



# Global Junior Challenge

Projects to share the future

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## Project Location

**Country:** Peru

**City:** LIMA

## Organization

**Organization Name:** UPCH IMT AVH

**Organization Type:** University

**Specify:** Awards such as GJC etc

## Website

<http://imtavh.cayetano.edu.pe/en/research/groups/telesalud-research-group.html>

## Privacy Law

Consenso al trattamento dei dati personali

**Do you authorize the FMD to the treatment of your personal data?:** I do authorize the FMD to the

## Project Type

Education up to 29 years

## Project Description

**Description Frase (max. 500 characters):**

Disaster response to mass-casualty incidents represents one of the greatest challenges to a community's emergency response system. Rescuers, field medical personnel, and regional emergency departments and hospitals must often provide care to large numbers of casualties in a setting of limited resources, inadequate communication, misinformation, damaged infrastructure, and great personal risk.

**Project Summary (max. 2000 characters):**

Last year, Peru and other countries around the Pacific Ocean have been affected by the phenomenon known as El Nino [1], a rise in sea temperatures that increases evaporation and brings about heavy rains. In 1998 floods in Peru were also linked to El Nino, which was particularly strong that year.

Telehealth in Peru is becoming a reality, as in other countries in the region and the world, favoring access to health services at all levels of care, providing technological benefits, allowing a coordinated and immediate response of care, establishing a quick and accurate diagnosis in case of an emergency.

That is why, from MINSA (Ministry of Health of Peru), under the direction of the General Directorate of Telehealth has begun with telecapacitations at the national level. Focusing efforts on training health personnel in the regions affected by the Coastal Child.

In order to confront health emergencies due to the rains and floods in our country, the Health, Referral and Emergency Department of the Ministry of Health has been conducting telecapacitations nationwide.

The use of educational technology to make a difference provides integrity correctly in the hospitals using the corresponding application in different areas. Specialists are working to train health personnel in areas affected by disasters.

Tele-trainings for health personnel at the national level will continue and priority specialties are: infectious diseases, mental health, chronic diseases, telehealth and electronic clinical records.

Primary care is the doorway into the Peruvian public health system. On that level of care, personal health have a main role. As such, they can benefit from telehealth initiatives that bring them closer to specialists of other levels of care. We created with Ministry of Health in all in Peru a novel system (telecapacitations) using information and communication technology (ICT) to respond to a sudden shortage, and tested the system to determine whether it would compensate for a shortage after “Niño Costero”.

After introducing the system to train health personnel, the probability of learning in emergencies when there are no specialists increased. Therefore, the system of telecapacitations is helping considerably and also to create the telehealth units in their hospitals, health centers, medical posts among others.

## **How long has your project been running?**

2016-01-01 00:00:00

## Objectives and Innovative Aspects

Telecapacitations is the system necessary for the personal of health without the specialist in disasters zone. After introducing the system, probability of personal of health increased. This the system may contribute to improvement in the ability to respond to sudden excessive patient needs in multiple emergencie.

## Results

**Describe the results achieved by your project How do you measure (parameters) these.** Each week we use the system. Telehealth is used in the emergency room and very often for messaging.

**How many users interact with your project monthly and what are the preferred forms of interaction? (max. 500 characters):** In particular, the greatest interest is in the response to the emergency.

ICT to pro

## Sustainability

**What is the full duration of your project (from beginning to end)?:** From 1 to 3 years

**What is the approximate total budget for your project (in Euro)?:** Less than 10.000 Euro

**What is the source of funding for your project?:** Other

**Is your project economically self sufficient now?:** No

## Transferability

**Has your project been replicated/adapted elsewhere?:** Yes

**Where? By whom?:** PERU AND MINISTRY OF HEALTH



**What lessons can others learn from your project? (max. 1500 characters):**








These technologies have helped to create more provider safety, field income and regional emergency department.

**Are you available to help others to start or work on similar projects?:** Yes

## Background Information

**Future plans and wish list (max. 750 characters):** On september we have the Hackaton in Health with the aim to create more applications to help thousands persons. <https://www.youtube.com/watch?v=y3T1bK8zwyA>

**Attachments:**  [gjcengform\\_2017-2\\_peru.doc](#) [2]  
 [veyl6757.mp4](#) [3]  
 [etss2692.mp4](#) [4]

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 [17458253\\_10154619974928720\\_4293925627602212143\\_n.jpg](#) [7]  
 [4.jpg](#) [8]  
 [21151334\\_10155093413868720\\_8359103316970476775\\_n.jpg](#) [9]  
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[medical care](#) [13] [ICT](#) [14] [inclusion](#) [15] [accessibility](#) [16]

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**Source URL:** <https://www.gjc.it/en/progetti/emergency-medical-care-during-disasters-using-information-technology>

#### Links

- [1] <http://www.bbc.co.uk/weather/features/35802609>
- [2] [https://www.gjc.it/sites/default/files/gjcengform\\_2017-2\\_peru.doc](https://www.gjc.it/sites/default/files/gjcengform_2017-2_peru.doc)
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- [13] <https://www.gjc.it/en/keywords-separate-commas/medical-care>
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- [16] <https://www.gjc.it/en/keywords-separate-commas/accessibility>