

Università degli Studi di Milano Italy





WORLD HEALTH ORGANIZATION Collaborating Centre For Traditional , Complementary Integrative Medicine

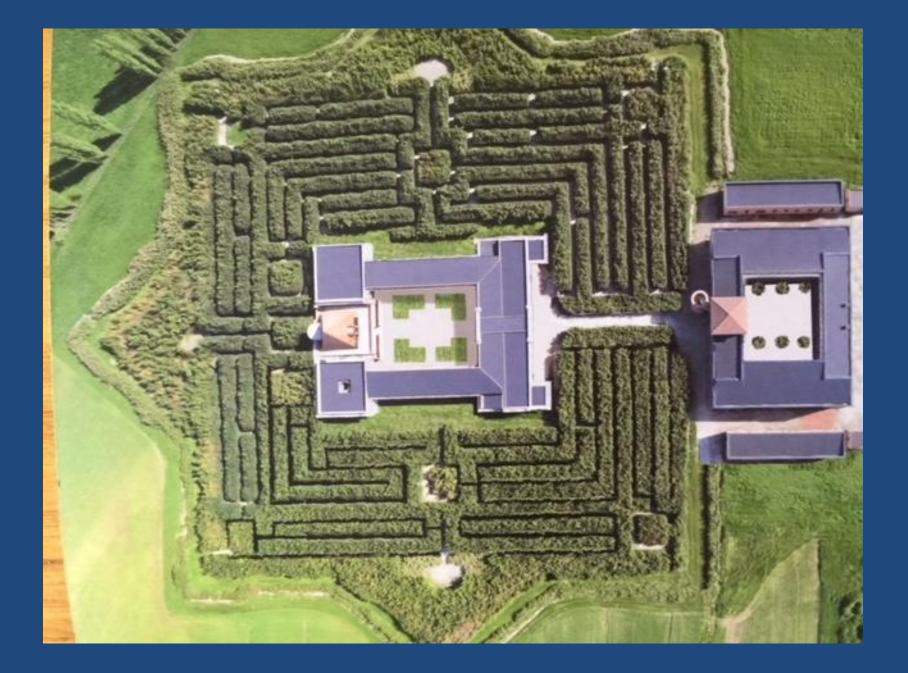
### CHANGE THE WORLD.....OF BALNEOLOGY! research,development and innovation or

<u>THE BEST IS YET TO COME</u>

**UMBERTO SOLIMENE** 

www.femteconline.org

Grotta Giusti, September 4th, 2018







#### RESEARCH, DEVELOPMENT, AND INNOVATION IN THERMAL MEDICINE

Saturday, March 24, 2018 Labirinto della Masone, Fontanellato (PR) From 09:00 a.m. to 1:30 p.m.

Within the framework of the International Forum Labirinto d'Acque 2018, theLabyrinth of Franco Maria Ricci, in collaboration with FEMTEC (the World Federation of Hydrotherapy and Climatotherapy, an institution accredited with the World Health Organization), the FoRST Foundation, Federterme, and COTER, organizes the International Workshop "Research, Development, and Innovation of Thermal Medicine," with the attendance of outstanding world representatives of Thermal Science.

The workshop offers an opportunity for a high-level update aimed at specialized operators, and intends to provide practical answers to key questions for the hydrotherapy sector: does the use of Thermal Medicine, an ancient traditional science, respond to modern scientific requirements, to the interpretation of the action mechanisms of mineral waters on different organ systems? What is the state of the art of basic and clinical research on thermal medicine? Can drugs and the thermae coexist and cooperate? What national and international organizations are in charge? What problems and challenges should hydrotherapy address, with special reference to technological innovation and investments? How does the Italian thermal system interact with local communities?





The simultaneous translation into English of the lectures will be available on the participants' request.

Participation in the workshop is free of charge, subject to booking at <u>www.labirintodacque.it</u>, and provides for the granting of **4 CME credits** for the following accredited professional figures:Surgeons (all disciplines), Pharmacists, Biologists, Paramedics, and Healthcare Assistants. Participants will be requested to sign upon entering and leaving the workshop to confirm their attendance.

#### Workshop Agenda

09:00 a.m. Registration of participants

09:30 a.m. **Umberto Solimene** Research, Development, and Innovation in Thermal Medicine

09:45 a.m. Marco Vitale Thermal Medicine and the Respiratory Tract

10:15a.m. Christian Roques Balneotherapy in France: Care, Teaching, Research

10:45 a.m. **Zeki Karagulle** Recent Research on Medical Balneotehrapy and Thermal Medicine

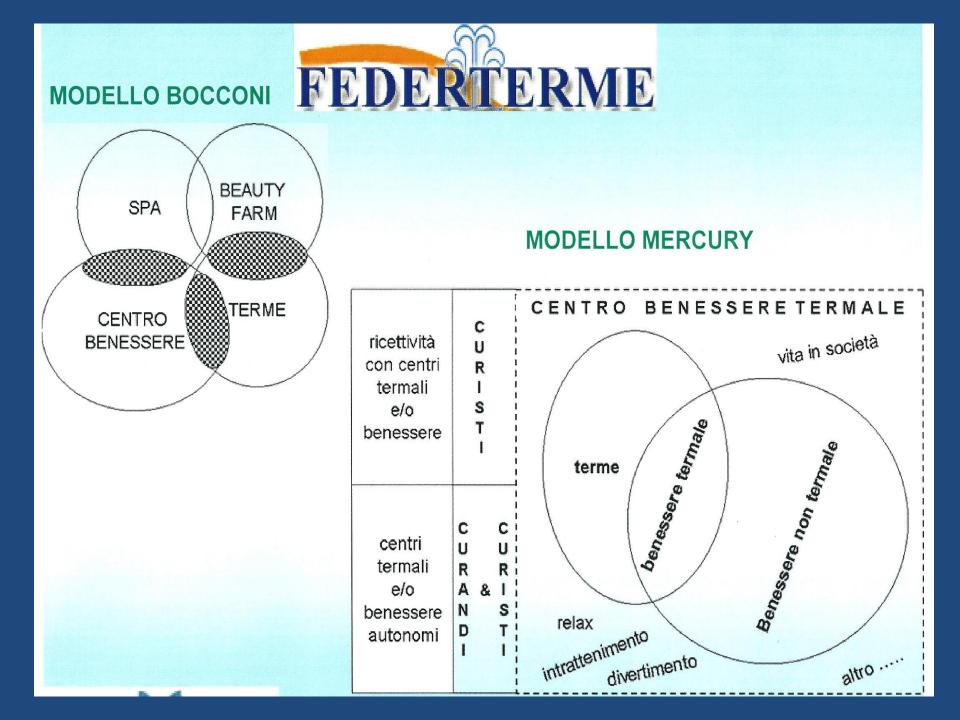
11:30 a.m. **Plinio Richelmi** A Scientific Approach to Thermal Medicine

12:00 a.m. **Stefano Masiero** Rehabilitation at the Thermae: the Role of Water as a Treatment Tool

1:00 p.m.Closing Remarks and Discussion

The initiative takes place within the framework of the show *Labirinto d'Acque 2018* organized on March 21-24 at Labirinto della Masone. Four days dedicated to science, culture, and stories on water, the greatest wealth of our planet. The full agenda is available at<u>www.labirintodacque.it</u>

Access to the Labyrinth of Franco Maria Ricci and the art collection will be available at the ordinary admission fees.For information on Labirinto della Masone: www.labirintodifrancomariaricci.it



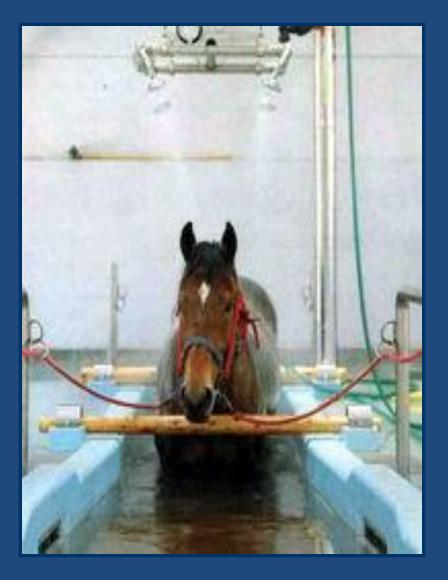


articolata rispetto alla definizione data in Italia

# IT'S A DOG'S LIFE

TYPE OF SERVICE	PEOPLE	DOGS
Massages	\$40-50/30 min.	\$30-50/25 min.
Hydrotherapy/Scrubs/Wraps	\$30-130	\$15-50
Hot Oil Conditioning	\$15	\$25
Styling/Brush and Fluff	\$15-70	\$10-15

IN A COUNTRY WHERE 10 MILLION PEOPLE CELEBRATE THEIR DOGS' BIRTHdays and 37 million give them Christmas presents, the next business opportunity seemed as clear as the snout on Fido's face: spas for pets. Some are "hotels" where spa services are a perk for four-legged boarders, while others are day spas just for the canine (and, sometimes, feline) set. *Spa Finder* conducted a random survey of treatment menus (see chart) and discovered that costs to pamper Mom, Pop, and Spot (or Fluffy) were surprisingly similar. But the real eye-opener was the range of services available for pampered pooches: isokinetic conditioning, myofacial release, water therapy, and vanilla/oatmeal baths.

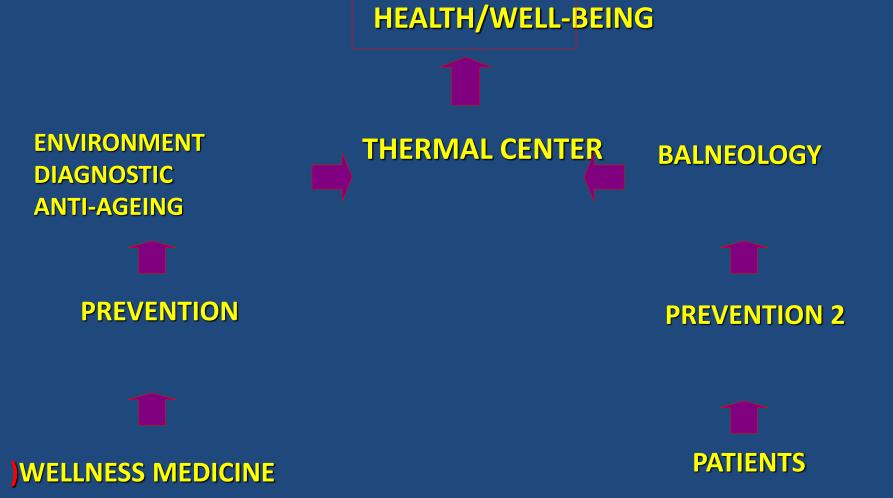


Source: the Hot Spring Sanatorium for Racehorses Equine Research Institute, The Japan Racing Association

# **Health Resort Medicine**

Performance of comprehensive medical concepts for Prevention, therapy, rehabilitation and health promotion

> Change of environment Medical and health examination Balneotherapy , Hydrotherapy Climatoherapy Diet Education Culture and local specialties



# **Balneology – definition**

 Balneology is the use, at their place of origin, of natural remedies such as natural mineral waters, peloids or gases, associated, when appropriate, with other therapies (climatotherapy, exercise, massages, physiotherapy, dietetics, psychotherapy, health education, complementary therapies, ...) for treatment of diseases, rehabilitation, prevention and health promotion.

# REFERENCES

 A proposal for a worldwide definition of health resorts medicine, balneology, medical hydrology and climatology. Guttenbrunner C, Bender T, Cantista P, Karagülle Z. *Int J Biometeorol* 2010 ; 54 : 495-507

### HOW THO CHOOSE A SPA

- "The Waters"
- Food, Nourishment, Diet and Nutrition
- Movement, Exercise and Fitness
- Touch, Massage and Bodywork
- Mind/Body/Spirit
- Aesthetics, Skin Care, Natural Beauty Agents
- Physical Space, Climatology, Global Ecology
- Social/Cultural Arts and Values, Spa Culture
- Management, Marketing and Operations
- Time, Rhythm and Cycles





Nongovernmental Organization in official relations with World Health Organization

### FEDERATION MONDIALE DU THERMALISME ET DU CLIMATISME

WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY

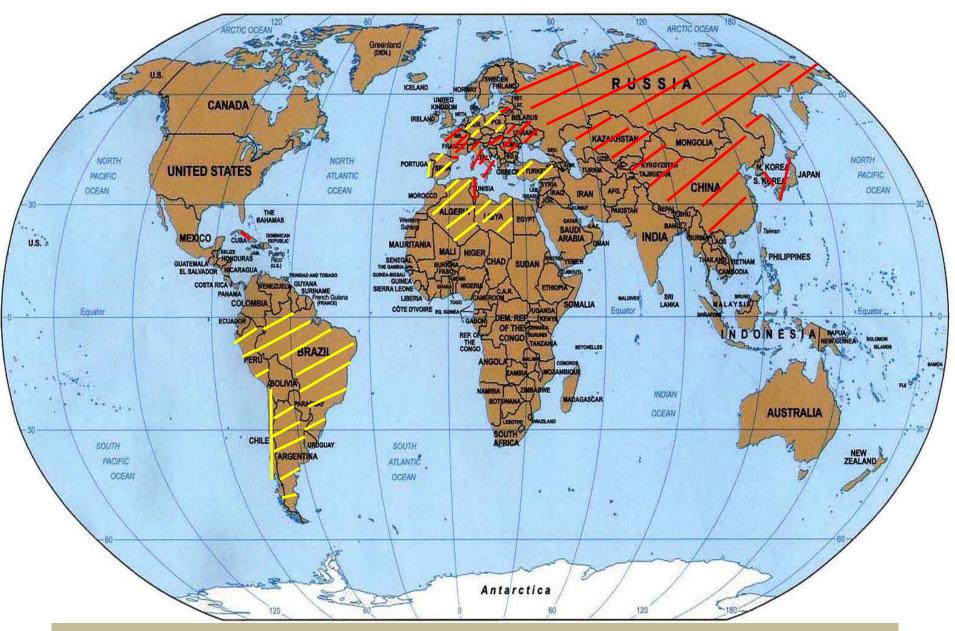
ВСЕМИРНАЯ ФЕДЕРАЦИЯ ВОДОЛЕЧЕНИЯ И КЛИМАТОЛЕЧЕНИЯ

FEDERAZIONE MONDIALE DEL TERMALISMO E DELLA CLIMATOTERAPIA

> WELTVERBAND FÜR BALNEOLOGIE UND KLIMATOLOGIE







FEMTEC LEADING MEMBERS

/ FEMTEC ASSOCIATED MEMBERS



# EUROPEAN ASSOCIATION OF PATIENTS AND USERS OF THERMAL CENTRES

www.eaptc.net

# FEMTEC

- Founded in 1937 (Budapest)
- Main Aims
- Explain the contents of the World of the Spa (medical)and promote them in an international context
- Exchange studies, researches and experiences in the area of Hydrotherapy and climatotherapy
- -35 Official Members from different Countries
- (from Morocco to China)
- -NGO in Official Relations with WHO since 1992
- WWW.FEMTECONLINE.ORG

- WORLD FEDERATION OF
- HYDROTHERAPY AND CLIMATOTHERAPY
- •
- FEMTEC
- Website: www.femteconline.org
- •
- Founded in 1937, FEMTEC (the World Federation of Hydrotherapy and Climatotherapy) gathers the public and private institutions that represent Thermal Establishments in the respective Countries. At present it has more than 30 member Countries (either statutory or affiliated).
- FEMTEC, based in Italy, is the only non-governmental organization (NGO) in the sector entertaining official relations (accreditation) with the World Health Organization (WHO).
- •
- The main purposes of the Federation include:
- representing and promoting balneology in coll.with different national and international institutions;
- promoting international cooperation;
- promoting shared studies, research, training, and experience in the sector.
- •

## THE MISSION

- 1. European thermal tradition: innovate and implement the therapeutic and complementary treatments of *integrated Thermal Medicine* for proper applications
- 2. Complementary Medicine: Develop the themes of complementary Medicine capable to promote the development of Medicine as a whole, through the recovery of its human and holistic principles
- 3. Well-being sciences: train and provide practical updates to specialists with reference to the therapeutic role of the *Thermae*, as well as to the articulated wellness activities (physical exercise, nutrition, methods to promote proper lifestyles)
- 4. Technology, management, and quality control: provide updates and advanced competences, also with practical workshops for specialists in the different sectors

### FEMTEC COUNCELLORS

- •
- Pr. Therry Dubois (France)
- Dr. Aldo Ferruzzi (Italy)
- Pr. Francisco Maraver Eyzaguirri (Spain)
- Pr. Antonio Pedro Pinto Cantista (Portugal)
- Pr. Irena Ponikowska Adamczyk (Poland)
- Pr. Hans J.J. Rasker (Holland)
- Pr. Mayté Suarez Santos (Spain)
- Pr.Z.Karagulle (Coordinator Scientific Comm.)
- •



- <u>RESEARCHES</u> (new knowledges for gen.M.D.;
- Update for specialists ; to stimulate young MD)
  - **ACTIVITIES IN PROGRESS**

<u>ACTION PLANS</u>

**3. Research priorities:** 

• Safety

• Efficacy

• Cost effectiveness

### QUALITY

(a joint action of multiple factors):

- CREATIVITY meant as a combination of imagination and concreteness
- DIMENSION
- Global (international) and local (genius loci)
- Combination of ETHICS and AESTHETICS
- Evoking the **PAST** and anticipating the **FUTURE**
- Sense of **PERFECTION**
- Self-RENEWAL

### • THERMAE EXCELLENCE

- I Thermal water therapeutics requirements
- 🛛 Air quality
- 🛛 Free of noise pollution
- 🛛 Free of visual pollution
- •
- Pree of radiations pollution (magnetic, electric, nuclear...)
- Il Natural or recreated pleasant landscap
- Provide the set of the set o
- 2 Excellence and safety of the equipments
- Sustainable environment
- I Materials and equipments suitability

- EXCELLENCE
- Exceeding Expectations

### PRICE

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- Competitive
  - **ACCESSIBILITY** National and International
- Airports
  - CERTIFICATION
- International Institutions
- •

- •

# JOINT INT.THERMAL COMMISSION BY W H O

### BENCHMARKING ON

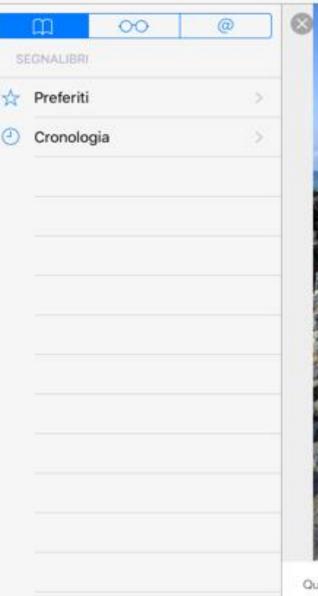
- Classification of mineral therapeutic waters (
- Training
- - Clinical Protocols
- Technologies

Coordinator : FEMTEC with the Contribution of different Experts from the main Scientific international Societies and invited Observers as As methodology you can see the documents edited by WHO with The Contribution of the WHO Coll.Center of Milan (Italy) at www.who.int

# **CHALLENGES**

- **RESEARCH** (safety, efficacity: base/clinic,cost/effectivness)
- INNOVATION (Tecnology, management, design,
- economy/politics
- TRAINING
- COMMUNICATION
- SINERGY with Int.Institutions (WHO, Associazioni)
- QUALITY

:





Quotidiano Honebu di Storia e Archeologia

Modifica

Quotidiano Honebu di Storia e Archeologia: Civiltà nuragica. Terme ...

E nell'immagine sotto c'è una di queste capanne fotografata a Barumini.



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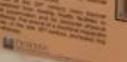
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### WATER IN CHRISTIAN ART exhibition



#### MEDICAL COMMISSION

- Pr. Alexander Razumov (Russia), President
- COMMISSION OF TRANSLATIONAL MEDICINE Pr. Marco Vitale, President
- SUBCOMMISSION OF INTEGRATED THERMAL MEDICINE Pr. Erus Sangiorgi (Italy), President
- SUBCOMMISSION OF COMPLEMENTARY MEDICINE Pr. Emilio Minelli (Italy), President
- SUBCOMMISSION OF SCIENTIFIC RESEARCH
- Pr. Arsenio Veicsteinas (Italy), President
- SUBCOMMISSION OF HYSTORY AND ANTHROPOLOGY **OF MEDICINE**
- Pr. Massimo Aliverti (Italy), President

**TOURISM & HEALTH COMMISSION** Pr. Igor V. Zorin (Russia), President Pr. Alceste Santuari (Italy), Vice President Prof.a Florana Menendez (Cuba), Expert Prof. João Viegas Fernandes (Portugal), Expert

#### ECONOMY & TECHNOLOGICAL INNOVATION COMMIS-SION

Dr. Vladimir Korovkhin (Russia), President Eng. Sergio Serrano (Italy), Biomedical Engineer

SPA MANAGEMENT & MARKETING COMMISSION Dr. István Németh (Hungary), President Tommaso Sgobba (Italy), Vice-President

CUSTOMER CARE COMMISSION Pr. Alceste Santuari (Italy), Coordinator Dr. Natalia Chaurskaya (Russia), Coordinator

TECHNICAL COMMISSION Eng. Gianni Gurnari (Italy), President Dr. Vincenzo Condemi (Italy), Biometeorology Pr. Massimo Boaron (Italy), Engineer - Webmaster

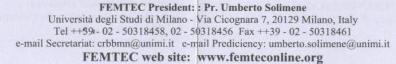
INTERNATIONAL OFFICE AFFAIRS Dr. Natalia Chaurskaya (Russia), Coordinator Dr. Simona Busato (Italy), WHO Communication Focal Point

PRESS OFFICE Ms. Maria Eva Virga (Italy), Professional Journalist

COMMUNICATION CONSULTANTS Dr. Maytè Suarez (Spain) Dr. Mingle Zhao (China)

### PORTUGAL SPAIN





#### FEMTEC LEADING MEMBERS





**CUBA and FLT** 

Ministerio de Salud Pública





TECHNECHICH



RUSSIA

#### FEMTEC LEADING ASSOCIATED MEMBERS







Nongovernmental Organization in official relations with World Health Organization

#### FEDERATION MONDIALE D THERMALISME ET **DU CLIMATISME**

WORLD FEDERATION OF **HYDROTHERAPY AND CLIMATOTHERAPY** 

ВСЕМИРНАЯ ФЕДЕРАЦИЯ водолечения и **КЛИМАТОЛЕЧЕНИЯ** 

#### **FEDERAZIONE MONDIALE D TERMALISMO E DELLA CLIMATOTERAPIA**

WELTVERBAND FÜR **BALNEOLOGIE UND KLIMATOLOGIE** 



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(sous le patronat de la Fédération Internationale du Thermalisme et du Climatisme - FITEC)

(unter dem Patronat der Internationalen Vereinigung für Balneologie und Klimatologie - FITEC)

Prag

auprès de l' Institut de recherches Bainéologiques

beim Balneologischen Forschungsinstitut

Mariánské Lázně

Serie B des publications, No. 5

Schriftenreihe 8, Nr. 5

### MARKETING ET PROMOTION DU THERMALISME sous aspect des incidences économiques

des cures thermales

RAPPORTS - COMMUNICATIONS - DISCUSSIONS

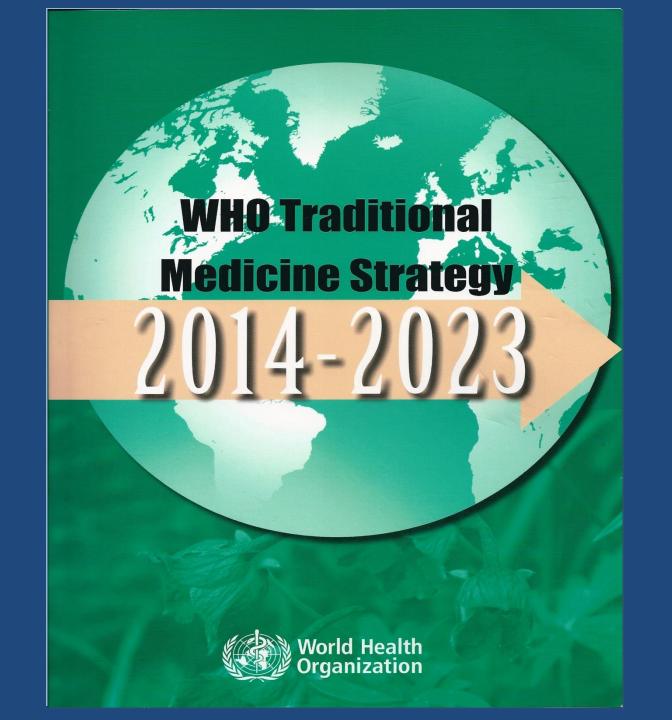
du Illème Collegue International du BIRBE organisé à Paris le 19 et 20 Janvier 1971 en commun avec la Fédération thermale et climatique française à l'occasion des Journées Nationales du Thermalisme Français

# Le Thermalisme

La Fédération Internationale (Mondiale) du Thermalisme et du Climatisme et l'Organisation Mondiale de la Santé

> GUY EBRARD Président de la F.I.T.E.C. de 1969 à 1998





 Having discussed the WHO Traditional strategy 2014-2023, which was launched by the Director-General on 28 October 2013, and its twin goals of harnessing the potential contribution of T&CM to health, wellness, people-centred health care and universal health coverage; promoting safe and effective use of T&CM through the regulation, research and integration of T&CM products, practices and practitioners into the health system, as appropriate.





