Youth employment and innovation in health and care sector

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Rate of telemedicine main actors by category

How many of them really need to be located in the mountain?

- Fabricant de matériel informatique: 36%
- SSII: 15%
- Fabricant de dispositif médical: 13%
- Editeur de logiciels: 10%
- Cabinet de conseil: 2%
- Assureur: 8%
- Fournisseur de services de télémédecine: 8%
- Laboratoire pharmaceutique: 3%
- Opérateur télécom: 5%

Source OPIIEC (Joint Observatory on IT engineering, studies & consulting) 2011
E-Health in European mountain areas: The INTERREG perspective...

- Focus on:
  - Accessibility to / maintenance or creation of (new) services in remote areas (cohesion & attractiveness)
  - Development of innovative solutions & products (innovation & competitiveness)

- Context is:
  - Youth employment: not a targeted goal in most e-Health / telemedicine projects (cross-cutting issue)!
  - Information Technology undermine the importance of job location!
E-Health in the Pyrenees: focus on two examples of territorial cooperation...

- RESATER (Health Networks and Telemedicine in Rural Areas): Development of telemedicine solutions in mountainous/rural areas (IR IV SUDOE)

- STIPP: Crossborder Information System for Risk Prevention in the Pyrenees, including the development of portable telemedicine systems (« mochila de telemedicina: 900g) (IR IV POCTEFA)
9 partners: Institute for Space Medecine and Physiology (lead partner), Aragon Institute of Technology, METEO France & AEMET, ENIT & EUPLA (engineering schools), Healthcare Cooperation Group of Midi-Pyrénées / ALUD (Health Department of Aragon)

Objective: provide regular information on risk (weather, snow, landslides, forest fires, earthquakes…) to prevent and treat possible casualties (accidents, health problems…)

1,7 M€ - 36 months (2009-2012)

Bottom-up approach: user-driven project (local authorities and health professionals) aimed at satisfying the needs of health professionals in European remote areas.

Objective: identify and find new solutions to maintain equal access to quality, appealing and cost-efficient healthcare services in rural areas (mainly telemonitoring: nursing homes and home care)

6 partners from 3 countries:
• France: Pays Couserans (LP), Pays de Figeac,
• Spain: Federación Asturianas de Concejos, Fundación INTRAS, Fundación para el Desarrollo Social,
• Portugal: Municipio de Silves
The RESATER project

- Transnational state-of-the-art + e-Health pilot projects + common method and ICT platform + exchanges = good e-Health cooperation project…

- Local experimentations: the case of Aragon:
  - **108 jobs maintained or created** (funded) in the Barbastro’s healthcare area - innovation unit in 4 years, of which… 8 young people!
  - **Next step: generalisation to the whole healthcare area, and then to all Aragon**: possible new jobs created around 2015…
E-Health: Sustainable but long process of job creation

- Direct:
  - Service to individuals / nursing homes (geriatric care)
  - Technical maintenance (ICT, Internet…)
- Indirect:
  - Maintaining services maintains people and jobs.
  - Better Broad Band Internet or satellite connection
- When:
  - **For sustainable jobs on a large scale : From 5 to 10 years**, depending on the evolution of local/European policies, technologies, security & safety…
- Conditions and barriers:
  - **From pilot projects to general use**: financial, legal, psychological barriers
  - **European coordination/harmonisation process is strongly needed** in this area, particularly considering mountain areas (often transnational)
The STIPP project

Plataforma de prevención y de asistencia

- Acceso a las informaciones de riesgos en tiempo real (PDA-GSM-GPS y fotos)
- Datos ambientales (meteorológicos y nivológicos)
- Recopilación y consulta de datos sobre Internet
- Llamada de emergencia geolocalizada por satélite (Phone + GPS)
- Tele-asistencia por equipamientos médicos en refugios (Mochila de Telemedicina)

Profesionales de la montaña y público en general

- Usuarios
- Asistencia médica
- Profesionales de la salud y de socorros en montaña

Contribuidor (Profesionales de la montaña) y usuarios (todos)
Risk management: What potential new labour market for young people?

- **Direct:**
  - all « mountain jobs » (tourism, sport & leisure, pastoralism, refuge keepers…) including safety dimension

- **Indirect:**
  - Touristic development because of a better prevention and a higher volume (overcrowding?) of mountain activities

- **When:**
  - **first real opportunities (in the Pyrenees) now** (3 jobs created in Jaca to manage and maintain the Pyrenean Centre for Risk Prevention): sustainability at a local level expected around 2020 (feasibility study in progress on this topic: possibly several hundreds of job creation in the touristic sector)

- **Conditions and barriers:**
  - **New trainings to organise to adapt jobs to safety issues**
  - Long process including changes in risk management (responsabilities…)
  - **Efficient economic patterns still have to be defined!**
The most relevant job profiles to be expected IN the mountain

- Service to individuals: healthcare, social care
- Technical maintenance (computers, medical device, Internet / satellite connectivity)
- All medical and social job profiles, as soon as population stays in the mountains …
- **Safe tourism : quality system adapted to risk prevention mountain activities: still to create…**

Key-messages:
- Sustainability of projects (mainstream level)
- Adaptability of actors (good for young people)
- Proximity of job market (integrated policies)
Thank you for your attention