

**Karma2 Project**  
Knowledge and Augmented reality Management assistance

Restricted access (only for patients)  
**Fabio Perossini**

## The Virtual Community

The KARMA2 project focuses on the creation and development of an organizational model to efficiently and adequately manage home-care activities and the delivery of health care, services and community supports in specific patient populations.

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## High Tech to be in Touch

KARMA2 aims to establish an easily accessible network that enables families, patient associations, and providers of health, social and psychological care delivery to have adequate and updated information on the conditions of patients undergoing treatment and/or receiving home care.

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The screenshot shows the Karma2 Project web interface. The header is orange with the Karma2 logo and the text 'Karma2 Project' and 'Knowledge and Augmented reality Management assistance'. The main content area has a white background with the title 'Environment Analysis' in large blue font. Below the title is a list of bullet points. On the left side, there is a vertical orange bar with the name 'Fabio Perossini' and a 'Restricted access' button. At the bottom, there is a row of logos for partners and sponsors.

## Environment Analysis

- Homecare is not always an option for families with children with disabilities. Many families can find themselves alone to face the problems of daily management/ activities.
- Loneliness and feelings of anxiety for the future are possible results: many parents and families need support for emotional, practical, logistic and economic aspects.
- Mothers, in particular, feel a need to have a definite reference point available, both in emergency situations and in daily moments, to receive:
  - medical indications,
  - suggestions for the emotional management of family relations,
  - moral and practical support, etc.
- Mothers may feel they do not have enough time for emotional and practical necessities.

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The screenshot shows the Karma2 Project web interface. The header is orange with the Karma2 logo and the text 'Karma2 Project' and 'Knowledge and Augmented reality Management assistance'. The main content area has a white background with the title 'Needs' in large blue font. Below the title is a list of bullet points. On the left side, there is a vertical orange bar with the name 'Fabio Perossini' and a 'Restricted access' button. At the bottom, there is a row of logos for partners and sponsors.

## Needs

- Therefore, in order to achieve the objective of giving an adequate support from a clinical, logistic and social point of view, there must be a way to:
  - manage assistance activities;
  - have easy and effective communication among all persons involved;
  - deliver the appropriate information when needed.

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## Our Answer

Creation, implementation and assessment of a **new organisational model** applied to the delivery of **at-home health care services** using information technologies not currently used in this sector. This is the **main outcome** of the KARMA2 project.

Partners:                                                                                                                                                                                                                                                                                                                                                       

## Citizens needs are growing

- Being in touch 24 hrs/day, 365 days/yr with a wide range of services offered:
  - Administrative processes support (law 104 certification)
  - School support
  - Home care
  - Therapy / Nursing

Partners: [Logos of various partners]

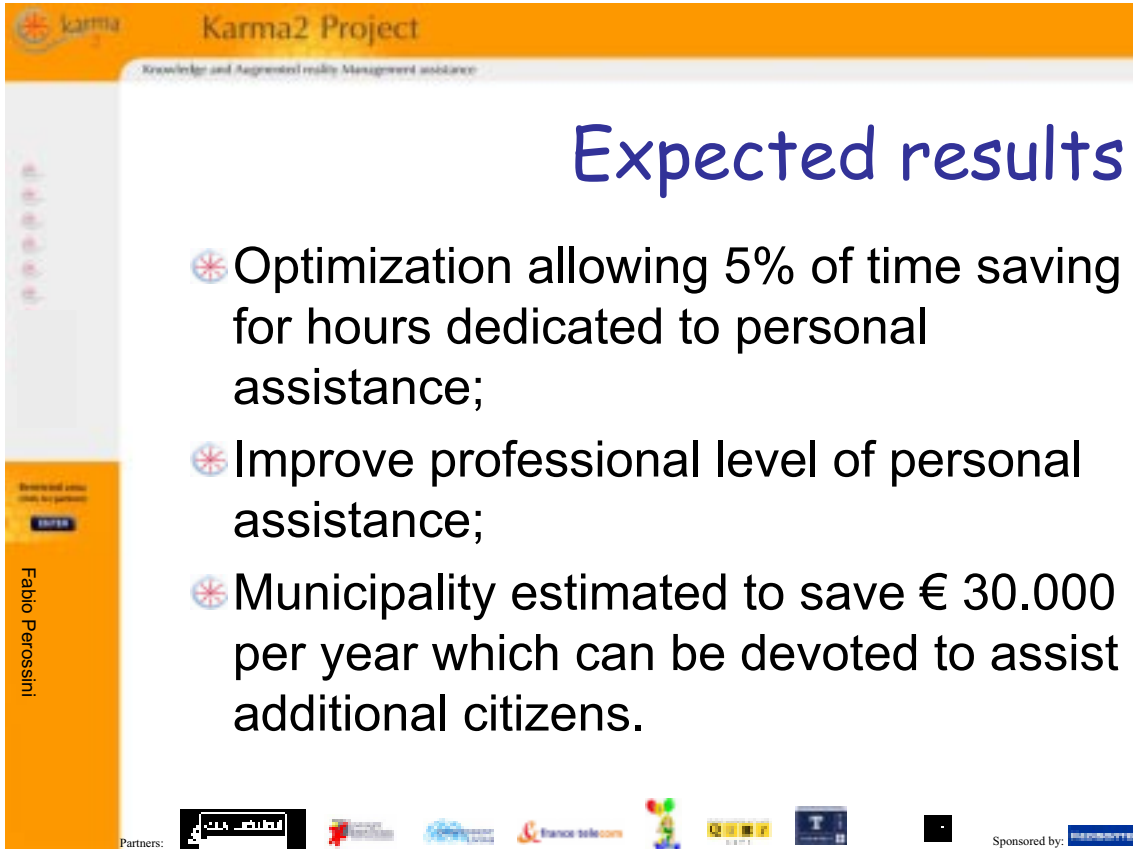
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## @Casa - no longer alone