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Hosted and Financially Supported by the Government of Macao SAR 澳門特別行政區政府承辦及資助

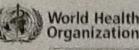
WHO high-level meeting on the implementation of WHO traditional medicine strategy: 2014-2023 世界衛生組織關於實施全球傳統醫藥戰略2014-2023的高層會議

> Macao SAR of the People's Republic of China, 28-30<sup>th</sup> October 2013 中華人民共和國澳門特別行政區,2013年10月28-30日





NGO	Activities
of Hydrotherapy and Climatotherapy (FEMTEC) (1)	<ul> <li>Progress:</li> <li>In many European countries, Hydrotherapy (HT) is widely used and therapies are included in national health care systems. These countries have a regulation on the use of HT and specific educational programmes.</li> <li>In North Africa and South-East Asia, HT is part of a long tradition and increasing demand is driving legislative and regulatory development.</li> <li>In many Latin American countries, ministries of health recognize HT.</li> <li>Challenges:</li> <li>In several countries, HT is considered as being either a complementary medicine with no reimbursement options, or a leisure and wellness activity. It has proved difficult to evaluate the efficacy of HT. This limits the ability of authorities to fund these therapies, as well as the ability of consumers to obtain information on HT. Research is mostly limited to European studies.</li> </ul>



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Tel. direct +41.22.791 Fax direct +41.22.791 E-mail nonstate actors in which int

In reply please refer to

Your reference

Professor U. Solimene President World Federation of Hydrotherapy and Climatotherapy Cattedra di Terapia Termale e Medicina Termale, Università degli Studi di Milano Via Cicognara 7 20129 Milano Italie

27 February 2018

Dear Professor Solimene,

In accordance with exchanges between your entity and the World Health Organization (WHO) last year, the WHO Executive Board reviewed the report of our relations and collaboration at its 142th session in January 2018.

I am pleased to inform you that the WHO Executive Board decided to maintain the World Federation Hydrotherapy and Climatotherapy in official relations with WHO. In making the decision, the Executive Board commended your continuing dedication in supporting the work of WHO. Please find attached a copy of the decision (Document FB142 (9)).

I would like to take this opportunity to convey my thanks to the World Federation of Hydrotherapy and Climatotherapy for its work with WHO. Please contact Dr Zhang, who serves as the designated technical officer (DTO) for our relations, to pursue implementation of the agreed plan for collaboration. Kindly note that the review of the implementation of that plan will take place by the Executive Board in January 2021, according to the triennial schedule for reviews.

Should you have any queries about our formal relations, please do not hesitate to contact the Department of Partnerships and Non-State Actors at nonstateactorstation to int.

I look forward to the continuing support and collaboration of your entity in implementing activities to achieve global health goals.

Yours sincerely,

9. Stephen

Dr Gaudenz Silberschmidt Director Partnerships and Non-State Actors



WORLD HEALTH ORGANIZATION

# GLOBAL STRATEGY ON DIET, PHYSICAL ACTIVITY AND HEALTH

In May 2004, the 57th World Health Assembly (WHA) endorsed the World Health Organization (WHO) Global Strategy on Diet, Physical Activity and Health. The Strategy was developed through a wide-ranging series of consultations with all concerned stakeholders in response to a request from Member States at World Health Assembly 2002 (Resolution WHA55.23).

The Strategy, together with the Resolution by which it was endorsed (WHA57.17), are contained in this document.

# The Global Alliance against Chronic Respiratory Diseases



FEMTEC has 4 permanent Training Centres: Italy (www.thermaecampus.it); Russia (in cooperation with the International Russian Academy of Tourism, www.rmat.ru); China (in cooperation with CHTA, http://www.femteconline.org); Tunisia (in cooperation with the Ministry of Health http://www.thermalisme.nat.tn/).



IF DE RATION MONDIALE DU THERMALISME ET DU CLIMATISME WELTVERBAND FÜR BALNEOLOGIE UND KLIMATOLOGIE BCEMIIPHAR ФЕЛЕРАЦИЯ ВОДОЛЕЧЕНИЯ IL КЛИМАТОЛИЧЕНИЯ WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY FEDERAZIONE MONDIALE DEL TERMALISMO E DELLA CLIMATOTERAPIA

# МЕЖДУНАРОДНЫЙ УЧЕБНЫЙ ЦЕНТР



Лицинии Рособрі адзора ААА № 001100 ат 31.03.2011 г. Приназ о государственной анаредитации. № 521 от 15.01.2011 г. сроком на 6 лет. Сертификат качества по системе ISO 9001-2008 №Н/ШК/3668.



Всемирная Федерация

Водолечения и Климатолечения

вский филиа.

#### Дополнительное профессиональное образование

#### Программа

Профессиональная ПЕРЕПОДГОТОВКА «Менеджмент санаторно-курортного дела» – 360 часов.

НОУ ВПО «Российская международная академия туризма» РОССИЙСКАЯ МЕЖДУНАРОДНАЯ

Программа разработана специалистами Московского филиала Российской Международной Академии Туризма и Всемирной Федерацией Водолечения и Климатолечения.

Данная программа предназначена для повышения квалификации и переподготовки специалистов в различных сферах деятельности, таких как:

санаторно-курортные и оздоровительные туристские предприятия;

- туристские предприятия, специализирующиеся на лечебном туризме;
- высшие управленческие структуры санаторно-курортной отрасли.

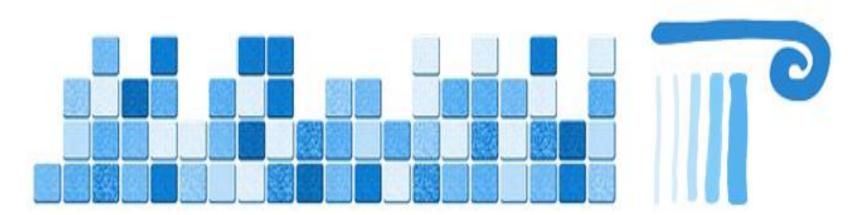
АКАДЕМИЯ ТУРИЗМА

Московский филиал Российской международной академии туризма совместно с Российской гостиничной ассоциацией разработали и успешно реализуют курс профессиональной переподготовки по программе «Менеджмент гостиничных и ресторанных предприятий» - 504 часа (заочная форма обучения с применением дистанционных технологий).

Эта программа подготовлена для обучения руководителей и специалистов сферы гостеприимства, имеющих высшее не профильное образование.



тел. (495) 737-66-72 (495) 737-71-55 www.femteconline.org



# THERMAE CAMPUS

ALTA FORMAZIONE IN MEDICINA TERMALE COMPLEMENTARE E SCIENZE DEL BENESSERE





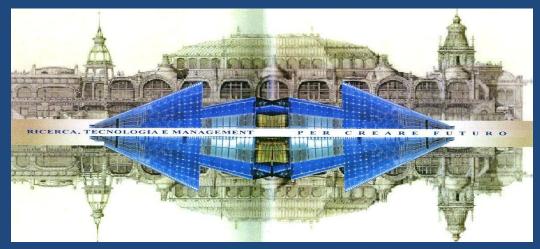


**Università degli studi di milano** Facoltà di medicina e chirurgia

#### Master II° livello in

#### MEDICINA TERMALE, TALASSOTERAPIA E CLIMATOLOGIA MEDICA

#### A.A. 2010-2011



Innovazione e controllo della qualità. Formazione, Ricerca, Tecnologia e Management per le Thermae del terzo millennio







# CORSO ON LINE INTRODUZIONE ALLA MEDICINA TERMALE in Italia

### THERMAE CAMPUS

ALTS FORMADONE IN MEDICALI TERMALE. COMPLEMENTAGE & SCIENCE DEL BENESSERE

Coordinatore Comitato Tecnico Scientifico di Thermae Campus Prof. Umberto Solimene



ECM

## In collaborazione con

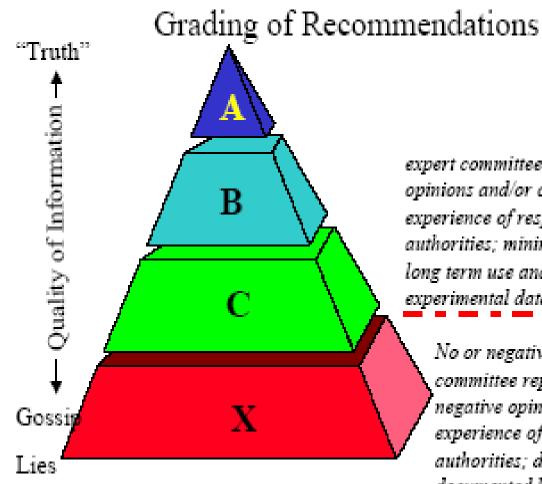


# gioca alle Terme dell'Emilia Romagna

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erme!

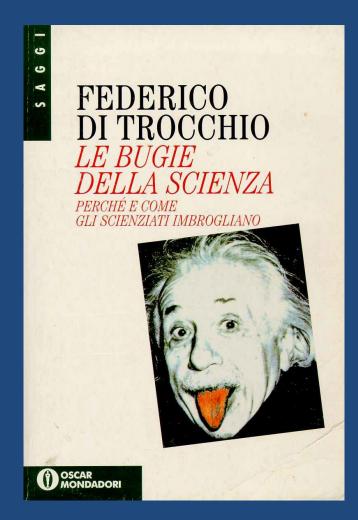
SCIENCE IS NOT DEMOCRATIC It is necessary only professionalism



expert committee reports opinions and/or clinical experience of respected authorities; minimum: documented long term use and supportive experimental data

> No or negative expert committee reports, no or negative opinions / clinical experience of respected authorities; documented or notdocumented long or short term use without supportive experimental data

# THE SCIENTISTS ALSO CAN TELLE LIES



<

09:50



Nuove frontiere Un saggio del pro-rettore dell'Università Milano-Bicocca

### Troppe ricerche, poca qualità. È l'ora della

Ventinove menti eccellenti

Due milioni di articoli pubblicati all'anno per un mercato di 23 miliardi di dollari. Un libro racconta lo stato dell'arte degli studi scientifici nel mondo. Con qualche critica e qualche consiglio

Giovanni Caprara

I mondo della ricerca è cambiato profondamente: slamo sommersi dalla quantità e la qualità sfugge. È ora di pensare a un futuro diverso, soprattutto i giovani attratti dall'affascinante prospettiva: è il momento della slow science». Gianfranco Pacchioni pro-rettore all'Università di Milano-Bicocca ha alle spalle una lunga esperienza internazionale. Da specialista della scienza dei materiali (medaglia Pascal della European Academy of Science e Humboldt Award) ha condotto ricerche all'Università di Berlino e al centro Ibm di Almaden in California, oltre ad insegnare in numerose università, da Parigi al Texas. «Ho voluto approfondire», sottolinea, «confrontandomi con mia figlia impegnata in un dottorato in Svizzera». Così è nato Scienza, quo vadis? (II Mulino, pagine 146, euro 11), una preziosa, ricca e appassionata analisi critica della realtà nella guale lo scienziato ora

Gli scienziati nuniti a Bruxelles per la Conferenza Solivay nel 1927, 17 avevano già preso il Nobel o stavano per riceverlo.

1) Auguste Piccard, fisico ed esploratore svizzero 2) Émile Henriot, chimico francese 3) Paul Ehrenfest, fisico e matematico austriaco 4) Edouard Herzen. chimico belga 5) Théophile de Donder, matematico e fisico belga 61 Erwin Schrödinger, fisico e matematico austriaco 7) Jules-Emile Verschaffelt, fisico belga 8) Wolfgang Pauli, Rsico austriaco 9) Werner Heisenteng, faico tedesco 10) Ralph Fowler, fisico e astronomo britannico 111 Léon Brillouin, fisico francese 121 Niels Bolty, fisico e matematico danese 130 Max Born. físico e matematico tedesco 14) Louis de Broglie, físico e matematico francese 150 Arthur Compton, fisico statumberrae 16) Paul Dirac, fisico e matematico britannico 17) Hendrik Anthony Kramers, fisico olandese 180 William Lawrence Bragg, fisico-britannico 190 Martin Knudsen, fisica danese 20 Peter Debye, chimica, fisico e ingegnere olandese 21) Irving Langmuir, fisico e chimico statunitense 22) Max Plank, Esico tedesco 231 Marie Curie, chimica e fisica polacca, naturalizzata francese 24) Hendrik Loventz, fisico olandese 25) Albert Einstein, fisico e filosofo tedesco 26) Paul Langevin, fisico francese 27) Charles-Eugène Guye, fisico svizzero 280 Charles Thomson Rees Wilson. fisico britanesco 29 Owen Richardson, fisico inglese

### Neurological 4 Stimula

#### Anti-Inflammatory Stimula

#### Endocrine Stimula

### Anti-Oxidant Stimula



. Research priorities:

• Safety

• Efficacy

• Cost effectiveness



# World Health Organization



#### HydroGlobe Definition of a global framework for hydrotherapy



# HydroGlobe Definizione di un quadro di riferimento complessivo mondiale per l'idroterapia

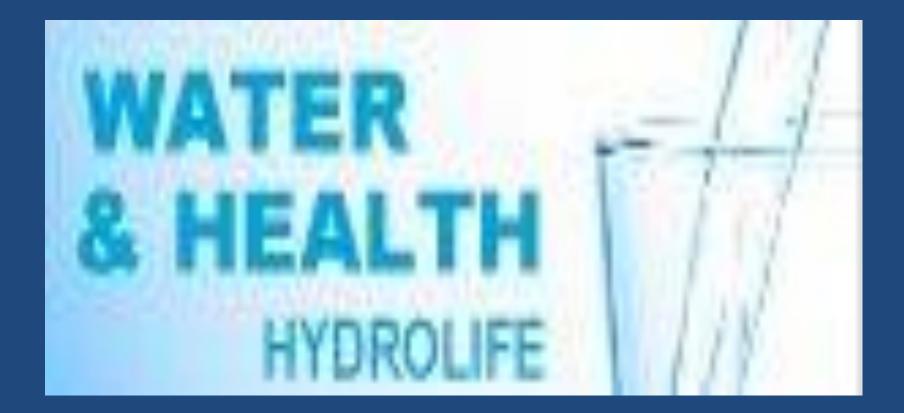
DEFINITION OF A GLOBAL FRAMEWORK FOR

HYDROTHERAPY



Progetto congiunto FEMTEC - FoRST in collaborazione con ISMH e con il supporto tecnico dell'OMS (Organizzazione Mondiale della Sanità)

# WWW.FEMTECONLINE.ORG



#### Water is Life, Wellness and Health *Manifesto*

Water is essential for our body to function. It helps digestion, absorption of nutrients and elimination of indigestible metabolic wastes, and also facilitates blood circulation. Water carries nutrients and all other substances across our body and regulates body temperature. Water is essential for human life as physically and biochemically all biological processes need water to occur.

As part of a healthy diet, water ensures proper hydration at any age. Drinking the right amount of quality water is vital considering how important hydration is for people's health and wellness, cognitive abilities, physical performance and regulation of body temperature.

By removing toxins, water detoxifies our body and makes it stronger, reinforcing its self-healing ability and enhancing health. As a detoxifying agent, water is crucial to prevention and cure.

The World Health Organization (WHO) sees water as a resource that is key to promote health and wellness of individuals and communities around the world. In 1994, the European Commission's Scientific Committee on Food (Italy's Daily Reference Intakes -LARN-1996) stated that a healthy diet is to include not only vitamins but also minerals and water in the respective recommended daily intake amounts, to maintain fluid and electrolytes balance. That was the first time dietary reference intakes included water, recognizing its key role in human diet and body functions.

Water is the best fluid for hydrating the human body. This is to be made clear, especially in Western countries where obesity is on the rise and has been associated with high-calorie drinks that often replace water as a source of fluids.

We need to drink often, throughout the day, before we feel thirsty. Thirst is a signal that our body is already low on fluids and on the way to dehydration (i.e. that we don't have replenished enough fluids).

Even a modest drop in our body's water supply affects not only our physical condition but also our mental abilities as it can lead to problems such as impaired short-term memory and reduced attention span, difficulties with math, fatigue, reduced psychomotor speed and perceptual decision-making speed. Lack of water in the human body can worsen digestion, increase the likelihood of infections and allergic reactions, cause musculoskeletal pain (trank pain), headache and generalized joint pain.

#### Proper hydration is beneficial for ...

Kidney function. Drinking enough water is important to prevent a number of diseases, ailments and disorders, such as kidney stones, urinary tract infections and constipation.

Helping to manage non-communicable disease. It is well-established that regular over consumption of sugar-sweetened beverages is linked to increased energy intake, weight gain and obesity in children and adult, as well as an increased risk of developing type 2 diabetes, cardiovascular disease, and gout. Adopting healthy drinking behaviours by switching from sugary-sweetened beverages to healthier beverages such as water, would help to manage non-communicable disease.

Brain function. Dehydration impairs brain efficiency and cognitive process. A drop in water supply by one liter leads to dehydration of brain tissues impacting brain function with effects that are similar to those seen after two and a half months with Alsheimer's disease. Immune system function. Regular intake of water increases glucocorticoid and catecholamine levels. It therefore facilitates adaptation to stress and determines modifications in lymphocyte subpopulations, in particular T-suppressor cells, through induced changes in cytokine messages.

Intake of caleium, which is an essential nutrient especially for strong bones. Caleium-rich water is a source of bio-available caleium similar to dairy products.

In the light of the foregoing evidence we call upon all Countries to include adequate hydration as part of a healthy diet among the key priorities for health protection.

And to make this an ongoing and long-lasting commitment we invite the leading international organizations, the United Nations and the World Health Organization, to soon adopt a World Hydration Day, to raise awareness of the importance for all people to take and keep the habit of drinking water which is key to ensure the health of future generations.

This Manifesto was prepared on the basis of the Consensus Document "Water & Health. How water protects and improves health overall" (A FEMTEC initiative with the technical support of the WHO) and the speeches at the conference "Hydration and Health, the hidden link", Milan EXPO 2015, June 11, 2015. Signatories:



Università degli Studi di Milano Cattedra di Terapia Medica e Medicina Termale Centro di Ricerche in Talassoterapia Direttore Prof. Umberto Solimene Spa[spa:]s. Ifonte d'acqua termale:-waters, acque termali 2 terme(pl.), stazione termale: to go to a-, andare alle terme, in una stazione termale //-architecture, architettura termale IDa Spa, celebre stazione termale in Belgio

Seminario Intensivo

**SPA MANAGEMENT** 

Terme e Centri Benessere. Governare e Dirigere il Cambiamento

In collaborazione con



ACCELERATORE DI SUCCESSO

Milano, 14-16 Novembre 2002 Excelsior Hotel Gallia

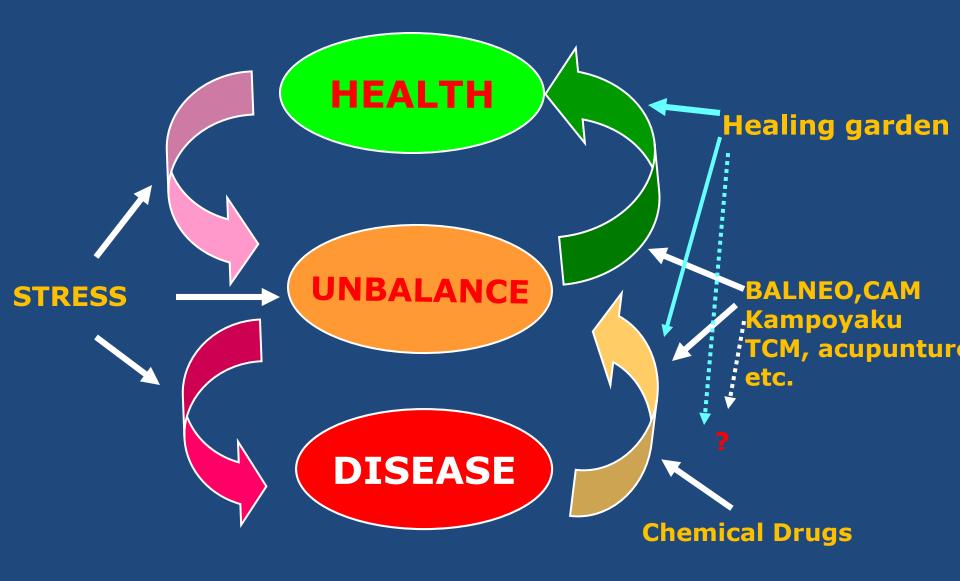
Con il patrocinio dell'Associazione Europea di Medicina del Benessere AEMeB

## $\Rightarrow$ S C E N A R I O of the past two decades

The types of diseases have changed

- $\Rightarrow$  The global population is ageing
- $\Rightarrow$ Traditional Medicine has shown its efficacy in some areas:
- mental health
- prevention of disease
- treatment of non-transmittable disease
- improvement in the quality of life for that part of the population approaching old age.

