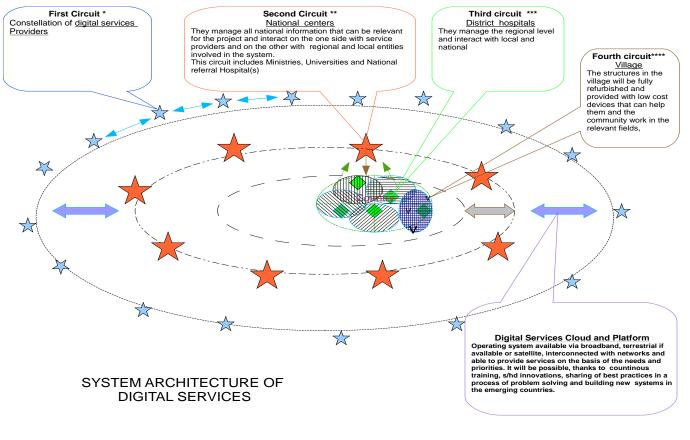# Name: OCCAM Digital Services Platform

Description of the Methodology and Strategies Used

OCCAM is jointly creating, with its partners, the Global Digital Services Platform that is able to sustain the nation building process with the new paradigms. This Global Platform enables the direct transfer and interaction of competencies between international development partners and the countries in special needs. We are focusing on science, technology and innovation (STI) to make these interactions and exchanges fast and less expensive through the collaborating layers of service providers, national centers, district hospitals, and villages shown in Figure 1. These layers of collaborating entities are graphically represented as various circles of the Global Digital Services Platform architecture.

Figure 1: Architectural View of the Global Digital Services Platform

This flexible architecture elaborated in the Infopoverty World Conference 2012 seems very effective and affordable for all, as the Platform of Digital Services can become a useful tool for all, including those who are in need (the users) and those who can provide solutions (the service providers). Benefits are also for specialized agencies of the UN System, international Foundations and centers of excellence, which will be able to transfer, thanks to new sensors and robotic devices, to the ones in need their services in health, education, food security, micro-finance, governance, exploiting the "low cost-smart technology" model launched by the Conference in 2008.

Implementation methodologies Used

The OCCAM DSP supports a very large number of methodologies and innovations through its open partnership program displayed in Figure 2. As shown, we support a very wide range of e-services in e-health, e-learning,

food safety, job creation, and disabilities. The providers and consumers of these e-services are enabled through our Global Platform.
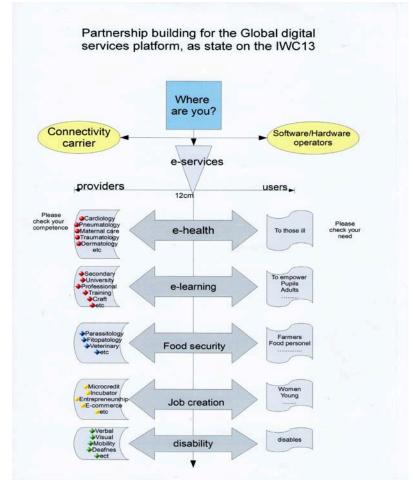

Figure 2: The Partnership and Range of eServices supported by the Global Digital Services Platform

What is Innovative About Our Approach

The main innovative idea is the flexible and all inclusive architecture at a global level. Instead of focusing on one specific technology (e.g., telecommunications) or domain (e.g., education), the all inclusive and flexible architectural vision of OCCAM concentrates on the needs of the villages (the center of the architecture). For example, a village needs help in health, education, food safety and economic development – not only in one area. We have also
launched new initiatives (e.g., the Digital Innovation for Development initiative that is focusing on digital innovation for the under served sectors) and have also included an innovative computer aided planning, architecture and controls environment that generates within an hour strategic plans, RFPs and project management guidelines for more than 100 e-services in health, education, public safety and public welfare for more than 150 developing countries.

Evidence of Results and Impact

In the last 13 years, OCCAM open partnership vision has served very effectively to promote discussion (we just finished the 13th Infopoverty World Conference) and make tangible difference in developing countries. Partners and participants have included UN organizations, public and private institutions, academic institutions, large corporations, NGOs and other civil society entities who are committed to ICT for sustainable development.

Costs associated with the development and implementation of the activity; and

Following the concept of low-cost and smart technologies, the platform is implemented by the partner associates. These associates are specialists in different aspects of the realization and are committed to very low costs in the interest of nation building (for example: a general tele-medicine assistance is offered at about 10€a year per inhabitant).