- Being available to disadvantaged citizens while they are @home to give them psychological support when needed;
- Community services centered around the family;
- Community services harmonized and coordinated.

Partners: [Logos of various partners]

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The screenshot shows the Karma2 Project interface. At the top, there is an orange header with the 'karma' logo and the text 'Karma2 Project' and 'Knowledge and Augmented reality Management assistance'. Below the header, on the left, is a vertical sidebar with a list of icons and the name 'Fabio Perossini'. The main content area has a title 'Expected results' in blue. Below the title, there are three bullet points, each preceded by a red star icon. At the bottom of the interface, there is a row of logos for partners and sponsors.

## Expected results

- Optimization allowing 5% of time saving for hours dedicated to personal assistance;
- Improve professional level of personal assistance;
- Municipality estimated to save € 30.000 per year which can be devoted to assist additional citizens.

Partners:        

Sponsored by: 



## Trying to minimise clinical-diagnostic gaps amongst Italian hospitals world-wide: a cooperation project (I.P.O.C.M.)

*Children and the Mediterranean  
International Conference*

**Genoa – 7-9 January 2004**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Need

**We moved from the observation that  
some Italian hospitals abroad feel  
frustrated in their daily diagnostic  
activity.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## General aim

**In order to help them satisfy this need, the Italian Ministry of health proposed them to set the aim of inducing a sensible quality improvement in their care deliveries.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## How to do it?

**The stemming project considers five objectives, the first of them of structural nature.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 1

**First objective is to connect 30 Italian hospitals world-wide with 31 health reference centres in Italy, with high specialization.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 1- how

**Connection is via the World Wide Web, using ADSL and SAT in those centres who need it.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 1- what

**The created network allows for the asynchronous teleconsultation service through an e-mail package with text and image attachments.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



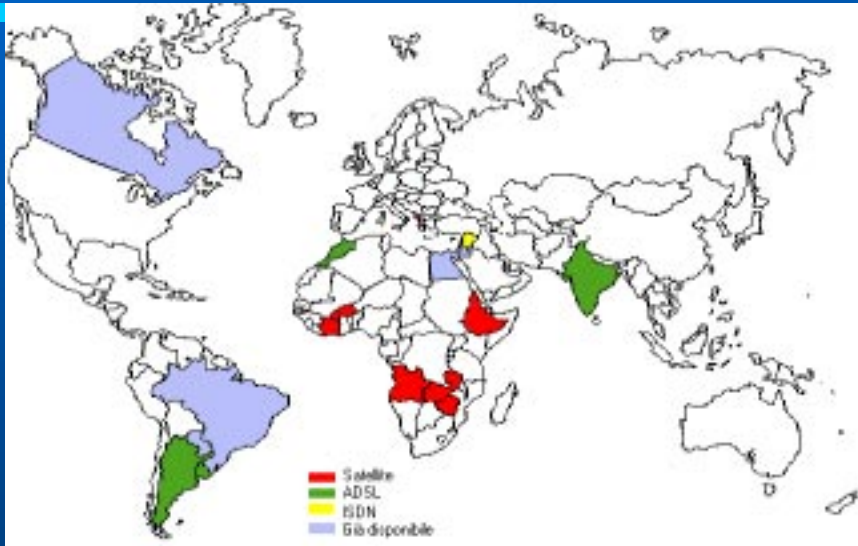
## Project objective 1- when

**The Italian Ministry of Health is going to support Italian hospitals abroad to equip themselves with Internet connection and dedicated workstations.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 1- net solution



Source: Feasibility Study of IPOCM net – May 30 2003

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 2

**Second project objective is to reduce clinical-diagnostic and organisational criticisms existing into the Italian hospitals**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 2 - mean

**Asynchronous teleconsultation service has been identified as principal tool for filling in this gap. It is the object of today presentation.**

**There is a strong awareness not to overdimension project means, given on one hand financial constraints and on the other hand the service nature, out of emergency theatre.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 2 - specificity

**Moreover, geographical distribution of Italian hospitals, most of them many time-zones far away, urges for the use of asynchronous teleconsultation, also considering the large diffusion of e-mail amongst doctors.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 3

**Third objective is to promote training for health personnel working into the Italian hospitals abroad.**

Gianfranco Costanzo, MD  
Italian Ministry of Health



## Project objective 3 - how

**E-learning is the tool chosen to accomplish it. Currently we are studying contents and packages to be produced and shared, on the basis of compliance with target population, centre vocation and individual expectations.**

Gianfranco Costanzo, MD  
Italian Ministry of Health