## AN INTEGRATIVE VIEW TO HEALTH CARE



VOLUME 1 NO 1, APRIL 2009 www.elsevier.de/eujim

# European Journal of INTEGRATIVE MEDICINE

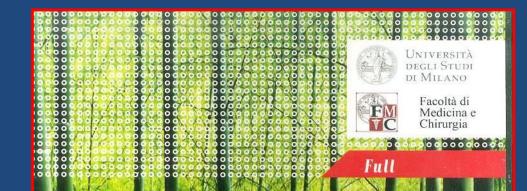
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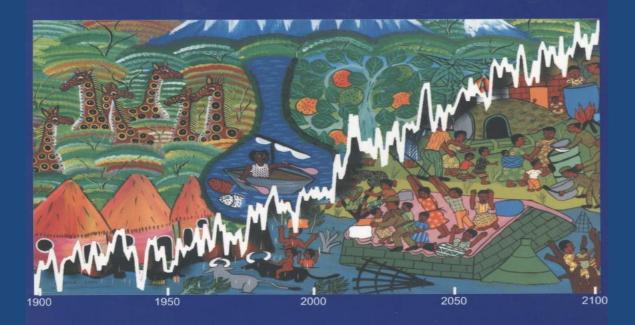
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硕士课程 "传统中医与西医的结合"



## CLIMATE CHANGE AND HUMAN HEALTH

#### RISKS AND RESPONSES

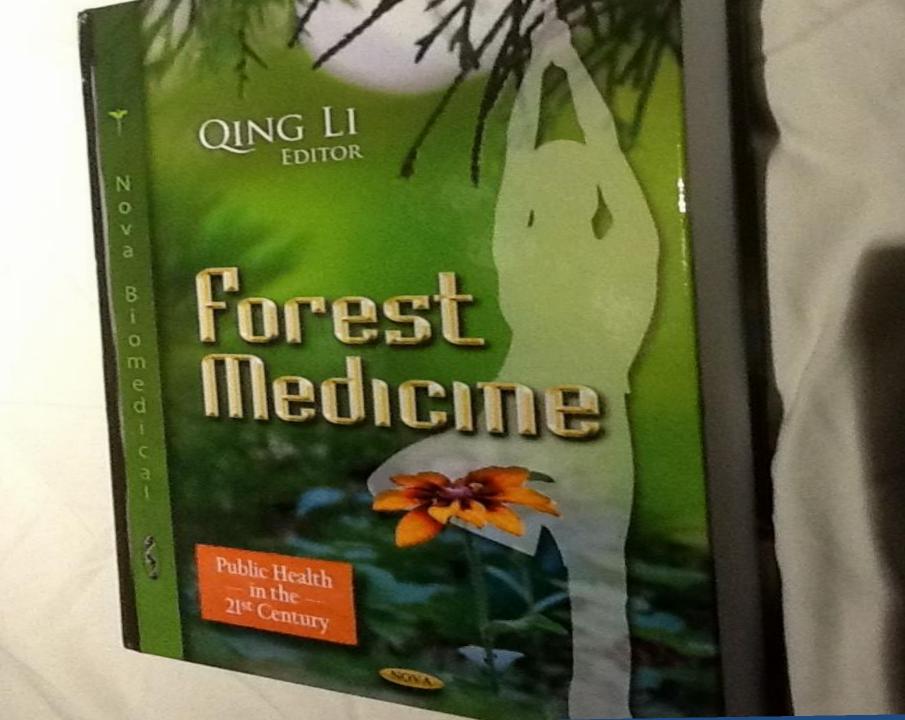


A.J. McMichael, D.H. Campbell-Lendrum, C.F. Corvalan K.L. Ebi, A. Githeko, J.D. Scheraga, A. Woodward, Editors









# Legionellosi nelle strutture dell'ospitalità e termali: analisi e controllo del rischio

Autori Umberto Solimene Gianni Gurnari

Allegato restazionale a HTS nº 2



#### Università degli Studi di Milano Cattedra Terropa Medica e Medicina Terropie Centro di Brianche di Brianche di

Centro di Ruterche in Bioclimatologia Medica, Biotecnologie, Medicine Naturali Centro Ricerche in Talassoterapia



#### World Health Organization Collaborating Centre for Traditional Medicine



World Federation of Hydrotherapy and Climatotherapy

#### Arriva dalla Grecia la civiltà delle grandi terme

Fu sull'esempio dei Greci, nel III secolo avanti Cristo, che l'Romani cominciarono a dotare le loro case di una stanza da bagno. Poi vennero i primi bagni pubblici (nel 33 avanti Cristo Agrippa ne censi 170 nella sola Roma), aprendo la strada a quelle terme – come queste della Villa del Casale – che restano tra le testimonianze più interessanti del costume e anche dello straordinario livello tecnico raggiunto dai Romani in elà imperiale. □ II Laconicum, sala centrale del Calidarium: una sauna per i bagni di vapore, con pavimenti e pareti surriscaldati. La forma ottagonale del Frigidarium deriva dai ninéti dell'età classica e continuerà in età bizantina e nei battisteri cristiani.

> Le sale esterne (essudatio) del Calidarium, dove la temperatura media delle vasche raggiungeva i 60 gradi.

Prima di affrontare il bagno nel Calidarium si sostava qui, alla più bassa temperatura del Tepidarium.

ll Frigidarium si apre su una piscina coperta, che è alimentata dall'acquedotto.

Massaggiatura dopo il bagno è il motivo del mosaico di questa sala, dove i massaggiatori ungevano i bagnanti.

THE OWNER WHEN THE PARTY OF

L'ingresso alle terme è preceduto da un vestibolo. I mosaici rappresentano l'imperatrice con i figli e i domestici.

La palestra destinata alla ginnastica sia prima sia dopo il bagno. Nei mosaici del pavimento, Corse di quadrighe.

Una grande latrina si trova subito accanto all'ingresso: ha dodici sedili, sotto cui scorre acqua. Prima dell'uscita c'è un lavabo.



# 1-й Международный Конкурс Архитектуры и Дизайна «Создание внешнего облика городов-курортов КМВ»



При поддержке:



Почетное генеральное консульство Италии по ЮФО и СКФО



Полномочный представитель Президента Российской Федерации в Ставропольском крае



Правительство Ставропольского края



Министерство строительства и архитектуры Ставропольского края



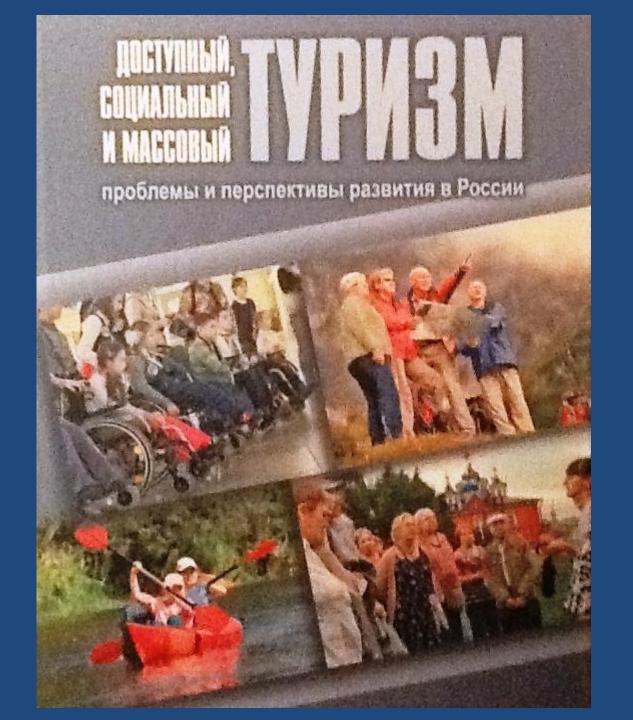
Международная Федерация Гидротерапии и Климатотерапии



Итало-Российская Торговая Палата

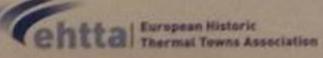
# HEALTH and WELLNESS TOURISM:

# THE NEW DRIVER OF THE TOURISM INDUSTRY



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and of EHTTA, which has been certified as a Cultural Route of the Council of Europe since 2010



Catheral mate of the Council of Europe Stimicular catheral de Consett de Thorape





The Barton

State Council Presidium meeting on enhancing the investment appeal of Russian resorts August ,26 ,2016





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Nº8(17) декабрь 2016

тема номера: президент и федеральные министры об алтайском крае

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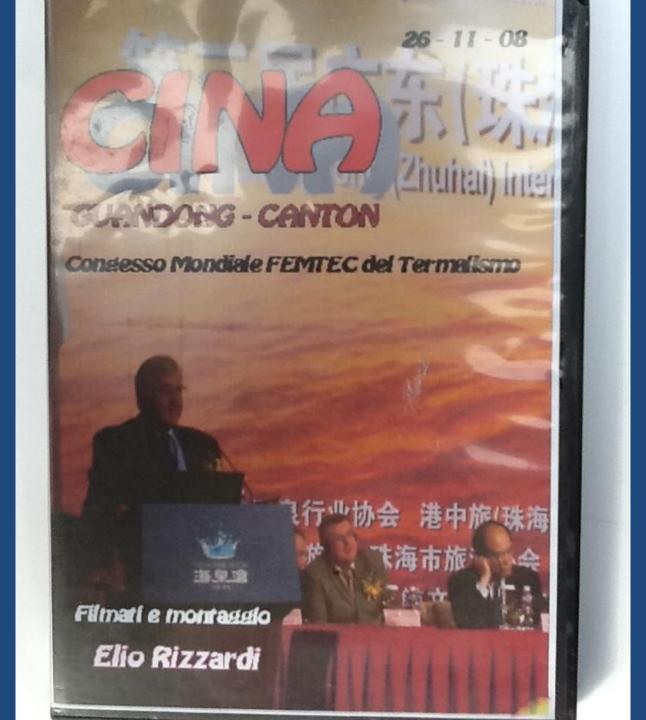
Влалимир Путин:

The Belukurikha-2 received an award as the best health resort project at the 66<sup>th</sup> General Assembly and International Scientific Congress of the World Federation of Hydrotherapy and Climatotherapy in 2013.

REGISTRATION FORM THE 63° GENERAL ASSEMBLY AND INTERNATIONAL SCIENTIFIC CONGRESS OF THE WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY (FEMTEC) 1-2 November 2010, Hammamet (TUNISIA)	HONOR COMMITTEE Minister Counsellor at the President of the Republic, the Representative of Ministry of Foreign Affairs, the Representative of WHO, Director General of Health, the Representative of University (Superior Education), the PDG of the CNAM, the PDG of the CEPEX.	Republic of Tunisia Ministry of Public Health Office of Thermalism
Family name. First name. Mailing address. Tel. Fax.	INTERNATIONAL COMMITTEE N. Storozhenko (Russia), I. Fluck (Hungary), U. Solimene (Italy), Kyung Do Cho (Korea), F. Daouas (Tunisia), Wang Chang Le (China), M. Loboda (Ukraine), F. Menendez (Cuba), Ch. Roques (France), Tagao Taki (Japan).	FEMTEC Nongovernmental Organization in official relations with WHO (World Health Organization)
Fax E-mail Accompanying person(s) Please Book (tick appropriate box): Single room □ Double room □ Cultural program □	SCIENTIFIC COMMITTEE U. Solimene (Italy), F. Daouas (Tunisia), G. Gurnari (Italy), R. Kamoun (Tunisia), K. Kustermann (Germany), M. Loboda (Ukraine), A. Razumov (Russia), Ch. Roques (France), O. Surdu (Romania), L. Zakraoui (Tunisia), I. Zorin (Russia).	THE 63° GENERAL ASSEMBLY AND INTERNATIONAL SCIENTIFIC CONGRESS OF THE WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY (FEMTEC)
Hotel reservation and organizing Agency: Office du Thermalisme, 10 Rue de Médine, 1002 Tunis, TUNISIA E-mail: <u>congresfemtec@thermalisme.nat.tn</u> Tel: 00216-71287861 Fax:00216-71791868	LOCAL COMMITTEE Office of Thermalism e-mail: <u>congresfemtec@thermalisme.nat.tn</u> SUBMISSION OF ABSTRACT Scientific Secretariat only by e-mail: mksirius@rncvmik.ru and <u>no later than 15 October 2010</u> .	TRADITION, INNOVATION AND QUALITY CONTROL
Please not to reserve no later than 15 October 2010 Terms of payment: Bank: BIAT Agence Avenue de France - 1000 Tunis - Tunisia Bank account : 08000000603052933026 IBAN: TN5908000000603052933026 BIC SWIFT: BIATTNTT	Abstract should be submitted only in English. During the Congress FEMTEC awards for Spa Posters and Oral Presentation will be given. FEMTEC PRESIDENT: Prof. N. Storozhenko Tel / Fax ++7 - 495 - 9592315 e-mail: russpa@yandex.ru <u>http://www.kurortrus.ru</u> FEMTEC SECRETARY GENERAL: Prof. U. Solimene Tel ++39 - 02 - 50318458 Fax ++39 - 02 - 50318461	
<u>Payment by 30/09/2010</u> specifying the own name and "Femtec's Congress"	e-mail: crbbmn@unimi.it <u>http://www.naturmed.unimi.it</u>	1 <sup>st</sup> - 2 <sup>nd</sup> November 2010 Hammamet, TUNISIA

FEMTEC web site: www.femteconline.org

in the bank causal.



## of the 62<sup>nd</sup> General Assembly and International Thermalism/Scientific Congress of the World Federation of Hydrotherapy and Climatotherapy (FEMTEC) at Yokohama, Japan





November 8-12, 2009

Venue : HOTEL NEW GRAND 10, Yamashita-cho, Naka-ku, Yokohama-shi, Kanagawa, JAPAN





DERAL MEDICAL VOLDEN

CHILDREN'S STOCK MANON CENTER

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СУМЕН ЖӘНЕ КЛИМАТПЕН ЕМДЕУ ДҮНИЕЖҮЗІЛІК ФЕДЕРАЦИЯСЫНЫҢ (FEMTEC) БАС АССАМБЛЕЯСЫНЫҢ 67-ШІ СЕССИЯСЫ ЖӘНЕ ХАЛЫҚАРАЛЫҚ ҒЫЛЫМИ КОНГРЕСІ

INTERNATIONAL SCIENTIFIC CONGRESS AND 67th SESSION OF THE GENERAL ASSEMBLY OF THE WORLD FEDERATION OF HYDROTHERAPY AND CI TOTHERAPY (FEMTEC)



Nongovernmental Organization In official Relations with World Health Organization (WHO)

### THE 68° GENERAL ASSEMBLY AND INTERNATIONAL SCIENTIFIC CONGRESS OF THE WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY (FEMTEC)

# THERMAE AND MEDICAL WELLNESS Integration between Science, Economy and Tourism



Forte Village Resort - (S. Margherita di Pula - Cagliari, ITALY) www.fortevillageresort.com

30th September - 4th October 2015





### THE 69° GENERAL ASSEMBLY AND INTERNATIONAL SCIENTIFIC CONGRESS OF THE WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY (FEMTEC)



## "ENVIRONMENT, HEALTH RESORTS, TOURISM. Drivers for a good quality of life and local development"

YEREVAN – JERMUK Thermal Center (Rep. of ARMENIA) 2<sup>nd</sup> - 8<sup>th</sup> October 2016



#### www.femteconline.org



THE 70° GENERAL ASSEMBLY AND INTERNATIONAL SCIENTIFIC CONGRESS OF THE WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY (FEMTEC)

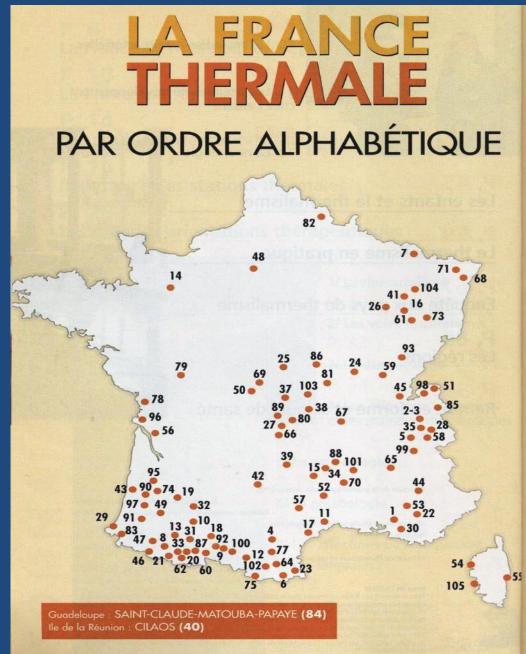
## "THERMAL CLUSTERS Status, proposals and strategies for health care and local development"



ISCHIA PORTO (NAPLES, ITALY)

15<sup>th</sup> - 20<sup>th</sup> October 2017





1.	AIX-EN-PROVENCE
2.	AIX-LES-BAINS
3.	AIX-LES-BAINS-MARLIOZ
4.	ALET-LES-BAINS
5.	ALLEVARD-LES-BAINS
6.	AMÉLIE-LES-BAINS
7.	AMNÉVILLE-LES-THERMES
8.	ARGELÈS-GAZOST
9.	AULUS-LES-BAINS
10.	AURENSAN
11.	AVÈNE-LES-BAINS
	AX-LES-THERMES
13.	BAGNÈRES-DE-BIGORRE
	BAGNOLES-DE-L'ORNE
15.	BAGNOLS-LES-BAINS
16.	
17.	BALARUC-LES-BAINS
18.	
19.	BARBOTAN-LES THERMES
	BARÈGES-SERS-BARZUN
21.	BEAUCENS-LES-BAINS
22.	BERTHEMONT-LES-BAINS
	BOULOU (LE)
	BOURBON-LANCY
25.	
26.	BOURBONNE-LES-BAINS
	BOURBOULE (LA)
28.	BRIDES-LES-BAINS
29.	CAMBO-LES-BAINS
30.	CAMOINS-LES-BAINS
31.	CAPVERN-LES-BAINS
32.	CASTÉRA-VERDUZAN
33.	CAUTERETS
	CHALDETTE (LA)
35.	CHALLES-LES-EAUX
	CHÂTEAUNEUF-LES-BAINS
38.	CHÂTEL GUYON
39.	A REAL PROPERTY OF THE REAL PR
	CILAOS (ÎLE DE LA RÉUNION)
	CONTREXÉVILLE
	CRANSAC
	DAX
10000	DIGNE-LES-BAINS
	DIVONNE-LES-BAINS
46.	EAUX-BONNES
	EAUX-CHAUDES (LES)
	ENGHIEN-LES-BAINS
1000	EUGÉNIE-LES-BAINS

- 50. ÉVAUX-LES-BAINS 51. ÉVIAN-LES-BAINS

The sanatorium system of Russia is regional and is presented by resorts Krasnodar, Stavropol Territory, Republic Bashkortostan, the Caucasian mineral waters, a resort zone of Northwest, Urals Mountains, Siberia, the Far East and Kamchatka.





## 重 庆 融 汇 国 际 温 泉 城 Chongqing Ronghui Hotspring City





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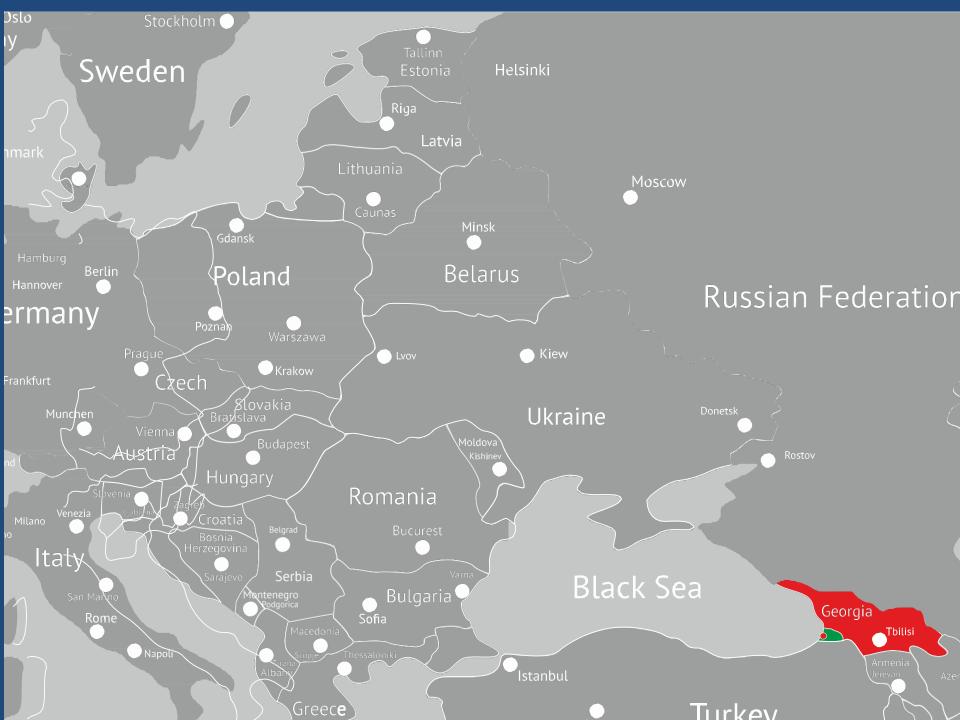
THE 71° GENERAL ASSEMBLY AND INTERNATIONAL SCIENTIFIC CONGRESS OF THE WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY (FEMTEC)

## "THERMAE 4.0"

## New algorithms for health care, sustainable development and tourism



BATUMI (Republic of Georgia) October 30 - November 4, 2018 Euphoria Batumi Hotel www.euphoriahotel.ge





The three major industrial 19th century gave place to • mechanical production and paved the way towards the new industrial economy; the introduction of electricity, of the combustion engine, and of oil as an energy source revolutions brought about significant economic and social changes all over the western world: the creation of the steam engine in the in the 19th century promoted the shift to mass production; the quick development of information and electronic technologies in the 20th century introduced digital information automation and processing in all fields of application, and gave origin to the new ITC-based society model.

 We are now on the eve of the fourth industrial revolution (4.0) – a subject that has been at the focus of the World Economic Forums since 2016 and was introduced with the release of the well-known report "Mastering the Fourth Industrial Revolution".  Emerging web technologies, digital appliances, new iCloud-based applications, and flexible work are already changing the relation between man and his environment. Thus millions of new jobs will be created, while many others will disappear: a net negative balance of over 5 million jobs is predicted for Europe alone.

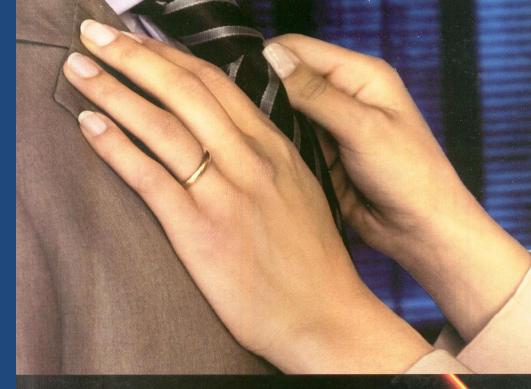
Experts and observers are trying to guess how manufacturing and economic activities will change, which new professional skills will be required, and which ones will disappear instead. The study "The Future of the Jobs" highlights that technological, economic, and demographic factors will have a strong impact on the labour world in the next few years.

 If this is the outlook for industry, one may wonder whether there can be a "THERMAE 4.0" and, if so, which actions and solutions can be envisaged. Facing this upcoming situation, which future can we expect for the Thermae, their role in national health care systems, the need for technological updates, human resources, research, data collection, and data analysis methods, the organization of hospitality?

 The challenge will be to reconcile the new global socioeconomic and environmental conditions with the unique specificities of the thermal tradition, defined by the therapeutic and environmental characteristics of the "genius loci", as well as by the concept of the patient at the heart of care and of the "search for the lost body". Moreover, how can the growing demand for health be integrated with infrastructures allowing sustainable development and tourism?

