

SOME REFLEXIONS FOR A 2025 e – HEALTH STRATEGY IMPLEMENTATION .

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THE WORLD IS CHANGING AND THE CHANGES WILL CONTINUE...!

- Ressources: energy, water, alimentation...., **NUTRITION**
- Climate change, **TRANSMISSIBLE DISEASES**
- Aging People , **CHRONICLE DISEASES (DIABETIS...)**
- New social practices: tele - travail, domotics ... **SEDENTARITY**
- Population migrations: urban migrations, « climatological », migrations « transient » migrations (tourisme, professionnall, political ...) **TRANSMISSIBLE PATHOLOGIES**
- New risks: extreme meteorological events, bio- terrorism, cyber-terrorism , new pathologies, **NEW MEDICAL EMERGENCIES**
- Less and less money ? **NECESSITY TO HAVE PRAGMATIC APPROACHES**
- Scientific and technological evolutions (TIC, nanotechnologies, sensors) **NEW SERVICES**

ABSOLUTE NECESSITY TO INCLUDE THESE CHANGES IN OUR REFLEXIONS

AND THE SATELLITES IN THIS CONTEXT ?

IDENTIFICATION OF THE MAIN SOCIETY AREAS FOR 2025

- **Domotics and services et services: TIC...**
- **Education, formation,**
- **Transportation, urbanisation,**
- **Ressources, nutrition**
- **Health:**
 - **new localisation of the patients,**
 - **climat change impact,**
- **Employment,**
- **New risks: extreme events, bio - terrorism, cyber - terrorism**

ABSOLUTE NECESSITY TO INOVATE IN THE FIELD OF THE HEALTH! FOR THAT IS'T NECESARY TO :

- Want to **Change**,
- User **Approach +++**.
- Know **Integration**,
- Have **Revolutionnary Ideas**,
- Be **Responsable et Authentic**

TELEMEDICINE: NEW TECHNOLOGIES WILL MORE AND MORE INVEST THE HEALTH SECTOR

■ Technologies under development

- robotic support,
- tele-surgery,
- medical imagery

■ The promising uses

- consult and interfere from a far
- personalized medical file,
- teleconsultation, teleexpertise
- autonomy at home

4 MAJOR ISSUES

- Ensure access to health technologies at any population,
- Face the challenges of aging,
- Promote preventive medicine: education of chronicle patients, mobile screening...
- Control costs.

ENVIRONMENT AND HEALTH

■ 2 aspects have to be considered in the field of environmental changes:

- resurgence of infectious diseases due both to **climate change**, extreme meteorological events, growing urbanization, importance of international travels, changes in farming conditions...
- multiple health effects anthropic / industrial pollution: sustained exposure to low doses of pollutants (air pollution, hazardous chemical, industrial » pollutants cocktails »): the health consequences:
 - multi, factorial diseases: cancer, asthma, allergies,
 - disruption process of human reproduction.

1997  **2025**

■ e-HEALTH VIA SATELLITES DESIGNED FOR **REMOTE AREAS**



e- HEALTH VIA SATELLITES DESIGNED FOR **HOME**

■ TELE-EPIDEMIOLOGY WILL **IMPACT EUROPE**