer them via different standardized protocols to the SiGeMoRe Platform (integration will be completed in phase IV).



In the last phase a Network Management and Monitoring system (SiGeMoRe) was developed to perform data acquisition from various equipment and sensors, management of network resources, workforce management, configuration and management of network elements.

SiGeMoRe system is innovative by the fact that it develops: a centralized system for management and monitoring of fixed telecommunication networks through various technologies; data and processing methodologies; reliable information in real-time; data visualization interfaces collected to facilitate management decisions.

In the process of developing the SiGeMoRe system, innovative and original concepts for achieving the final solution were highlighted in a patent filing and the originality of research and innovation activities was summarized in a technical documentation that contains specific sections of a patent application.