## • The main topics of the Congress:

 Structure and organization of national and international thermal systems •Economic and social strategies and policies for thermalism
 Environment, climate, thermae, and health
 Training and research as tools for knowledge and information. The new possibilities of ITC •Approaches to care,  health, and wellbeing. Complementary, integrated thermal medicine •New methodologies in the field of balneorehabilitation •The role of the thermal patient-user • Telemedicine • Traditional and IT communication and marketing •New technologies and health safety •Health tourism •Organization of the hospitality



## LA DIFFERENZA TRA CURARE E PRENDERSI CURA.

Da un'azienda farmaceutica ci si aspettano risposte efficaci ed efficienti alla domanda di salute. La ricerca meticolosa, la competenza scientifica possono tracciare le coordinate, ma per raggiungere le persone, serve molto di più. Occorrono passione, coinvolgimento, sensibilità. È l'attitudine che distingue noi di Takeda Italia Farmaceutici e che ci avvicina ai medici e ai loro pazienti. Un'attitudine in grado di fare la differenza. La differenza che c'è tra curare e prendersi cura.



Takeda Italia<sup>®</sup> Farmaceutici S.p.A. PASSIONE PER LA RICERCA, AMORE PER LA VITA.





## Hot Spring SPA Boom in C H I N A



•Active Ageing of citizen; Elena Bellio, Luca Buccoliero (Bocconi University of Milano)

•Wellbeing and Digital health; Eugenio Santoro (Istituto di Ricerche Farmacologiche "Mario Negri", Milano)

 Laser therapy and integration of thermal rehabilitation; Giannino Algeri (I.A.L.T. - International Association Laser Therapy, Lugano, Switzerland)
 Health Education is directly proportional to centrifuge of medical practices in global medical tourism pertaining to predictive diagnosis and personalized preventive healthcare; Amina Ather (Scientific Director Medizin Park Ruhr, Castrop – Rauxel, Germany)

•Biosensors, IoT and Telecare services; Andrea Capra (Caspo consulting, Italy)



#### I progetti di «badante hi tech», L'allarme di Morozov; alienante

Il 13 luglio scorso, duraste E film una conferenza suffetà organiznata dalla Casa Bianca, Fimprenditore hi tech Seth Sternberg ha oviato la sala affermando che la terza età «è il settore più sottosviheppato in termiol di innovazione». Per questo motivo, con Il sostegno, tra gli altri, del cofondatore di PsyPal Max Leschin, di Mike Schroepfer di Faorbook, dell'amministratore delegato di Yelp Jeremy Stoppleman, Sternberg ha avviato Honor, una start-up che punta a mielierare Desistenza, online e offline, agli anzlani in casa.

Dopo decenni di disinteresse nei confronti degli over 65, il mondo della tecnologia ha ca pito che è in quel segmento anagrafico (a millardi di persone entro il 2050, secondo l'Organizzazione mondiale deila Sanità) che si nusconde utienorme possibilità di sperimentazione e di profitto. Una buona notigia) Niente affatto stando s quanto ha seritto sul Guardian Evgeny Morozov. Per lo stedioso di cultura digitale, il modello di welfare per anziani proposto dalla Silicon Valley appresenta una promessa di addination Di certo, le asiende hanno co-

Sopra Frank Langella in una scena di Rohot & Frank devetto da lake Schieler. l'attore recita là parte di un antiano che vive un'amicula con un robot. Poss Samuel Goldwyn Himst

All'opera

minciato a investire sul mercato

tablet --- al robot che aiutano i i registrati vengono poi tra poca è nata Calico, la naova crenelle faccende domestiche, coamessă a una centrale di conme Romeo dell'arienda francetrollo che, in caso di problemi, se Aldebaran. avverte la famiglia e l'ospedale A Singapore è già attivo Il Rolonle. boCoach, un robot che assiste É evidente come, dietro quenello stolgimento di un esercisti progetti (molti dei quali non-

sio fisico regolare e corretto. a caso sostenuti dai governi), si Proprio come un personal trainasconda l'objettivo di ridurre ner in palestra, il RoboCoach aluta a mantenersi in forma con programmi su misura, consigli e incitimenti. L'Ibm ha avriato «Secure Living project», un programma che permette agli anniani di «vivere al sicuros a casa, senza dover ricortere a stratture esterne o badanti. Il progetto pilota riguarda trenta residenti di Bol-

Engente spesa sanitaria per la Grev. tetza età e di «informatizzare» un'altra porzione di mercato

zano, che vengono monitorati in tempo reale da sensori che tracciano possibili variazioni della temperatura corporea o lo spettro della caducità) gratie della pressione sanguigna. I daalla tecnologia. Per questo nel

umino, sostituendo con sensori, robot e videocamere le quasi novecentomila budanti che lavorano in Italia (1,5 milioni negli Stati Uniti). Nen ci sono solo ragioni di efficienza economica, ma anche un pizzico di onnipotenza. I robot-badanti incarsuno l'ultimo sogno prolhito della Silicon Valley: allurgare la durata della vita (e allontanare

Peter Thiel è uno dei maggiori finanziatori dei progetto Sens-(Strategies for Engineered Negligible Senescence) per contrastare l'invecchiamento del biochimico inglese Aubrey de «Come è possibile --- si do manda Mororov --- andare in pensione in un'economia in cui

il valore finanziario è prodotto semplicemente dall'interazione con tecnologie ad alta intensità di datily. Gli esseri umani devono vivere più a luogo perché, solo in questo modo, potranse conditiuste a generare namorf dati e informationi utili alle ariende. Con un robot per ami-

co. Satà davvero così? 划 @verena\_danne

Oriente --teanno whippendo software is subject. in grado di semplificare to vite. degli anziani

Il fatto atora biotecnolostica di Goorle. Mentre il colondatore di PayPal Da pochi anni il settore dell'hi tech si sta interes sando alla realthdept over 65enni Secondo rörganizziszio ne morelale della Sanità

entro il 2050 disaranno 2 millards theorem 60enni · Proprió per questo

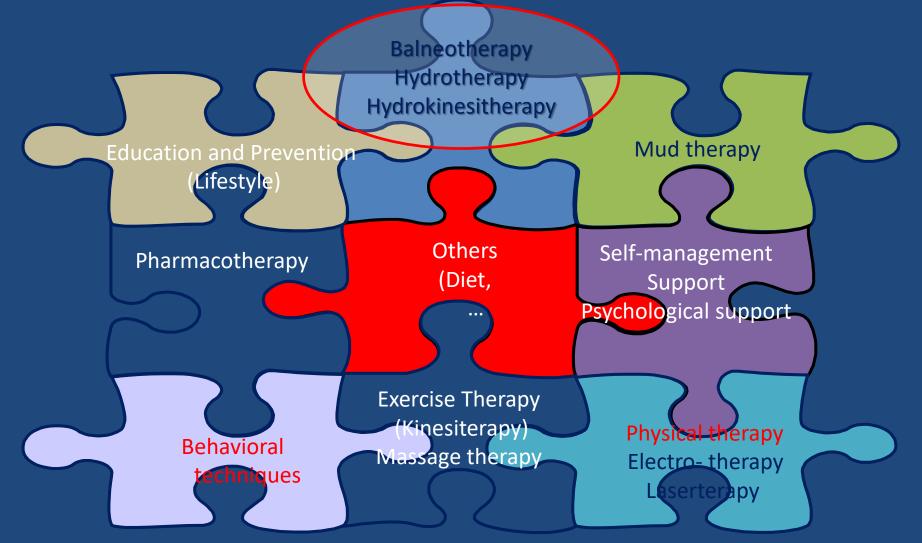
diverse aziende - dalla Silicon Valleyantericani all'Estreme

## The "transparent body"



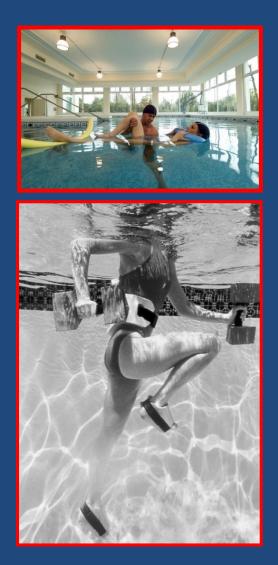


A multimodal therapeutic model of care for patients with neuromuscle-skeletal disability based on biopsychosocial approach



Masiero S. Aging Clin Exp Res 2008

### Hydrokinesitherapy (Aquatic exercises)

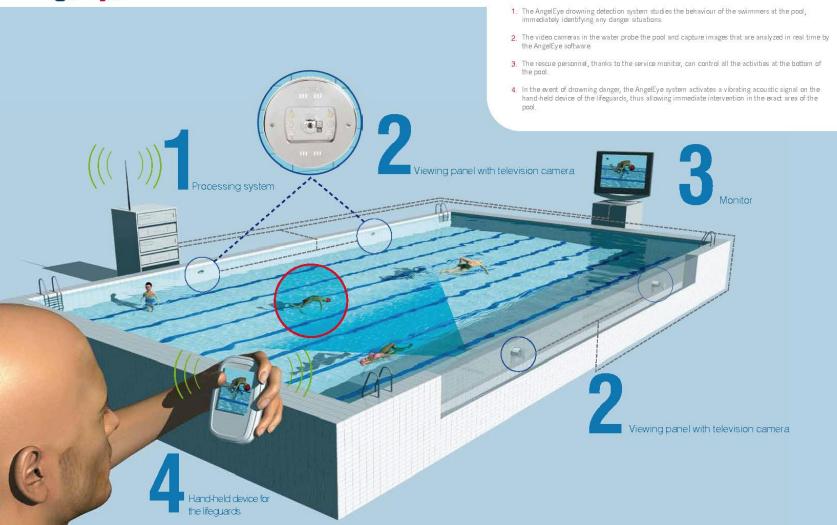


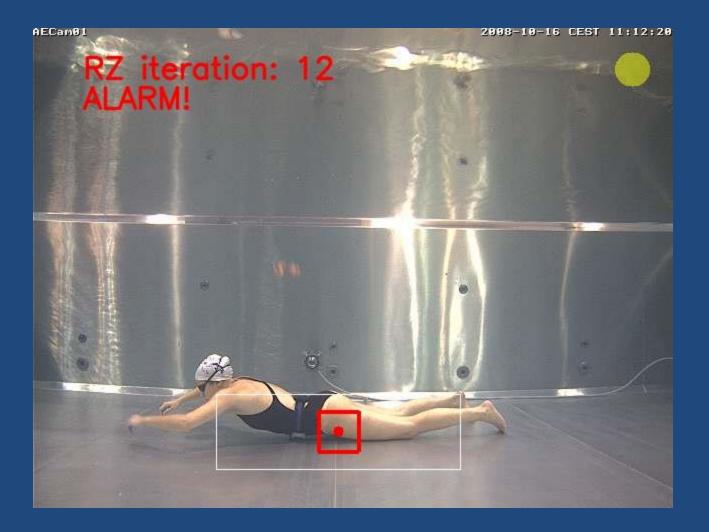
**Def.:** «immersion of part or all of the body in mineral and thermal waters combined with exercise therapy for medical purposes".

- Water is an optimal environment for exercise therapy (for its physical properties)
  - The main physical effects of immersion in **thermal water** are linked to *temperature*, *buoyancy*, *viscosity*, *and hydros*tatic pressure (physical properties) and therapeutic effects of mineral waters (*pharmacological effects*)

de Souza Vasconcelos et al. Trials 2013 Masiero S. Aging Clin Exp Res 2008





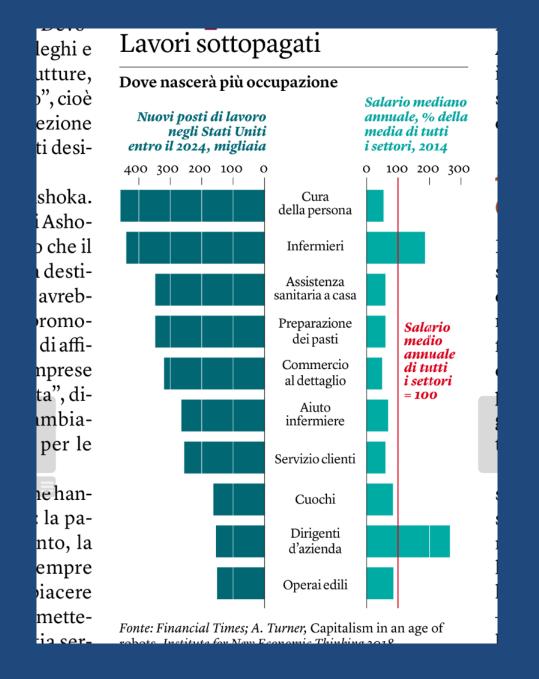






## The "transparent body" "The shared body"



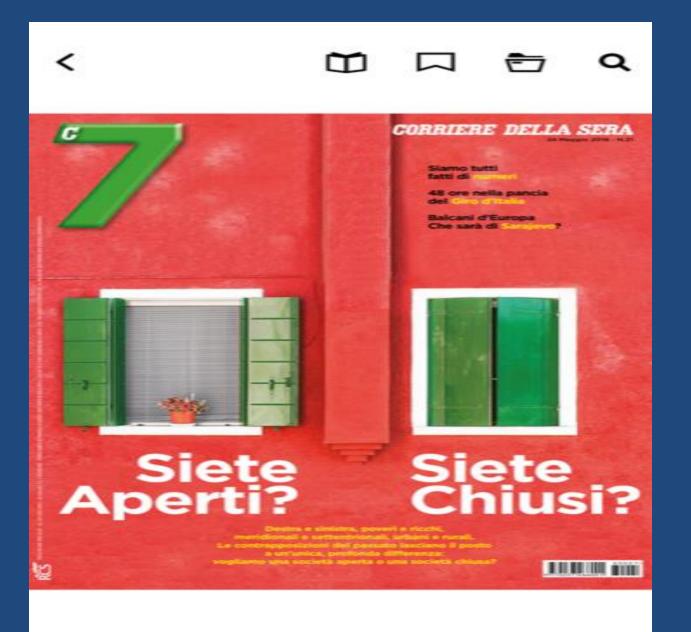


I would like to close quoting American Journalist Sydney HARRYS with reference to FEMTEC

"The whole purpose of FEMTEC is to turn mirrors into windows."

<u>The mirror is self-referentiality</u>: "<u>we always did it this way,"</u> "we are the best", "we are not understood."

<u>The window means being open to the world</u> and to a changing society, with new circumstances and needs: "moving on," "integrated medicine," "not being afraid of novelties and of the new frontiers of knowledge."







### **Integration=saving & efficiency**





We have to play like orchestra.



#### RESEARCH, DEVELOPMENT, AND INNOVATION IN THERMAL MEDICINE

Saturday, March 24, 2018 Labirinto della Masone, Fontanellato (PR) From 09:00 a.m. to 1:30 p.m.

Within the framework of the International Forum Labirinto d'Acque 2018, theLabyrinth of Franco Maria Ricci, in collaboration with FEMTEC (the World Federation of Hydrotherapy and Climatotherapy, an institution accredited with the World Health Organization), the FoRST Foundation, Federterme, and COTER, organizes the International Workshop "Research, Development, and Innovation of Thermal Medicine," with the attendance of outstanding world representatives of Thermal Science.

The workshop offers an opportunity for a high-level update aimed at specialized operators, and intends to provide practical answers to key questions for the hydrotherapy sector: does the use of Thermal Medicine, an ancient traditional science, respond to modern scientific requirements, to the interpretation of the action mechanisms of mineral waters on different organ systems? What is the state of the art of basic and clinical research on thermal medicine? Can drugs and the thermae coexist and cooperate? What national and international organizations are in charge? What problems and challenges should hydrotherapy address, with special reference to technological innovation and investments? How does the Italian thermal system interact with local communities?





The simultaneous translation into English of the lectures will be available on the participants' request.

Participation in the workshop is free of charge, subject to booking at <u>www.labirintodacque.it</u>, and provides for the granting of **4 CME credits** for the following accredited professional figures:Surgeons (all disciplines), Pharmacists, Biologists, Paramedics, and Healthcare Assistants. Participants will be requested to sign upon entering and leaving the workshop to confirm their attendance.

#### Workshop Agenda

09:00 a.m. Registration of participants

09:30 a.m. **Umberto Solimene** Research, Development, and Innovation in Thermal Medicine

09:45 a.m. Marco Vitale Thermal Medicine and the Respiratory Tract

10:15a.m. Christian Roques Balneotherapy in France: Care, Teaching, Research

10:45 a.m. **Zeki Karagulle** Recent Research on Medical Balneotehrapy and Thermal Medicine

11:30 a.m. **Plinio Richelmi** A Scientific Approach to Thermal Medicine

12:00 a.m. **Stefano Masiero** Rehabilitation at the Thermae: the Role of Water as a Treatment Tool

1:00 p.m.Closing Remarks and Discussion

The initiative takes place within the framework of the show *Labirinto d'Acque 2018* organized on March 21-24 at Labirinto della Masone. Four days dedicated to science, culture, and stories on water, the greatest wealth of our planet. The full agenda is available at<u>www.labirintodacque.it</u>

Access to the Labyrinth of Franco Maria Ricci and the art collection will be available at the ordinary admission fees.For information on Labirinto della Masone: www.labirintodifrancomariaricci.it

## **Chronic Respiratory Diseases**

- A major public health problem??
- <u>1 billion people suffer from CRDs including asthma,</u> respiratory allergies, COPD, occupational lung diseases, sleep apnea and pulmonary hypertension
- CRDs account for about <u>5 million</u> deaths annually
- COPD to become the 3rd leading cause of death by 2030
- Indoor air pollution kills more <u>than 4 million pe</u>ople each year

## Overview of GARD in countries



## **Global NCD Action Plan 2013-2020**

World Health Organization

#### GLOBAL ACTION PLAN FOR THE PREVENTION & CONTROL

OF NONCOMMUNICABLE DISEASES 2013-2020



#### Vision: A world free of the avoidable burden of NCDs

#### Goal:

To reduce the preventable and avoidable burden of morbidity, mortality and disability due to NCDs by means of multisectoral collaboration and cooperation at national, regional and global levels

# WHO Global NCD Action Plan 2013-2020 –objectives and recommended actions for member states, international partners and WHO

Objective 1:	Objective 2:	Objective 3:	Objective 4:	Objective 5:	Objective 6:
To strengthen international cooperation and advocacy to raise the priority accorded to prevention and control of NCDs in the development agenda and in internationally- agreed development goals	country response for prevention and	To reduce exposure to modifiable risk factors for NCDs through creation of health- promoting environments	To strengthen and reorient health systems to address prevention and control of NCDs through people- centred primary health care and universal coverage	To promote and support national capacity for high quality research and development for prevention and control of NCDs	To monitor trends and determinants of NCDs and evaluate progress in their prevention and control

The Action Plan comprises a set of actions which, when performed collectively by Member States, UN agencies, international partners and WHO, will reduce the burden of preventable morbidity and disability and avoidable mortality due to NCDs.

#### GARD Action Plans (2008-2013, 2014-2020)

GARD purpose is to initiate a comprehensive approach to fight CRD in countries in line with the NCD Action plan . GARD pursues to help strengthening capacity building of the following four main objectives:

Advocacy

Partnership

National plans on prevention and control Surveillance

## **Evolution of GARD partnership**

#### GARD regional meetings:

- GARD/EURO, Rome 2014, GARD/EMRO, to be continued) GARD national partnership (Italy, Turkey, Portugal, Czech Republic, Brazil) GARD Demonstration projects Finland, Brazil, Uganda, South Africa, Airways ICP ... Developed GARD countries support CRD programmes in low income countries Portugal (Cape Verde, Angola, Mozambique)
- Japan (The Philippines, Cambodia, Mongolia, Laos)

# SPA Therapy in France : economic dimensions

- Average costs
  - Treatment, travel and stay : 1,500 € / patient
     Reimbursed by Social Security : 500 € /patient
- Social security involvement (thermal cares + doctors fees) : 290 Millions € (0.14% Total health Expenses)
- Gross product of spa resorts : 1 Billion €
- Employed persons : 110,000
- Social security contributions and taxes : 190 Millions €

#### THERMAE IN ITALY (2017)

THERMAL CENTERS	⇒	356
WORKERS	⇒	17k
Addetti compresi l'indotto	⇒	70 mila
REVENUES	⇒	500 millions eur
MINISTRY OF HEALTH	⇒	112 millions
Fatturato Indotto	⇒	4,5 billions
Curandi a carico del Ssn	⇒	1,3 milions
Curandi totali	⇒	2 millions
Presenze termali	⇒	33 millions

# The AFRETH – Oct 2004

French Association for Thermal Research

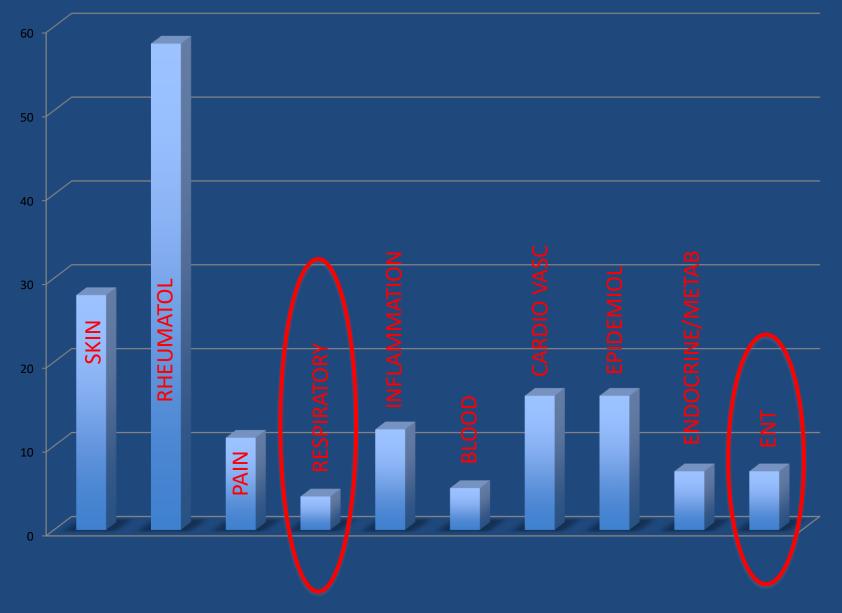
- Research a conventional obligation (SPA contractors CNETH Social security)
- THE AIMS of research are to demonstrate

   THE ACTUAL MEDICAL BENEFIT OF THE EXISTING SPA TREATMENTS REIMBURSED BY THE SOCIAL SECURITY
   THE ACTUAL MEDICAL BENEFIT OF NEW TRENDS IN BALNEOLOGY
   NEW FORMATS OF TREATMENT
  - NEW SCOPES FOR SPA THERAPY
- A budget : 1 Million € (yearly)(CNETH 2/3, ANMCT 1/3)

# **AFRETH call for projects** – 13M € 2005, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18

	PRE PROJECT S	ELIGIBLE	SCIENTIFICALL Y VALIDATED	FINANCIAL SUPPORT
AMB CLINIC.	119	79	56	46
SAFETY	4	3	3	2
PHYSIO PATH.	13	6	6	4
TOTAL	136	88	65	52

## NUMBER OF CLINICAL SCIENCE PAPERS AVAILABLE IN PubMed 2012-2017



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09:50



Nuove frontiere Un saggio del pro-rettore dell'Università Milano-Bicocca

#### Troppe ricerche, poca qualità. È l'ora della

Ventinove menti eccellenti

Due milioni di articoli pubblicati all'anno per un mercato di 23 miliardi di dollari. Un libro racconta lo stato dell'arte degli studi scientifici nel mondo. Con qualche critica e qualche consiglio

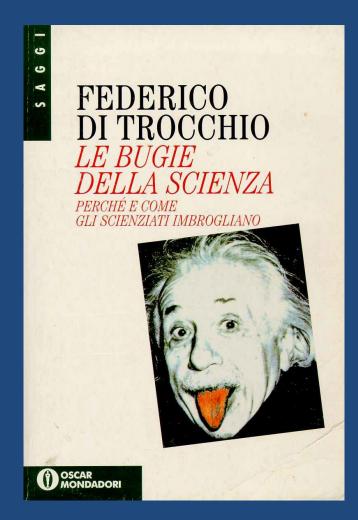
Giovanni Caprara

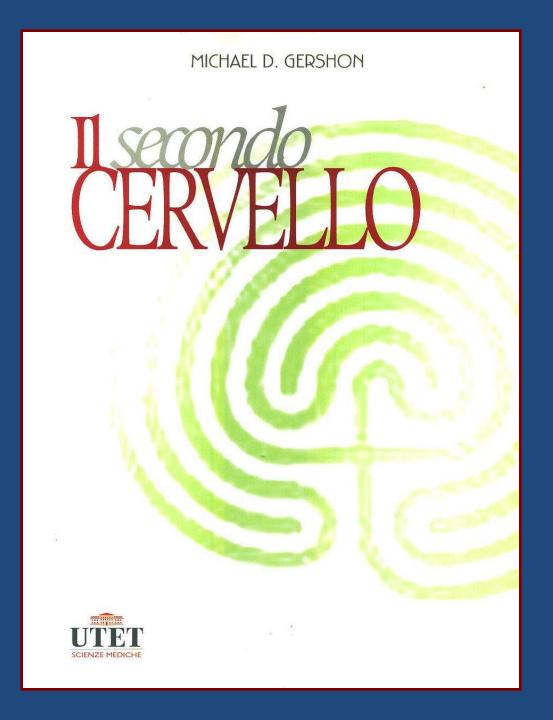
I mondo della ricerca è cambiato profondamente: slamo sommersi dalla quantità e la qualità sfugge. È ora di pensare a un futuro diverso, soprattutto i giovani attratti dall'affascinante prospettiva: è il momento della slow science». Gianfranco Pacchioni pro-rettore all'Università di Milano-Bicocca ha alle spalle una lunga esperienza internazionale. Da specialista della scienza dei materiali (medaglia Pascal della European Academy of Science e Humboldt Award) ha condotto ricerche all'Università di Berlino e al centro Ibm di Almaden in California, oltre ad insegnare in numerose università, da Parigi al Texas. «Ho voluto approfondire», sottolinea, «confrontandomi con mia figlia impegnata in un dottorato in Svizzera». Così è nato Scienza, quo vadis? (II Mulino, pagine 146, euro 11), una preziosa, ricca e appassionata analisi critica della realtà nella guale lo scienziato ora

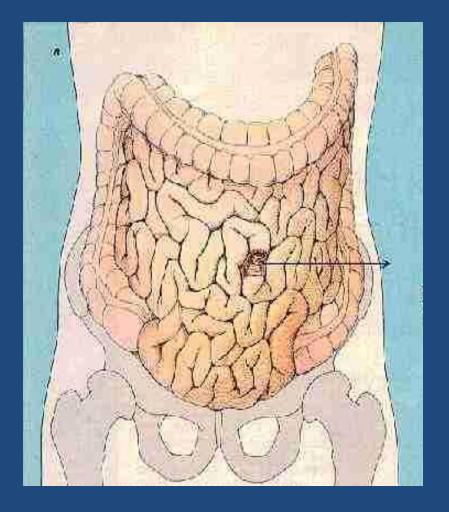
Gli scienziati nuniti a Bruxelles per la Conferenza Solivay nel 1927, 17 avevano già preso il Nobel o stavano per riceverlo.

1) Auguste Piccard, fisico ed esploratore svizzero 2) Émile Henriot, chimico francese 3) Paul Ehrenfest, fisico e matematico austriaco 4) Edouard Herzen. chimico belga 5) Théophile de Donder, matematico e fisico belga 61 Erwin Schrödinger, fisico e matematico austriaco 7) Jules-Emile Verschaffelt, fisico belga 8) Wolfgang Pauli, Rsico austriaco 9) Werner Heisenteng, faico tedesco 10) Ralph Fowler, fisico e astronomo britannico 111 Léon Brillouin, fisico francese 121 Niels Bolty, fisico e matematico danese 130 Max Born. físico e matematico tedesco 14) Louis de Broglie, físico e matematico francese 150 Arthur Compton, fisico statumberrae 16) Paul Dirac, fisico e matematico britannico 17) Hendrik Anthony Kramers, fisico olandese 180 William Lawrence Bragg, fisico-britannico 190 Martin Knudsen, fisica danese 20 Peter Debye, chimica, fisico e ingegnere olandese 21) Irving Langmuir, fisico e chimico statunitense 22) Max Plank, Esico tedesco 231 Marie Curie, chimica e fisica polacca, naturalizzata francese 24) Hendrik Loventz, fisico olandese 25) Albert Einstein, fisico e filosofo tedesco 26) Paul Langevin, fisico francese 27) Charles-Eugène Guye, fisico svizzero 280 Charles Thomson Rees Wilson. fisico britanesco 29 Owen Richardson, fisico inglese

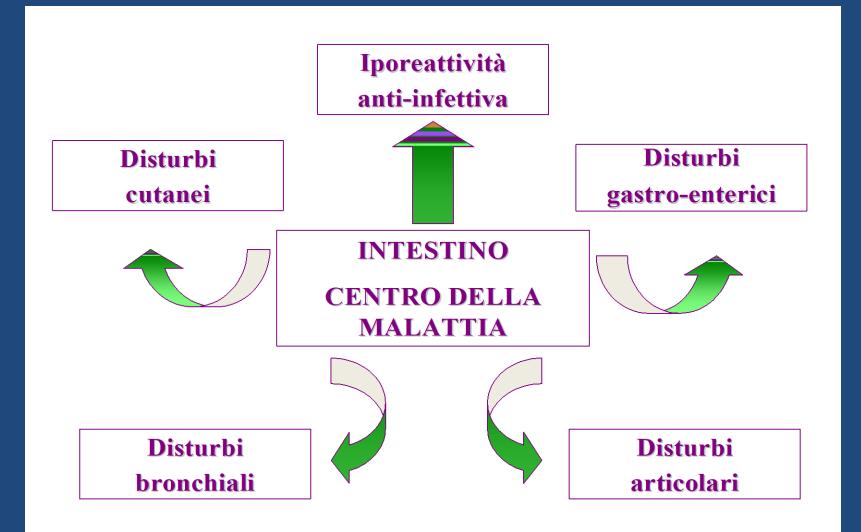
## THE SCIENTISTS ALSO CAN TELLE LIES













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### CHE COS'È IL MICROBIOTA

L'insieme dei **microrganismi** (*batteri*) presenti nell'intestino. L'insieme dei geni dei microrganismi stessi forma il **microbioma**. Il **microbiota** di un individuo si insedia a partire dalla nascita, nei primi **4-36** mesi di vita, a seguito del contatto con i genitori e l'ambiente esterno e contemporaneamente allo sviluppo di un sistema immunologico intestinale

## **100** mila miliardi I batteri dell'intestino

### LE FUNZIONI PRINCIPALI

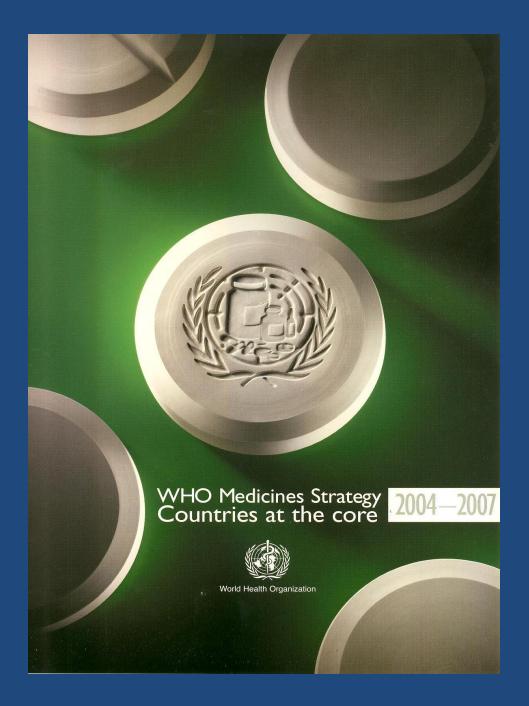
- Barriera contro la proliferazione dei patogeni
- Regolazione della maturazione del sistema immunitario e sua modulazione

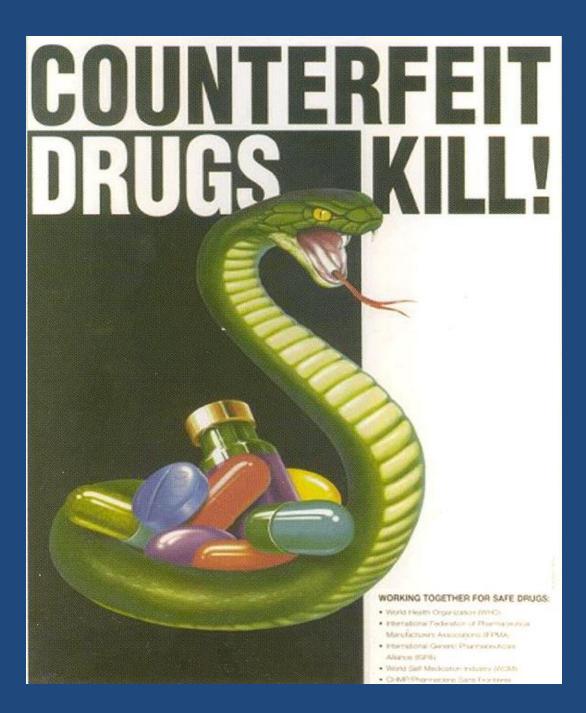
L'industria Le grandi multinazionali stanno spostando investimenti nel settore delle medicine intelligenti

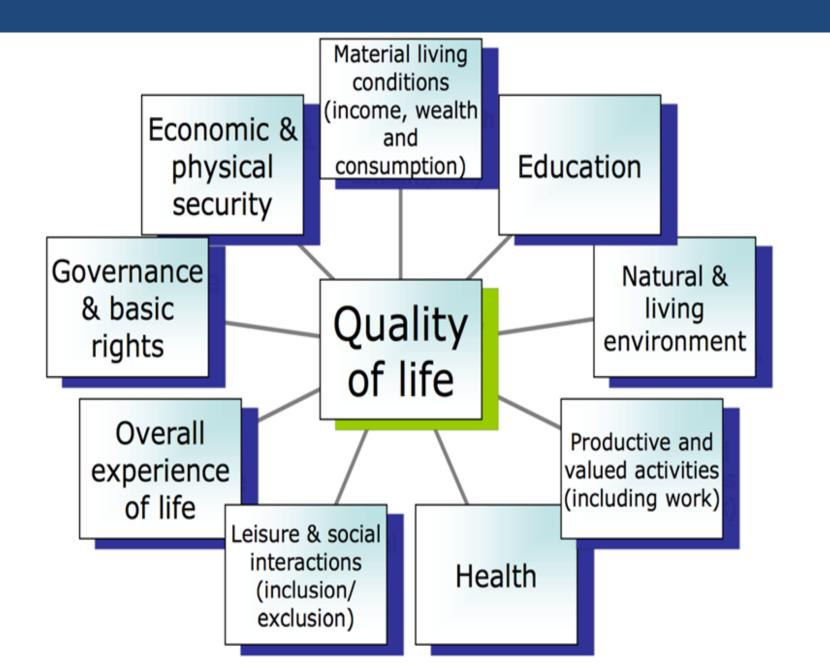
Avanguardia I Paesi più avanzati sono gli Stati Uniti, soprattutto grazie ai laboratori di Boston, e la Gran Bretagna

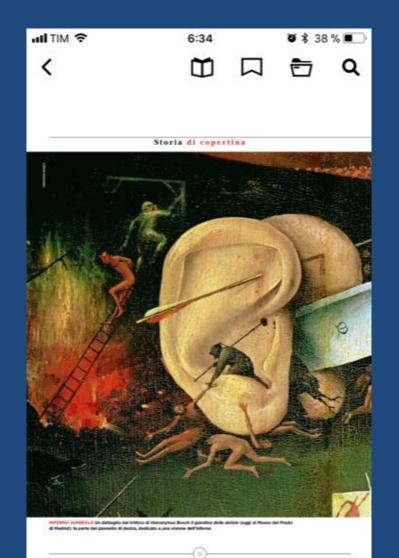
## L'avanzata dei farmaci personalizzati

		che non rispondono a una classe di farmaci
Anti-depressivi	38%	<u>ŧŧŧŧŧŧŧŧŧŧ</u> ŧŧ
Anti-asmatici	40%	<u> tittittittitti</u>
Contro il diabete	43%	<u>ŧŧŧŧŧŧŧŧŧŧŧŧŧ</u>
Contro l'artrite	<b>50%</b>	trrttttriftig
Contro l'Alzheimer	70%	<u>İİİİİİİİİİİİİİİİİİİİİİİİİ</u>
Contro il cancro	75%	ŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢ
		CORRIERE DELLA SERA

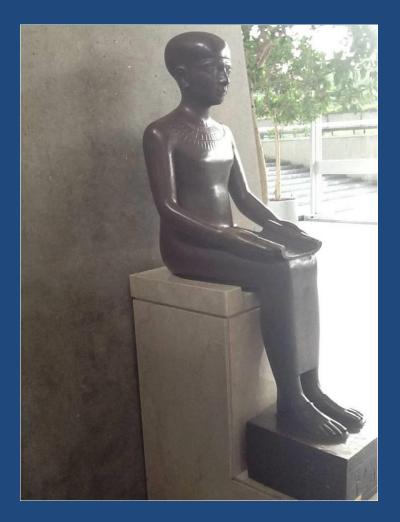


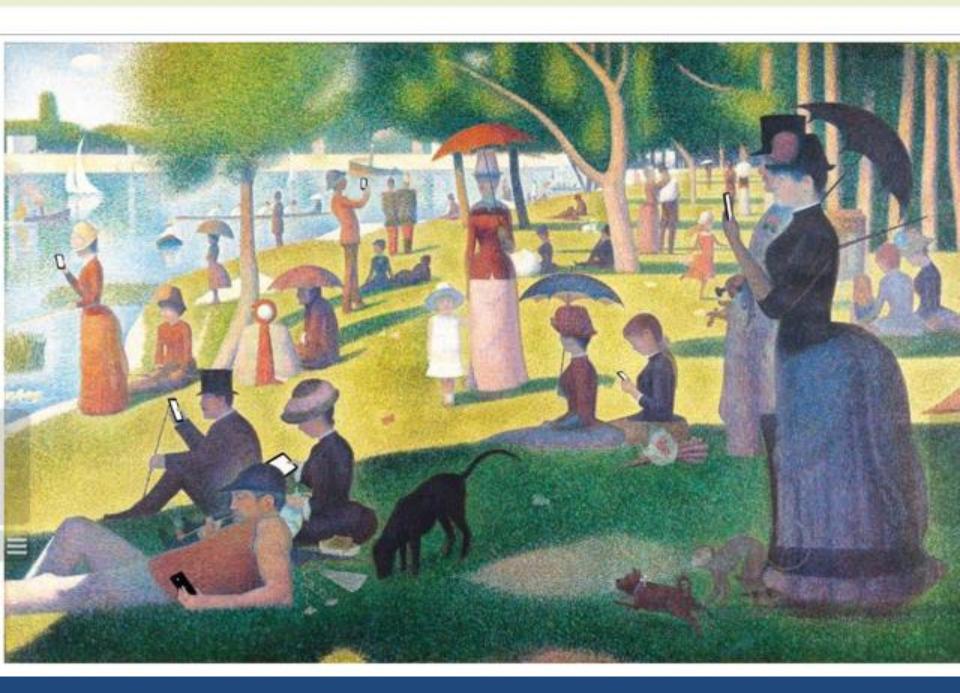


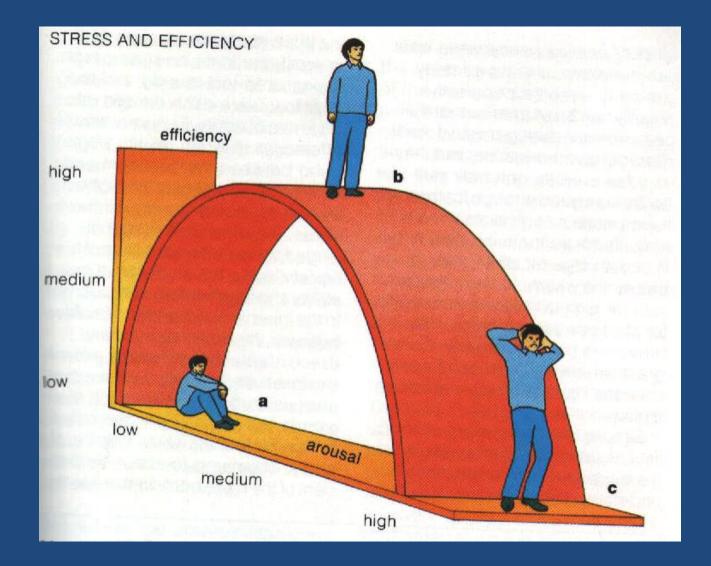


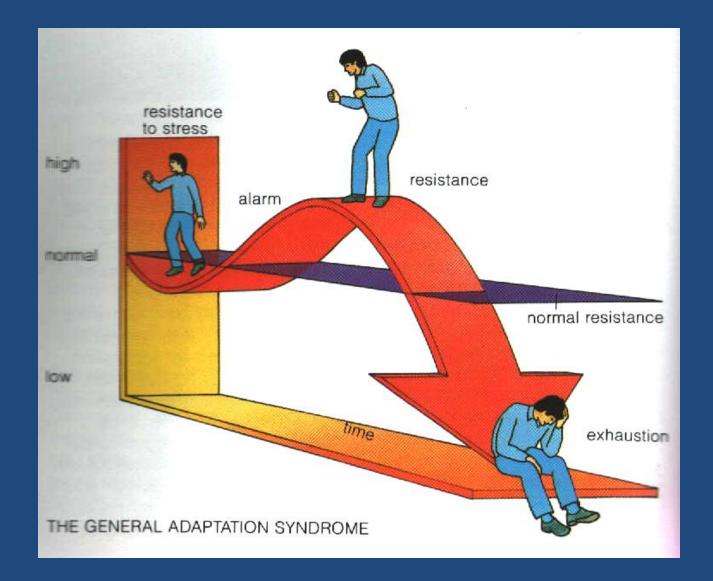


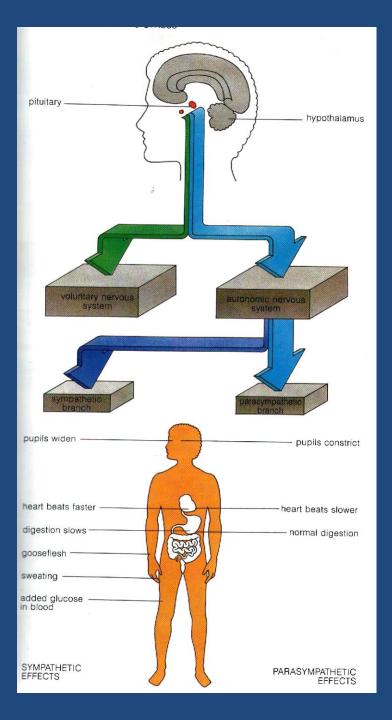












### Le reazioni fisiche dello stress

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## **Insonnia e web** Relazione pericolosa



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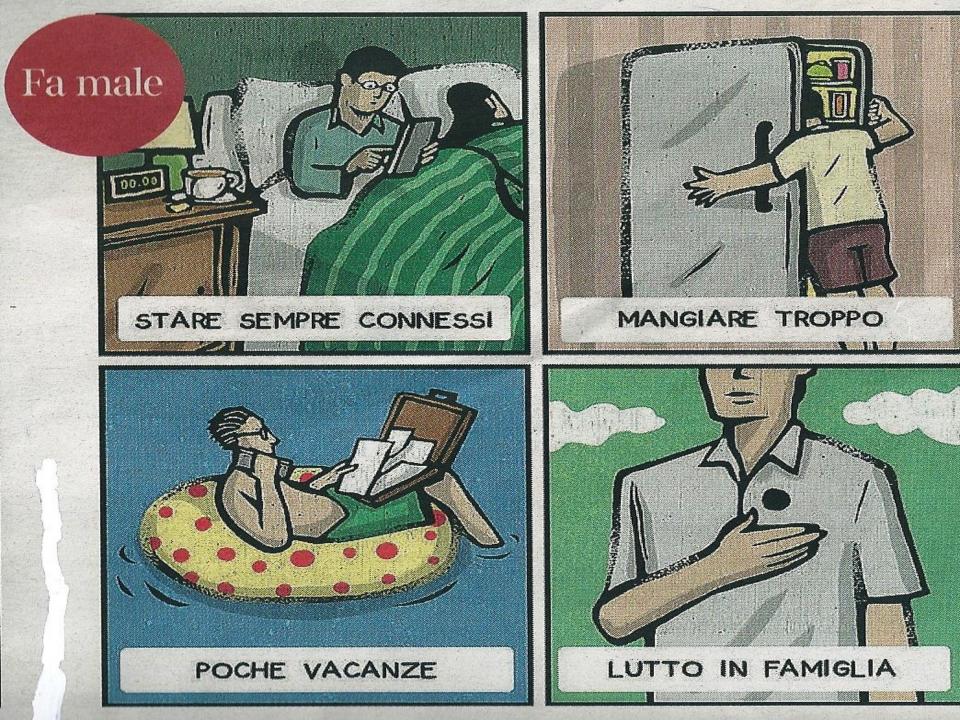
**Circlife** 

Archivio

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Supplementi

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### Sonno, sogni, insonnie

STRATEGIE CLINICO-FARMACOLOGICHE, TERMALI E DI MEDICINA COMPLEMENTARE

UNIVERSITÀ DEGLI STUDI DI MILANO CATTEDRA DI TERAPIA MEDICA E MEDICINA TERMALE CENTRO DI RICERCHE IN BIOCLIMATOLOGIA MEDICA BIOTECNOLOGIE – MEDICINE NATURALI CENTRO DI RICERCHE IN TALASSOTERAPIA DIRETTORE: PROF. UMBERTO SOLIMENE



WORLD HEALTH ORGANIZATION COLLABORATING CENTRE FOR TRADITIONAL MEDICINE

Patrocinio



FEDERAZIONE MONDIALE DEL TERMALISMO E CLIMATOTERAPIA (FEMTEC)

ASSOCIAZIONE EUROPEA DI MEDICINA DEL BENESSERE (AEMeB)

ASSOCIAZIONE ITALIANA CENTRI BENESSERE (AICEB)

Gruppo

**CENTRO DI FORMAZIONE ACCREDITATO** 

In frontespizio: TAMARA DE LEMPICKA La Dormiente 1933, Collezione privata, New York 6, 7 e 8 Giugno 2008 Bagno di Romagna Terme (FC)

in collaborazione con Grand Hotel Terme Roseo Grand Hotel Terme della Fratta 09:59

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LUNEDI IN SETTEMBRE 2017

## MILAN

### **CORRIERE DELLA SERA**

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Cinema

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DOMESSION &

Lawrence Osborne «Il mio Oriente a tinte noir» d Alexandro Beretta a paraina 28

Scrittori

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Novità e ritardi

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### Il mistero della ricca londinese scomparsa Ritrovata dopo 6 mesi, viveva da clochard

#### Andres Galli

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Vittima di un black-out Sono confusa, non se ancora spiegarni cosa sia successo. o soltanto che ho sempre visatio solle i pertici del centro e tanti passanti milanesi volevano sistarni

stitche combattens in Valoras, steames insperse transmerrate di Milla ter tette da porsati l'angli pedeck. E prime, anti la scoppute dall'Unicia, diversato cittadino indiane e odopro di una società di investigicienti, corresva la seconda, meta las tran, da literito errigente a Latodra simh i menddort or minterissionernde reporting a magazine insurence buddle. CONTRACTOR PLANET & F.

L'abuso di farmaci L'esperto: è il lavoro la prima causa di stress, precari e manager cinquantenni le categorie piti a rischio Sonniferi, cento pillole al minuto

Ecco come dorme Milano: allontanandosi dal centro il consumo dei medicinali cala del 17%



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La cacciatrice di filastrocche «Un repertorio di 15 anni grazie ai racconti dei nomni» Londrer 11 Pegnard







#### SOUTHTANKS IN LETTING Serve più rispetto . Nas Con ut post n 20 per i Giardini

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«Ma la notte rivela meglio la vera vita delle persone» I Simona Rentinga

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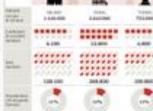
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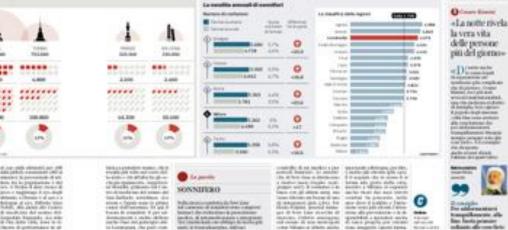
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## Come sta il tuo sonno?

### Scoprilo in occasione della Giornata Mondiale del Sonno

#### PRENOTA LA TUA VISITA GRATUITA per SABATO 17 MARZO

in uno dei Centri Maugeri che aderiscono all'iniziativa, telefonando al numero

### 800 909646

IRCCS VERUNO - Novara IRCCS LUMEZZANE - Brescia ICS MILANO CLEFI IRCSS PAVIA IRCCS MONTESCANO - Pavia IRCCS CASSANO DELLE MURGE - Bari ICS MARINA DI GINOSA - Taranto

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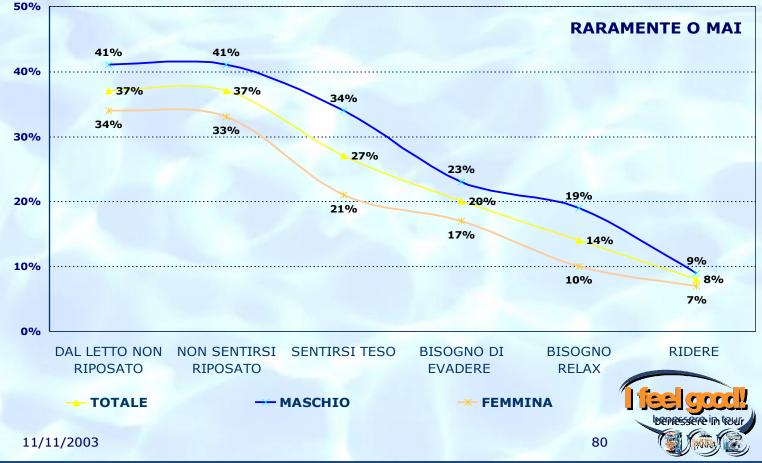
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### LA REDEMPTION

località	spettatori mas	terclass	totale
• BARI	711	175	886
BOLOGNA	227	117	344
CATANIA	519	53	572
GENOVA	475	158	633
MILANO	608	88	696
• ROMA	378	91	469
• TORINO	597	114	711
	387	41	428
Totale	3.902	837 4	4.739
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### PROFILO DELLE CLASSI DI BENESSERE SINTESI DEGLI ITEM DI CONTROLLO DELLO STRESS



### $\Rightarrow$ S C E N A R I O of the past two decades

The types of diseases have changed

- $\Rightarrow$  The global population is ageing
- $\Rightarrow$ Traditional Medicine has shown its efficacy in some areas:
- mental health
- prevention of disease
- treatment of non-transmittable disease
- improvement in the quality of life for that part of the population approaching old age.

## Declaration of Alma Ata, 1978

- Health for all means that "health must be accessible to all people in all countries. Health means a state of well-being of the individual and not merely the availability of health services – a state of health that permits the individual to lead a socially and economically productive life"
- Primary Health Care (PHC) is defined as the instrument to reach the goal of Health for All.
- Primary Health Care means "essential health care made universally accessible to individuals and families in the community through their full participation and at an affordable cost"



## What is Health? (WHO Def.)

- English Health is a state of complete physical, mental, and social well-being and not merely the absence of disease or infirmity
- French La sante est un etat de complet bien-etre physique, mental et social, et ne consiste pas seulement en une absence de maladie ou d'infirmite
- Russian Здоровье является состоянием полного физического, душевного и социального благополучия, а не только отсутствием болезней и физических дефектов

## THE "IDEA" OF HEALTH

### Static : No illness

*Dynamic* : a sum of initiaves to suit our life styles at the different situations of lyfe *Static conception of* the thermal center ( only a list of therapeutic treatment *Dynamic Conception:* different integrated treatments as " a ways"; for an open concept of *wellness* that does nt exclude thermal treatments

## <u>WELFARE STATE</u> A State that cares for and treats illness

*Citizen-user of the health service: passive role* 

WELFARE COMMUNITY a participating community active role: If we fall ill, we become partners in the care. If we are healthy, our action of individual prevention becomes beneficial for the community as a whole.

### The Minister of Health (Italy)

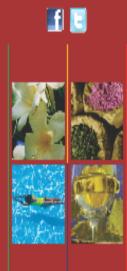
 "The present demographic and epidemiological conditions, characterized by an ageing population and by the increased prevalence of chronic diseases, have called for a reorganization of the National Health Service, involving a change from traditional "waiting" medicine to "initiative-based" medicine, focused on prevention of disease onset and worsening. Hydrotherapy falls within this framework, allowing a diversified range of secondary and tertiary prevention measures for lots of diseases that can benefit from it, and playing an outstanding role in limiting or delaying the development of severe dependencies and preventing the onset or worsening of certain illnesses"

The current demographic and epidemiological structure, characterized by an ageing population and by the increase in chronic disorders, has imposed on the NHS to review its organization, changing the traditional way of practising medicine from "waiting for" diseases to appear to a medicine that "takes the initiative" with emphasis on preventing the on set of disorders and their chronicity. Medical hydrology has an important role in this very sphere because it offers a diversified array of secondary and tertiary prevention measures for the many disorders that benefit from SPA treatments, and because it plays an important role in delimiting or delaying the development of severe conditions that entail the loss of selfsufficiency and in preventing he on set or worsening of disorders.

• Therefore, while the influential *British* Medical Journal offers (2011) the new definition of health as the *"ability to adjust*" and to control oneself when facing social, physical, and emotional challenges" vs. the classical one of the WHO of "thorough physical, mental, and social wellbeing", an attempt to go through the concept of wellbeing is needed today, also considering the needs of a more and more customized medicine. Thus wellbeing of the body, as well as of the soul.



Via Loreta, 238 47032 Fratta Terme Bertinoro (Forlì-Cesena) tel. 0543 460911 / fax 0543 460473 www.termedellafratta.it\_info@termedellafratta.it\_



L'evento sarà visibile in streaming sabato 5 Maggio sul sito web WWW.THERMAECAMPUS.IT



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## WORLD HEALTH ORGANIZATION

## COS'È DAVVERO **il Benessere ?**





- Moreover, "being well" does not always mean "feeling well" (Scarcella 2010). Hence the inability of traditional indicators to describe, alone, the health status of a population, as well as of an individual.
- The concept of wellbeing is then expanded from a solely subjective vision to the dimension of the social space, resulting from a process of interaction and mutual influence between individual and community wellbeing (Pizzi, Provasi 2010).

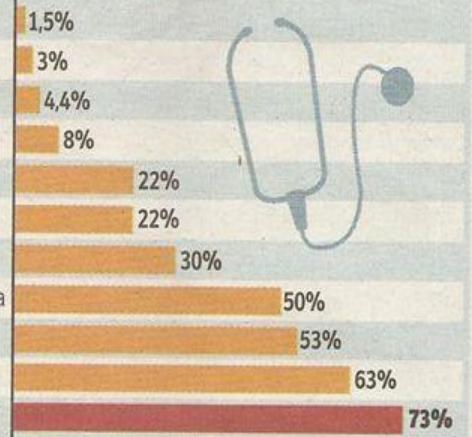
## TÔ MEASURE THE HAPPYNESS

# Il metro della felicità

# Che cosa dice lo studio «Salute e Benessere nell'Anziano»

Qui sotto i principali dati emersi dallo studio SeBA (Salute e Benessere nell'Anziano), condotto su circa 1.500 anziani (sopra i 65 anni) di tre Asl di Nord, Centro e Sud; il questionario è stato proposto dal medico di medicina generale durante una visita ambulatoriale, nella maggior parte dei casí (50%) per prescrizione routinaria di farmaci e solo nel 13% per malattia o problemi di nuova insorgenza

- Vive con una badante
- Riceve aiuti socio-sanitari a domicilio
- Lamenta problemi rilevanti all'udito
- Lamenta problemi rilevanti alla vista
- È molto soddisfatto della propria salute
- Soffre di solitudine
- Lamenta problemi rilevanti di memoria
- È abbastanza o molto soddisfatto della propria vita
- Giudica il proprio reddito adeguato
- Esce di casa quotidianamente
- Sta davanti alla televisione almeno 3 ore al giorno



D'ARCO





# Healthy Ageing



PRACTICAL POINTERS ON KEEPING WELL





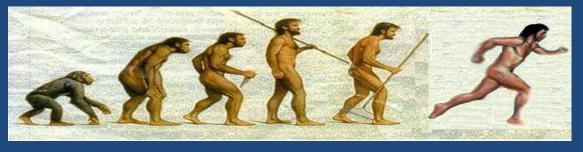
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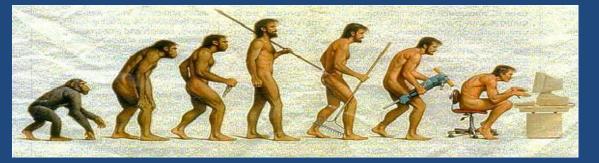
## THE MAN EVOLUTION





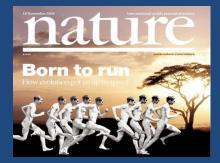
# OUR PAST BORN TO RUN





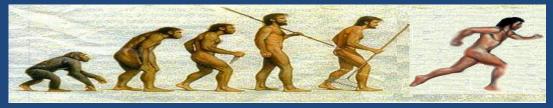
## AS WE WERE

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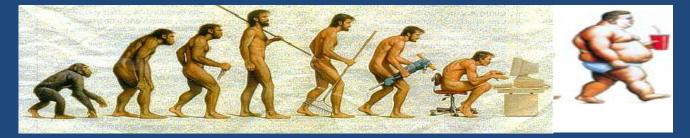
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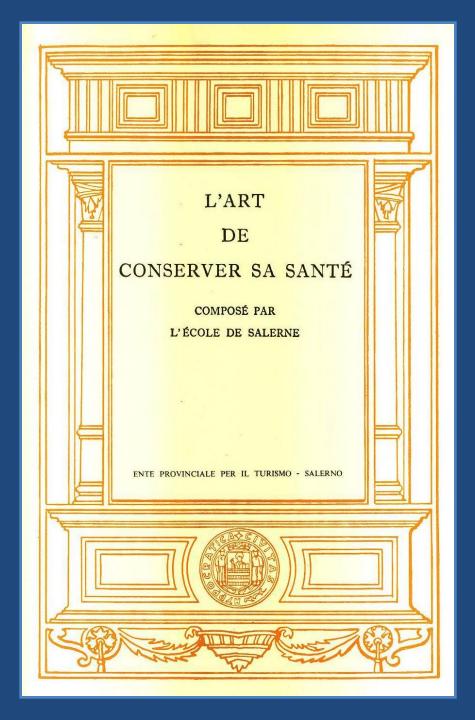
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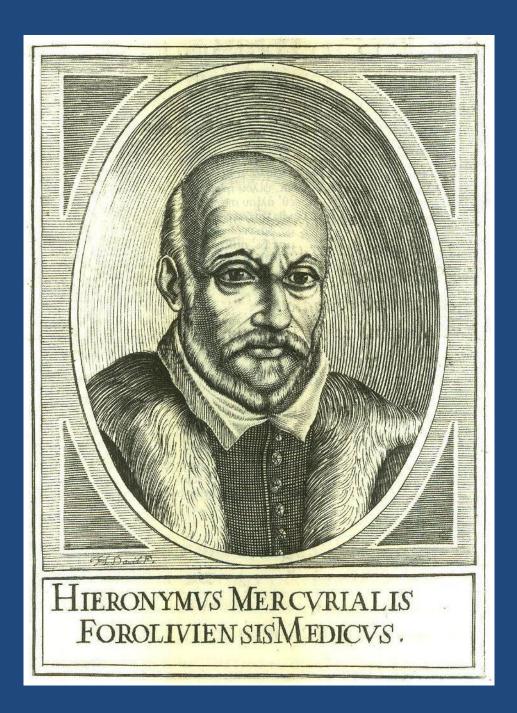
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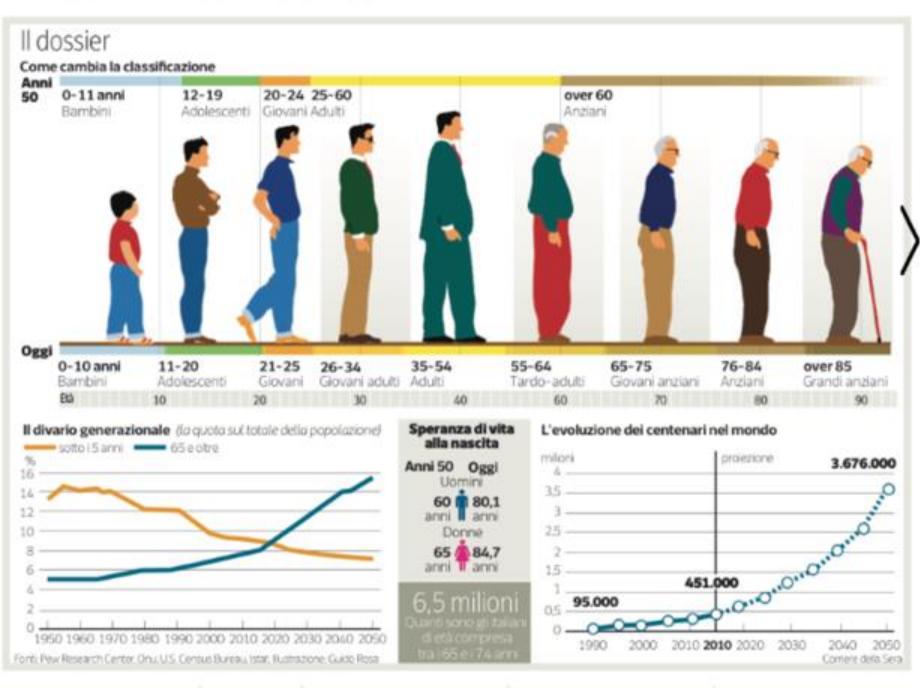
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LEO S. OLSCHKI FIRENZE MMVIII



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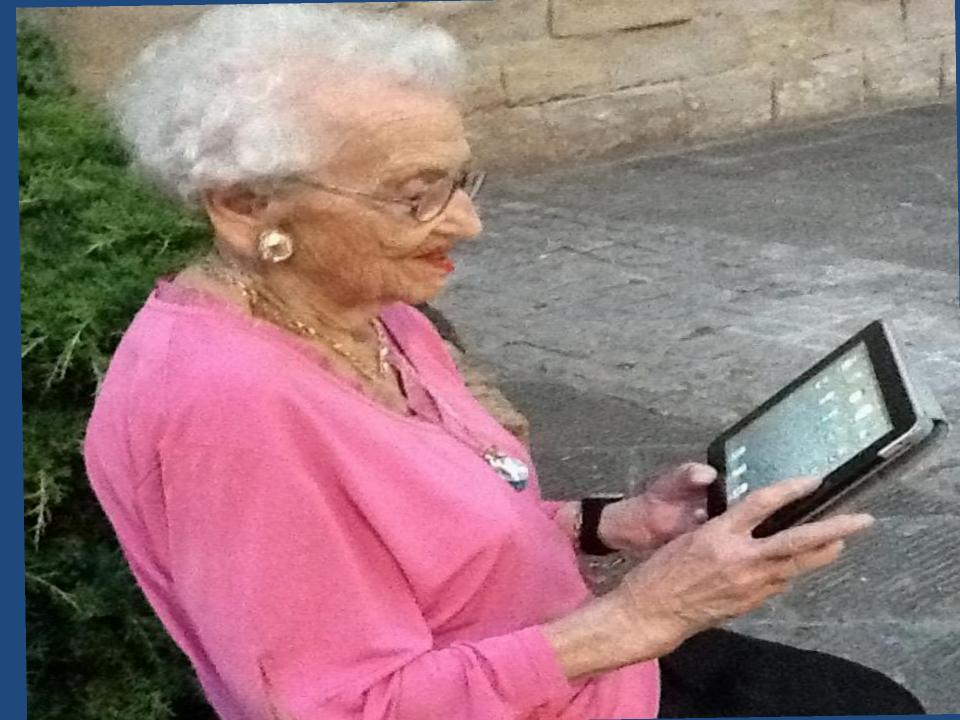
Inflation's welcome return

JANUARY 14TH-20TH 2017

# Lifelong learning

# How to survive in the age of automation

A SPECIAL REPORT





AVENUE WENTLAN ACTINA MALES

Older folks pushing hoby strollers have been a common sight in Charack lance and parks for a long time.

Thread photo (above) shows a grandfather taking his grandson for a walk to Deijing's Jingshan Park jy 1964.

In the recent phote (right), an elderly woman walks her pet degram a snowy need in Jinan. Sharelong provincy in 3015. Two of the dogs are in a baby stratler, and all of her dogs are wrapped in tailor-made ciplies.

COLOR OF MALLOW AND A

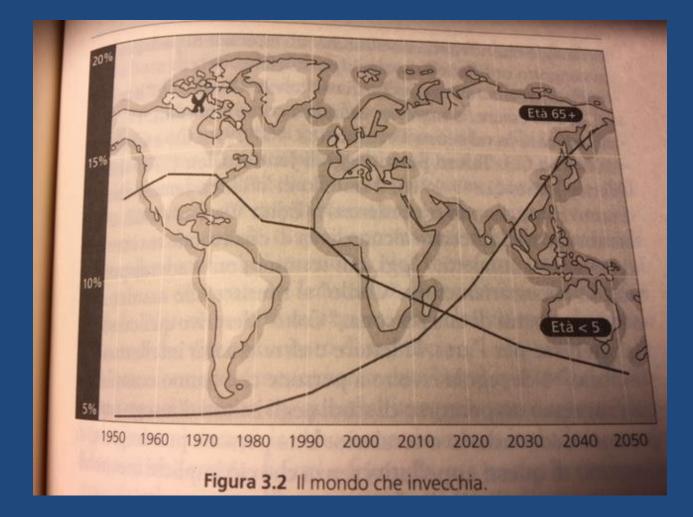


WENLUZ FOR CHINA SAILY

## **Development Trends of Hot Springs in China**

## China's ageing population proportion and growth trend

Year	The aging level (The proportion )	Old people over 60 (million)	The average annual growth rate
2010	13.26%	178	3.28% (2011-2020)
2020	17.17%	248	2.6% (2021-2050)
2050	30%	440	



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diffinano ento, espentano ari da

rsali, nalle Corriere della Sera Sabato 25 Marzo 2017



## Controcopertina Famiglie



08:04

### Amorimoderni@corriere.it

### L'armadio segreto e la lezione di mia madre: le donne forti crea

Aprajita è cresciuta in India: sua madre, di professione medico, è sempre stata il suo modello. «Da un lato l'adoravo, dall'altro non l'ho mai capita e, pertanto, mi tenevo sempre sulla difensiva», scrive nel nuovo racconto di Amori moderni che potete leggere online nella 27esima Ora di Corriere It (27esimaora corriere.t) La svolta, nel loro rapporto, avviene quando la ragazza scopre l'armadietto segreto in cui la ciò che aveva a che fare con la propri matrimonio: fotografie in cui appare sorridente, diari con le pagine piene Aprajita sa di aver violato l'intimità di quella vicinanza la cambia: «Imparal mia. Mi trasformò in una donna forte

# Quelli che (dopo gli 80) **non staccano**

d Greta So Il suo m

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### Il libro

 Netl'epilogo del libro Vecchi. foli/ e ribelli (Rizzoli) Giampaolo Pansa dà conto di un campionario tratto dalle cronache, dedicato a persone famose e non

 Da Giovanni Rozzo (103 anni), sardo di Arzachena, che ha ottenuto il rinnovo della patente, allo scrittore triestino Boris Pahor (103, pure fui) che, oltre à scrivere, gira per le scuele d'Italia a

matrimoni anni e ne è grazie a lei suo amante sposato di «ricarica le alfrontare l stacca la sp concedersi la famiglia biancos. La dieci anni r

Marisa Fumagalli

a vita si allunga, così anche le varie fasi si adeguano: infanzia, adolescenza, giovinezza, maturità, vecchiaia... Prendiamo l'ultima, ormai sdoppiata. Terza e quarta età, sempre più popolata da arzilli vecchietti ultra ottantenni e passa, «In effetti, sopra i 75 anni si è anziani, dopo gli 85 vecchi», conferma Giuseppe Bellelli, professore di Geriatria presso l'Università Milano-Bicocca. A occhio, un guadagno in vivacità di circa dieci anni rispetto al passato, «Intendiamoci, lo stile di vita dipende innanzitutto dalla salute. Tuttavia, a parità di condizioni fisiche - osserva l'esperto - ci sono persone rinunciatarie, che tirano i remi in barca, si lasciano andare avviandosì al capolinea. Altre, sempte plù numerose, invece, continuano a progettare, vivono nel presente, sono dinamiche, attive. Anche sessualmente». Tasto delicato.

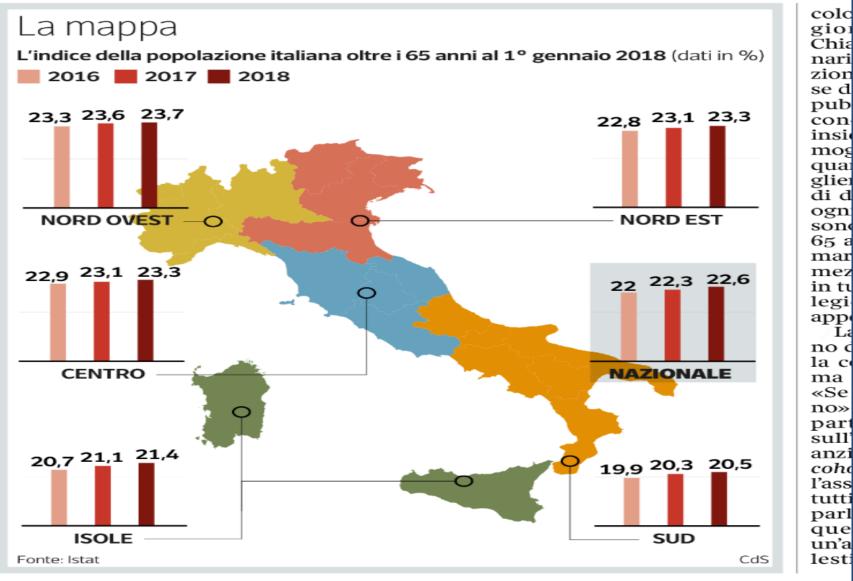


tempi non erano maturi». Che dire dell'ottantasettenne pittore Giancarlo Vitali di Bellano? osserva — è che non tutte le giornate sono uguali. Mi capita di lavorare solo di notte, solavorino sul mio lavoro», Ricorda una disavventura sanitaria; «Mia figlia mi ha detto che, nel-



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# ei pronto a vivere cent anni?

Rer invecchiare bene non si può contare su una pillola «magica». Anzi, molto dipende proprio da noi. Corrette abitudini di vita fin da giovani e, soprattutto, una costante attività fisica e mentale sono/ il vero segreto per una terza età in forma

> Servizio di Elena Meli alle pagine 48-49

> > INCONTRO AL CORRIERE Domani alie ore 18, al Corriere della Sera, dibattito aperto al pubblico sul tema dell'invecchiamento. Per partecipare telefonare alio 02-20.40.03.33 o scrivere a Incontricorrieresalute arcs.it Per inviare le domande da rivolgere agli esperti scrivere a salute acorriere.it



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Corriere della Sera Domenica 17 Settembre 2017

# Arrivare a 140 anni. business di lunga v

Vivere fino a 140 anni può essere un sogno o un incubo (dipende dai punti di vista). Di sicuro è già un business, che avrà enormi implicazioni etico-sociali, battuto non solo dalle multinazionali della farmacia ma anche dai giganti della Silicon Valley, guidate da condottieri giovani, visionari e con grandi disponibilità finanziarie. L'Economia, in edicola domani con il Corriere della Sera, ha ricostruito un quadro della situazione e delle iniziative sul campo. Si va da Novartis, che ha appena ricevuto Tautorizzazione per una cura contro la leucemia che costa oltre 400 mila dollari, alle startup tenute a battesimo da Google e da altri nomi della tech community californiana, con dotazioni già superiori al miliardo di dollari per dare battaglia alla vecchiaia e per scovare l'elisir di quasi eterna giovinezza.

Di ricostituenti e di idee brillanti hanno bisogno anche le aziende italiane, capaci di farsi valere quando la competizione globale è per pesi piuma, ma sempre più escluse se la taglia diventa grande. Che cosa si può fare per giocare meglio la carta delle dimensioni? Chi sarebbe nelle condizioni di raddoppiare il fatturato? Tra le storie di chi lavora per farsi conoscere e per crescere ecco quella della famiglia Astaldi, che costruisce la metro di Milano e che oggi in

Clle sta lavorando al progetto Firan. Dopo l'elezione di Trump moda femminile. Ma il del telescopio più grande del il clima internazionale è cam- più popolare negli arr mondo. Poi ci sono gli ultimi piani della famiglia Preve, proprietaria del Riso Gallo e arrivata alla sesta generazione in azienda. Ferruccio de Bortoli, invece, affronta una vicenda

Guida alla lettura

E il colore

dedicata alle inchieste

e agli approfondimenti

atfidati alle grandi firme

Blu

della sezione

internazionali

La copertina

a 140 anni é già un business

Ecoboli

dell'«Economia»

biato, e la partnership di cui si è tanto parlato mesi fa rischia di rimanere solo un progetto.

Mentre nel capoluogo lombardo si chiude la prima edizione di XI, la manifestazione condo di Borsalino: il ca singolare: la paralisi di 30 mi- che ha provato a unire il sisteliardi di investimenti destinati ma creativo nazionale, iniziano da diverse imprese italiane al- le sfilate della settimana della

quello tra H&M e Zara. multinazionali della n basso costo che fa tendi qualche volta, incrocia la di alta gamma. Poi c'è l'a di Bogart, il prodotto it più famoso nella Holly degli anni ruggenti, è ora



Storie di grandi aziende e Pmi oltre alle novità



Pagina 28 Borsalino, Il cappello di Bogart, gestito dal finanziere

Pagina

talo-svizzero Camperio

Il matto mappa ( in ripres



Pagina 4

da imprese italiane all'Iran

Un sogno o un incubo, dipende La paralisi di 30 miliardi

dai punti di vista. Ma vivere fino di investimenti destinati

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## L'inchiesta

Arrevare fino a 140 anni e la grande «fida, con implicazione etiche e sociali difficili da immaginare. Ci investono non solo i big della farmacentica tradizionale, come Novartis che ha appena sdoganato una cura da 475 mila dollari contro la leucemia, ma anche i giganti tech, tutti guidati da givvani visionari. La Calico di Google e la startup di Susan Wojcicki hanno già un miliardo di risorse da destinare alla hattaglia contro la vocchiaia. E anche Zuckerberg\_

#### i Stafana Agneli



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> Un farmaco costa in media 10 anni di ricerca e 2.5

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SEMPRE

C'è chi spende 8 mila euro per trasfusioni

di sangue







Для улучшения пищеварения я пью ПИВО,... при отсутствии аппетита я пью БЕЛОЕ ВИНО, при низком давлении - КРАСНОЕ, при повышенном - КОНЬЯК, при ангине - ВОДКУ.

- А воду?...
- Такой болезни у меня еще не было.

Лауреат Нобелевской премии, ученый-биолог **Рита Леви-Монтальчини** скончалась на 104-м году жизни.



10:25

Toronto e New York, Varsavia e Akita, ma anche Udine e Imperia Nella rete delle metropoli amiche dei più longevi, voluta

Nessuna SIM



Corriere della Sera Glovedi 6 Aprile 2017

## CRONACH

1. 20.30





## Preventive Care Center, esp. for Senior Citizen (Toyama)

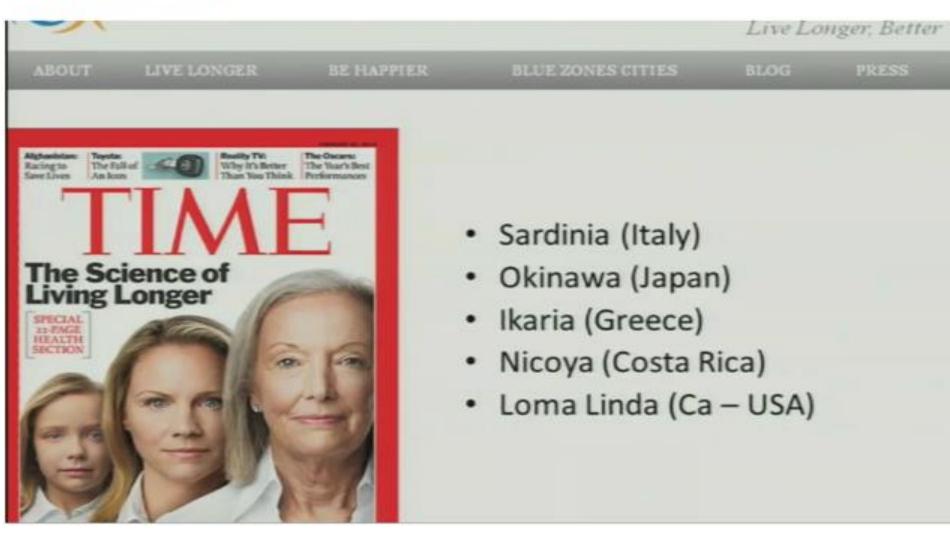








## Invecchiamento







## G7 Side Event Milano - Innovazione e Ricerca per I Invecchiamento

# Centendians III Italy

# As of January 1st, 2017, in Italy

- 100+ (centenarians) were 17,630 (F:14,719; M: 2,911; 5:1) out 60,589,445 living individuals (1:3,437 living individuals);
- 105+ (semi-supercentenarians) a subgroup of 100+, were 878 (in 2015) (1:69,243 living individuals)

 110+ (supercentenarians) an even smaller subgroup, were 13 (1:4,660,726 living individuals)

according to the data base from ISTAT, the Italian National Institute of Statistics (Statistics INIo 2017. ISTAT.www.istat.it/en/products/databases).

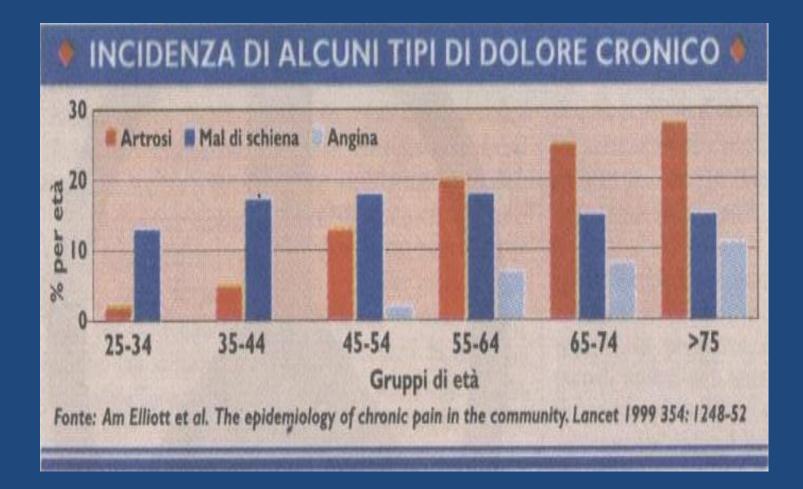
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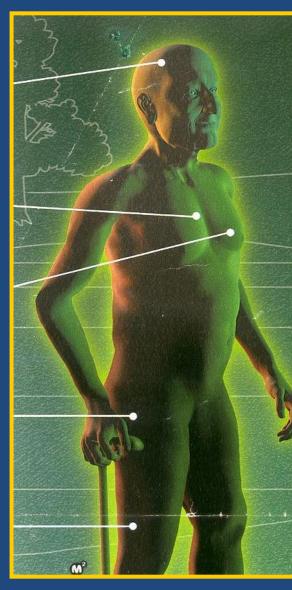
mediaportal.regione.lombardia.it

G7 Side Event Milano - Innovazione e Ricerca per I Invecchiamento

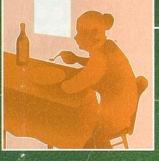
- Environment/lifestyle (> 50-70%)
- Genetics/Familiarity (~ 25%)
- Stocasticity (%?) difficult to measure and quantify
  - There is a continuous GxE interaction which is context-dependent







#### > REGOLE E STILI DI VITA PER DIVENTARE UN ANZIANO DI SUCCESSO



### ALIMENTAZIONE

La dieta ideale prevede 25% di proteine (privilegiando pesce e carni bianche), 25% di grassi (con una forte quota di oli vegetali) e 50% di carboidrati. Indispensabile la riduzione dell'apporto calorico: sopra i 60, bastano 1.700-2.200 calorie. Per idratarsì, 2-3 litri d'acqua al giorno (compresa quella contenuta nella frutta).





Razza, sesso, educazione, stato sociale, personalità ecc.: sono i fattori personali coinvolti nell'invecchiamento assieme a quelli ambientali (casa, lavoro, trasporti, attività sociali e di comunità, famiglia...). Un anziano che perde una persona cara ha un rischio molto maggiore d'ammalarsi rispetto a un coetaneo.

### **ATTIVITÀ FISICA**

La forma fisica è soggetta a un declino medio dell'8-9% per decade di vita. I soggetti che praticano attività sportiva a livello amatoriale riducono tale declino a un 5%, quelli allenati fino al 3%. Secondo uno studio, l'esercizio moderato e continuativo riduce pure il rischto d'ammalarsi di Alzheimer del 38%.



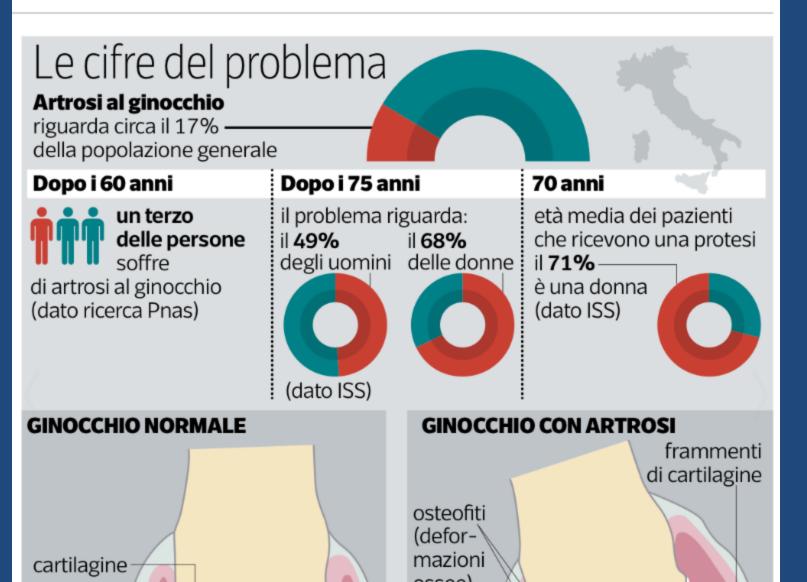
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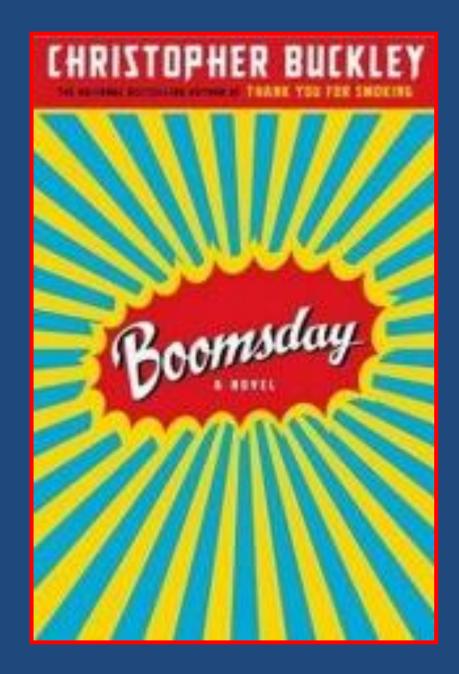
## <

nali, per esempio non si flette o si a gamba, è bene parlarne al vale se il dolore non passa con diagnostico: il 90% delle artrosi si riconosce, rapidamente e con poca spesa, con i raggi X».

E.M.

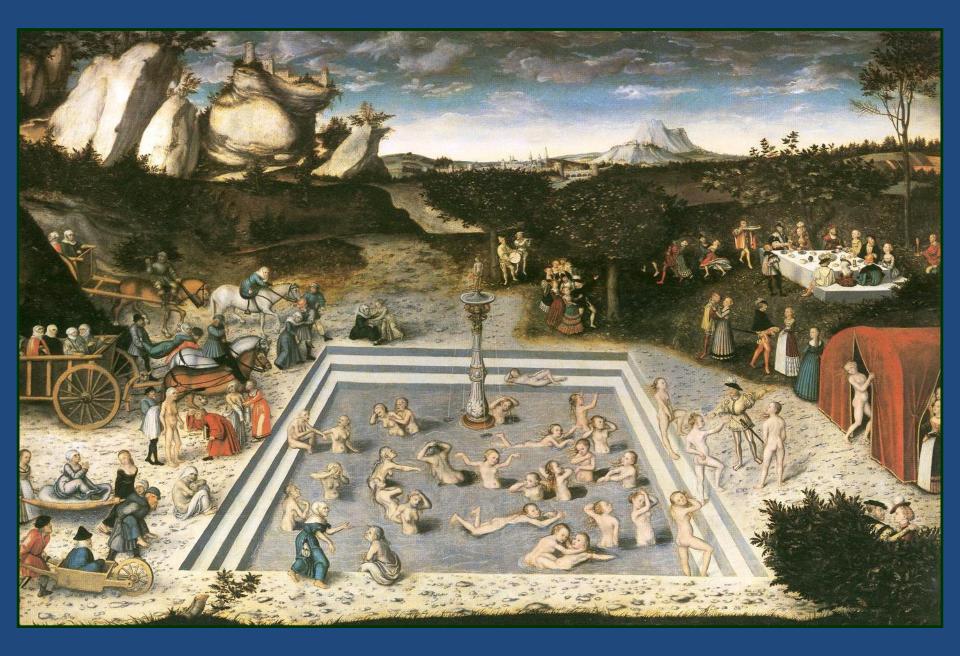
Q





# «Pensionati, suicidatevi»: un libro agita gli Usa

La profezia satirica sui «baby boomers» dell'ex consulente di Bush padre Villaggi per anziani incendiati, vecchietti assaltati sui loro campi da golf







#### UNIVERSITÀ DEGLI STUDI DI MILANO CATTEDRA DI TERAPIA MEDICA E MEDICINA TERMALE CENTRO DI MICERCHE IN BIOCLIMATOLOGIA MEDICA BIOTECNOLOGIE – MEDICINE NATURALI CENTRO DI NICERCHE IN TALASSOTERAPIA DIRETTORE: PROF. UMBERTO SOLIMENE

13



WORLD HEALTH ORGANIZATION COLLABORATING CENTRE FOR TRADITIONAL MEDICINE

Patrocinio



FEDERAZIONE MONDIALE DEL TERMALISMO E CLIMATOTERAPIA (FEMTEC)



ASSOCIAZIONE EUROPEA DI MEDICINA DEL BENESSERE (AEMeB)



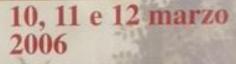
ASSOCIAZIONE ITALIANA CENTRI BENESSERE (AICEB)

Frontespizio: La fontana della giovinezza Affresco del 1425 circa Castello della Manta (Cuneo) marzo 200

Romag<mark>na Term</mark>e

in collaborazione con Grand Hotel Terme Roseo

# Antiageing TECNICHE TRADIZIONALI, MODERNE, TERMALI



### Bagno di Romagna Terme

in collaborazione con GRAND HOTEL TERME ROSEO

#### PROGRAMMA VENERDI 10 MARZO

Ore 19,00 Arrivo a Bagso di Romagna Terme Sistemazione presso Grand Hotel Terme Rosen Ore 21,15 Introduzione al tema

SABATO 11 MARZO Ore 9,30 - 13,00 Seduta scientifica Ore 14,30 - 16,00 Seduta scientifica Ore 16,00 - 20,00 Esercitacioni pratiche

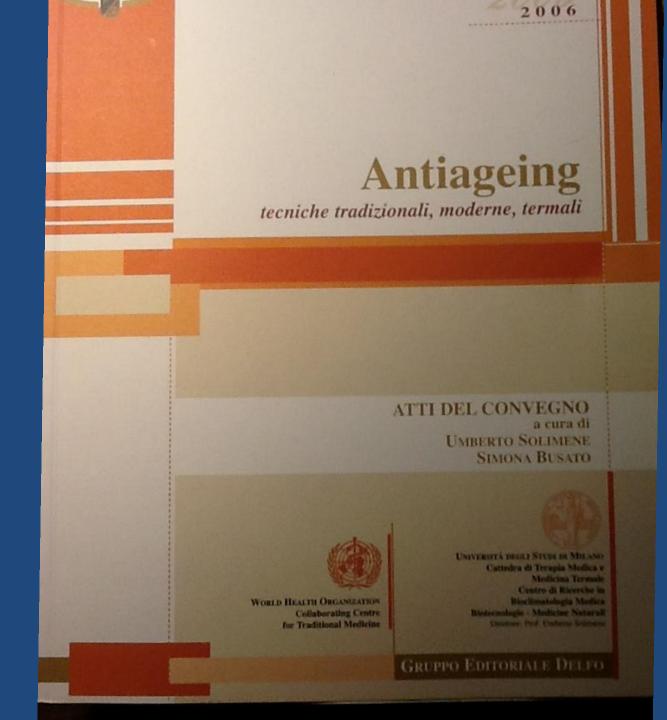
DOMENICA 12 MARZO Ore 9,30 - 11.00 Discussione e conclusione Ore 11.00 - 13.00 Percorsi termali e tecniche di ritamaniento

#### PROGRAMMA SCIENTIFICO

VENERDI 10 MARZO PALAZZO WAZ, CAPILSO Ore 21,15 Introduzione al Irmu F. ZASBONISI "Git areps dei distarbi seconali della donna nelle terza età" F. PADIEN "Bioatorgotic moreneni per l'antiagelleg"

#### SABATO IL MARZO

One 9,15 SALCTO DELLE ACTORISA Ore 9,30 U. SOLDARA - F. SOLDENTO Nota introductiva Ore 9,45 - 10,13 G. BUZZI



#### PS DEI DISTURBI SESSUALI DELLA DONNA NELLA TERZA ETÀ"

inim

TRODUZIONE AL TEMA: DENERGETIC MOVEMENT PER L'ANTIAGEING"

1. Padrini

II. "INVECCHIARE DA FORTI: IL MODELLO PSICONEUROIMMUNOLOGICO" pag. 13 G. Buzzi

III. "IL RUOLO DELLA MATRICE NELL'INVECCHIAMENTO" pag. 22 F.G. Albergati

IV. "FITOFARMACI AD AZIONE ANTIAGEING" pag. 27 E. Sangiorgi

V. "GLI ANTIOSSIDANTI NEI PROCESSI DI INVECCHIAMENTO" pag. 36 F.L. Fraschini

VL "STRATEGIE ANTIAGEING IN MEDICINA TRADIZIONALE CINESE" pag. 43 E. Minelli

VII. "TERME E CLIMA: MEZZI NATURALI ANTIAGEING" pag. 48 U. Solimene - V. Condemi

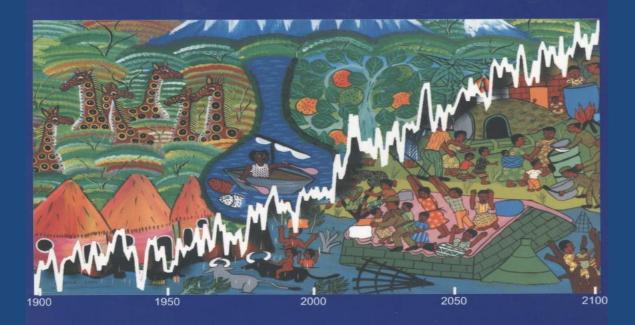
VIII. "TECNICHE DI MEDITAZIONE NELLA PREVENZIONE DELL'INVECCHIAMENTO" pag. 60 A. Brugnoli

IX. "GINNASTICHE MEDICHE DELLA MEDICINA TRADIZIONALE CINESE PER ANTIAGEING" pag. 75 R. Crepaldi

X. "LA RIVITALIZZAZIONE NATURALE DEL VISO CON L'OMEOPATIA" pag. 81 M. De Bellis

### CLIMATE CHANGE AND HUMAN HEALTH

#### RISKS AND RESPONSES



A.J. McMichael, D.H. Campbell-Lendrum, C.F. Corvalan K.L. Ebi, A. Githeko, J.D. Scheraga, A. Woodward, Editors

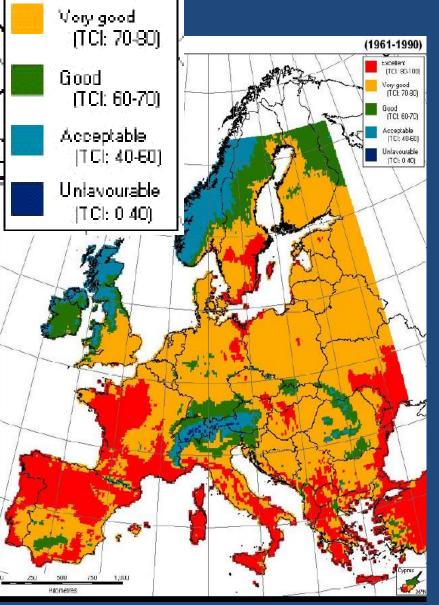






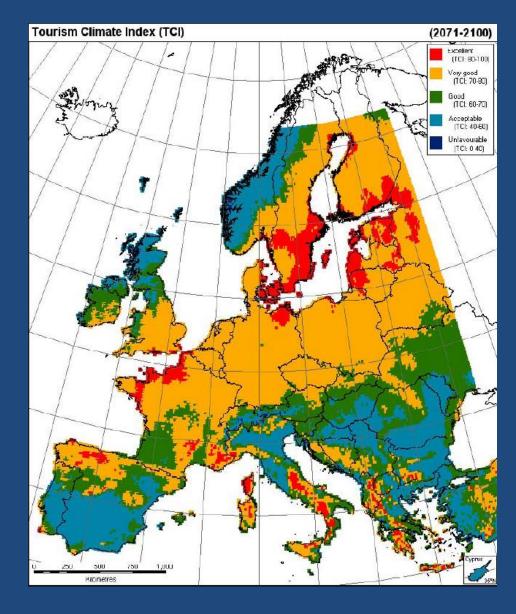


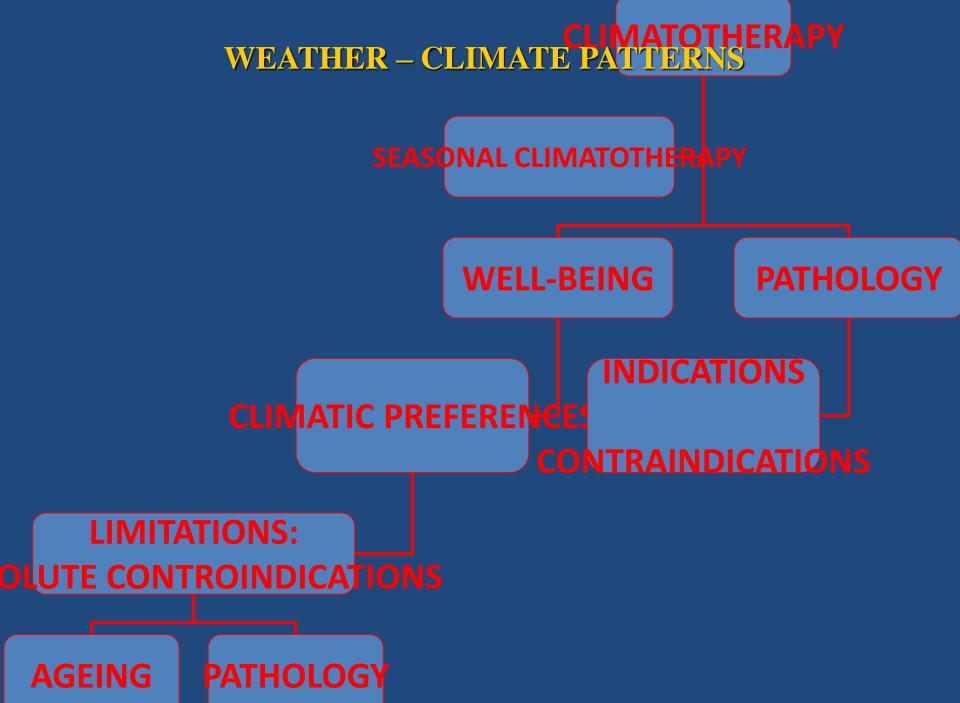




Excellent

(TCI: 80-100)

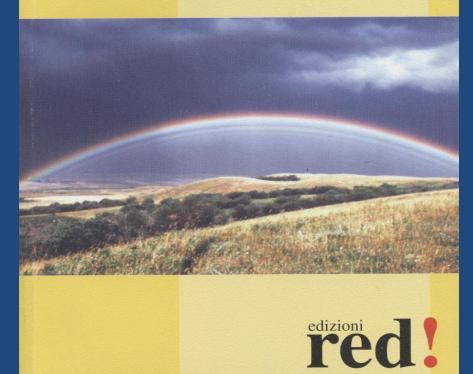




U. Solimene, A. Brugnoli, E. Minelli

# Meteoropatie

*Le condizioni atmosferiche che influis*cono *sulla salute e sull'umore* 

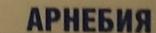


У. СолименеА. БруньолиЭ. Минелли

# метеопатия

Влияние атмосферных условий на здоровье и настроение





## Prova effettiva del riscaldamento del pianeta

# 18th Century 1900 1950 1970 1980 1990 2006

## The world 100 years ago

- POPULATION: 1.7 billion
   LIFE EXPECTANCY: <40</li>
- EXTREME POVERTY: 60%
- FAMINE DEATHS 1890-1930: >33 million

CINY AND

WATER SCARCITY <5%</p>





CONTACT OF STREET

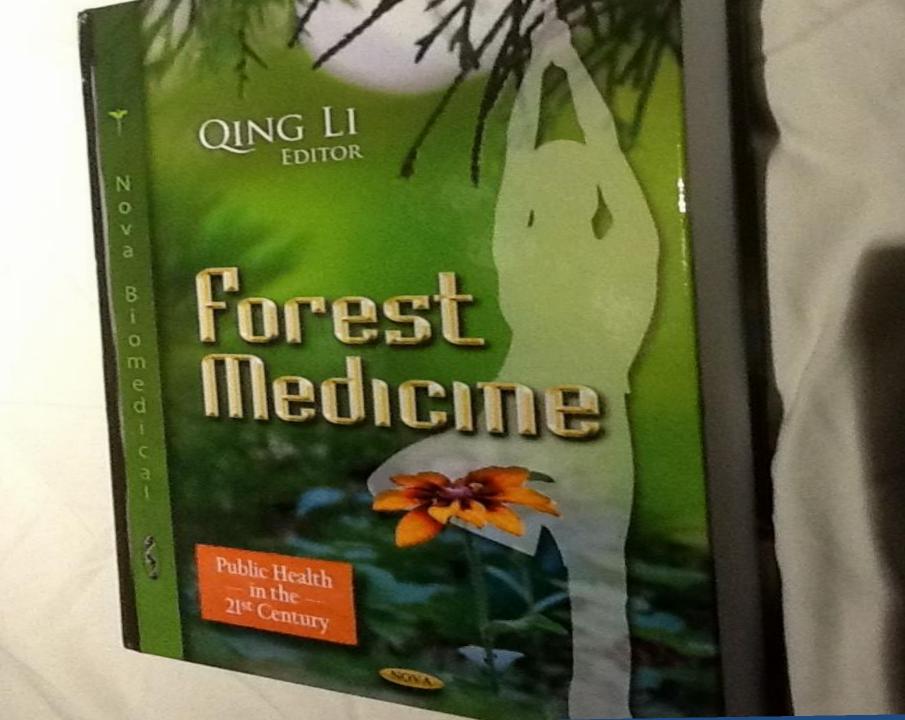
## Progress at what cost?

- 10%: Wilderness lost since 1980, area ½ size of the Amazon
- 52%: Population declines in more than 3,000 species since 1970
  - 80%: Conversion of natural forests (20k ha/day)
  - 40%: Critical watersheds have moderate to high degradation















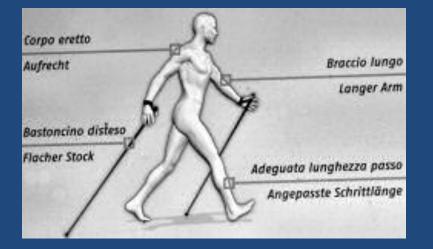
Associazione Europea per lo Studio del Bioclima, degli Ambienti Collinari e di Foresta *Terme, Salute e Benessere* 

**European Association** 0 **Bioclimatology, hill's** and forest environment Thermae, Health and wellness **Bagno di Romagna**, Italy









#### Rieducazione posturale e Nordic Walking

- 1. <u>Allungare il passo</u>, maggiore effetto sulle pompe plantari e del polpaccio;
- 2. <u>Mano aperta</u> migliora il deflusso venolinfatico dell'arto superiore
- Nella fase di <u>appoggio il bastoncino</u> viene piantato nell'area sotto al baricentro del corpo <u>migliorando</u> <u>l'assetto posturale;</u>
- <u>Rotazione del bacino e spalle migliora</u> la riattivazione delle parti <u>diaframmatiche;</u>
- 5. Importante nella sindrome metabolica.

# Integrated Medicine K in Europe

#### WHAT ROLE FOR THE EU IN NON-CONVENTIONAL MEDICINE ?

The Greens | European Free Alliance

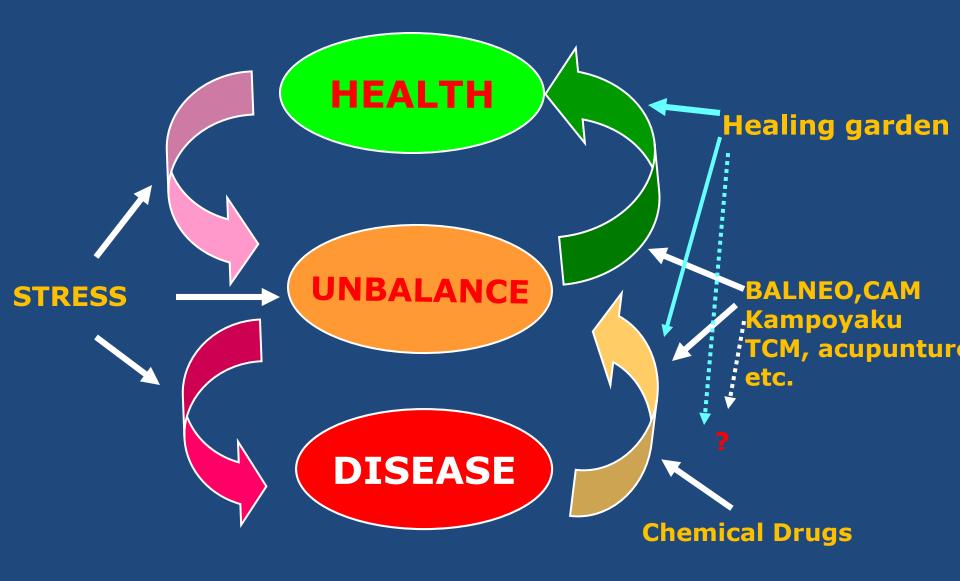
in the European Parliament





**Collected speeches from a seminar held in the European Parliament on 25 April 200** 

## AN INTEGRATIVE VIEW TO HEALTH CARE



VOLUME 1 NO 1, APRIL 2009 www.elsevier.de/eujim

## European Journal of INTEGRATIVE MEDICINE

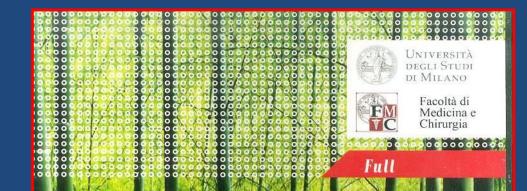
Editorial	<b>et 1</b>
Stefan N. Willich	
Religion, medical science, and the rise of subjectivity	
Richard P. Sloan	<b>I</b> 3-7
Perceived and expected effects of physical activity in female cancer survivors	
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Predictive factors for the use of complementary and alternative medicine (CAM) in radiation oncology	
Oliver Micke, Frank Bruns, Mi <mark>chael G</mark> latzel, Klaus Schö <mark>nekaes</mark> ,	
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A randomized study with adjuvant mistletoe versus oral Etoposide on post	
relapse disease-free survival in osteosarcoma patients	
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**ISSN 1876-3820** 



ELSEVIER



Master Course on Integration between Traditional Chinese Medicine and Western Medicine"

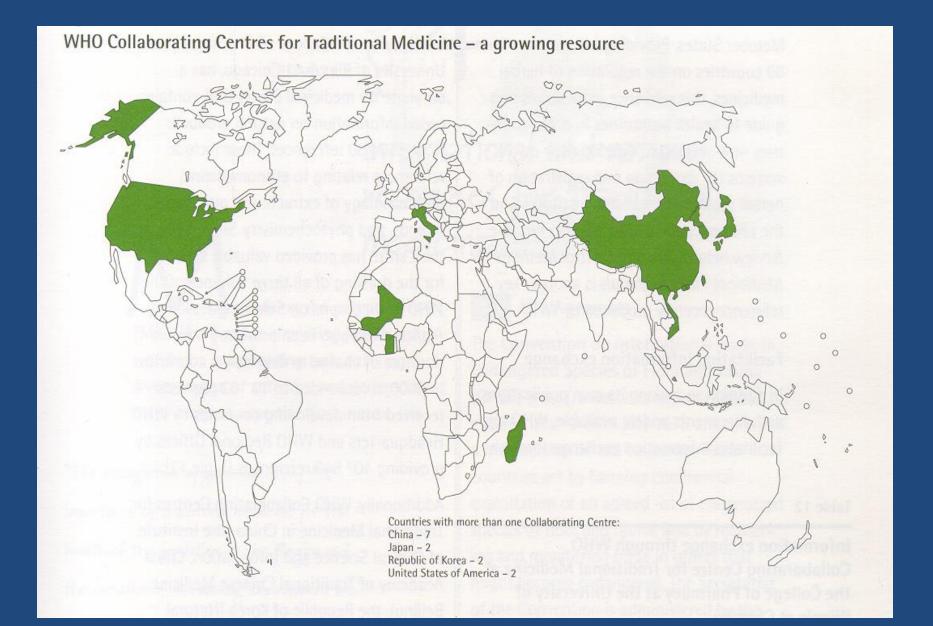
Master Universitario di II Livello integrazione tra medicina tradizionale cinese e medicina occidentale"

硕士课程 "传统中医与西医的结合"

## Integration of TM/CAM into National Health System

The two systems of traditional and western medicine need not clash. Within the context of primary health care, they can blend together in a beneficial harmony, using the best features of each system, and compensating for certain weaknesses in each."

> Dr Margaret Chan Director-General of WHO At Opening ceremony of WHO Congress 7th November 2008, Beijing





School of Medicine Home > Departments > Medicine > SPRC



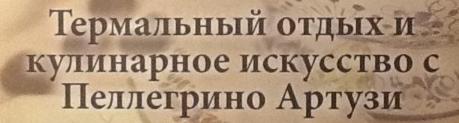
## Harvard Health Publications HARVARD MEDICAL SCHOOL

Trusted advice for a healthier life





BALNEA,VINUM,VENUS CORRUMPUNT CORPORA NOSTRA,SED VITA FACIUNT Graffito di eta' augustea

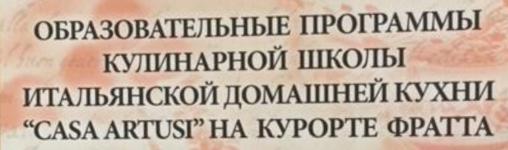


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#### distretto architettonico termale



THERMAE URBIS

TERME DI MIRADOLO

emilio faroldi politecnico di milano



**Touring Editore** 

## L'Italia delle TERME



490 CENTRI TERMALI IN 131 LOCALITÀ TUTTE LE CURE E LE TERAPIE PIÙ INNOVATIVE PER RITROVARE LA SALUTE E IL BENESSERE



#### Arriva dalla Grecia la civiltà delle grandi terme

Fu sull'esempio dei Greci, nel III secolo avanti Cristo, che l'Romani cominciarono a dotare le loro case di una stanza da bagno. Poi vennero i primi bagni pubblici (nel 33 avanti Cristo Agrippa ne censi 170 nella sola Roma), aprendo la strada a quelle terme – come queste della Villa del Casale – che restano tra le testimonianze più interessanti del costume e anche dello straordinario livello tecnico raggiunto dai Romani in elà imperiale. □ II Laconicum, sala centrale del Calidarium: una sauna per i bagni di vapore, con pavimenti e pareti surriscaldati. La forma ottagonale del Frigidarium deriva dai ninéti dell'età classica e continuerà in età bizantina e nei battisteri cristiani.

> Le sale esterne (essudatio) del Calidarium, dove la temperatura media delle vasche raggiungeva i 60 gradi.

Prima di affrontare il bagno nel Calidarium si sostava qui, alla più bassa temperatura del Tepidarium.

ll Frigidarium si apre su una piscina coperta, che è alimentata dall'acquedotto.

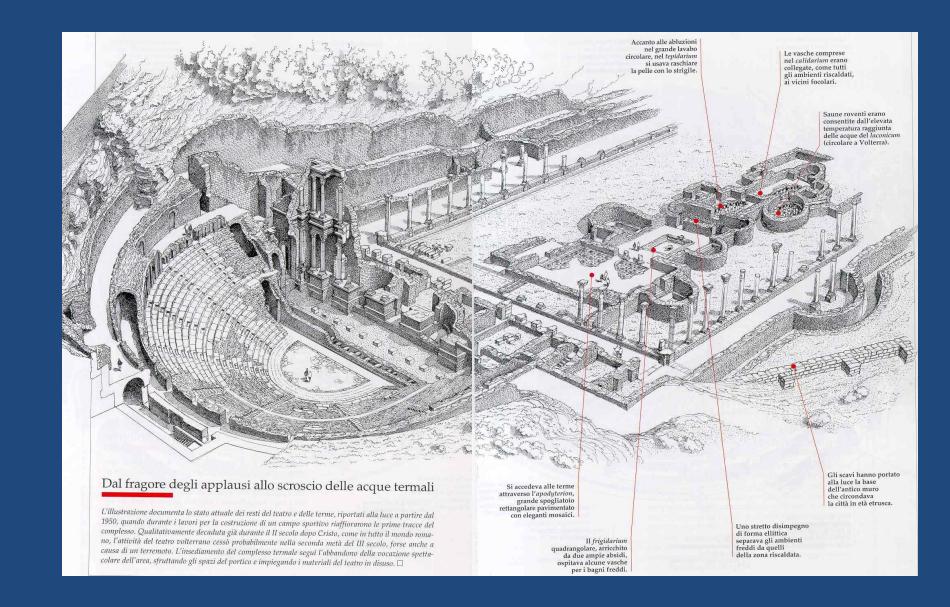
Massaggiatura dopo il bagno è il motivo del mosaico di questa sala, dove i massaggiatori ungevano i bagnanti.

THE OWNER WHEN THE PARTY OF

L'ingresso alle terme è preceduto da un vestibolo. I mosaici rappresentano l'imperatrice con i figli e i domestici.

La palestra destinata alla ginnastica sia prima sia dopo il bagno. Nei mosaici del pavimento, Corse di quadrighe.

Una grande latrina si trova subito accanto all'ingresso: ha dodici sedili, sotto cui scorre acqua. Prima dell'uscita c'è un lavabo.



#### Volterra: area archeologica I sec. a.C. - IV sec. d. C.



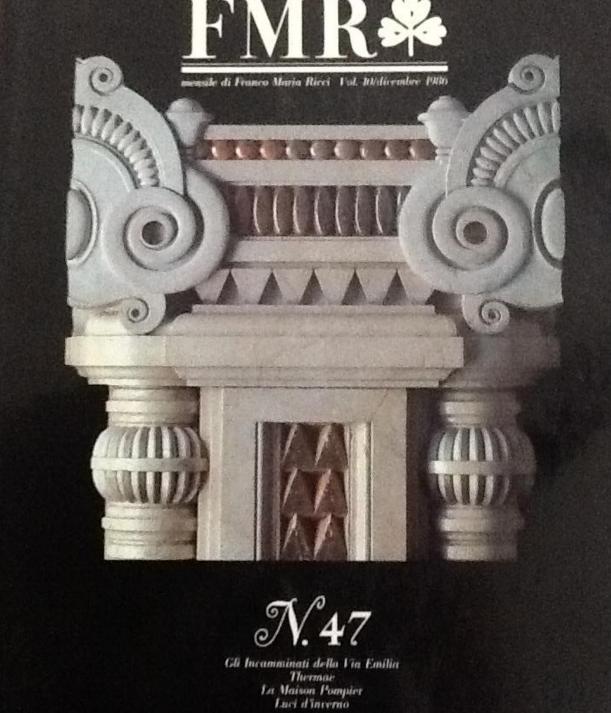




#### SALSOMAGGIORE TERME, Italy











## San Pellegrino – Casinò

# La bellezza ci fa bene

#### BEAUTY DOES WELLNESS

Numerosi studi dimostrano che la percezione dell'arte ha un impatto misurabile sul benessere psicofisico. Un'opportunità da non perdere se si trascorre l'estate in città

A CAR CONT

 Partecipare ad attività culturali migliora (in proporzione a frequenza e varietà) le condizioni di salute, aumenta la soddisfazione nei confronti della propria vita, riduce ansia e depressione  Nella percezione di un'opera d'arte vengono attivate più aree cerebrali

la **corteccia orbitofrontale** e la **corteccia prefrontale**, per l'attribuzione di specifiche proprietà estetiche

la **corteccia entorinale** e il **polo temporale**, con la memoria di eventi emotivamente significativi, influenzano il giudizio estetico  Davanti a un'opera d'arte si può vivere uno stato (chiamato Flow, o Esperienza ottimale) di piacere interiore, in cui si perde la sensazione del proprio Sé, si ignorano i riferimenti temporali, si percepiscono meno i bisogni essenziali

NEUROPHYSIOLOGY OF THE BEAUTY



# 1-й Международный Конкурс Архитектуры и Дизайна «Создание внешнего облика городов-курортов КМВ»



При поддержке:



Почетное генеральное консульство Италии по ЮФО и СКФО



Полномочный представитель Президента Российской Федерации в Ставропольском крае



Правительство Ставропольского края



Министерство строительства и архитектуры Ставропольского края



Международная Федерация Гидротерапии и Климатотерапии



Итало-Российская Торговая Палата

#### ЦЕЛИ И ЗАДАЧИ КОНКУРСА

Основной задачей конкурса является получение интересных, перспективных идейных решений по созданию уникальных обликов городов КМВ. Основной целью Конкурс несет себе В поддержание И развитие туристической составляющей зоны Кавказских Минеральных Вод в двух фундаментальных направлениях: термальном лечебно-профилактическом, И которые на протяжении веков являлись эталоном санаторно-курортного лечения в России.

Конкурс также несет своей целью создание определенного ресурса для привлечения заинтересованных инвесторов в финансировании лучших проектов Конкурса.

Для участников из Италии Конкурс станет прекрасной возможностью подтвердить многовековые традиции итальянского дизайна и значение фразы "made in Italy".



#### КОНКУРС

20 Ноября 2017 года был дан старт Архитектурно-дизайнерскому конкурсу «Создание внешнего облика городовкурортов Кавказских Минеральных Вод».

Конкурс занимает важную часть в Плане развития и модернизации Туристскорекреационных и бальнеологических зон и территорий по всей России.

К бесплатному участию приглашаются архитекторы, дизайнеры, студенты профильных ВУЗов и факультетов. Также, возможно участие авторских коллективов.

В конкурсе предусмотрено соревнование по трем номинациям.



# Integrated management



Università degli Studi di Milano Cattedra di Terapia Medica e Medicina Termale Centro di Ricerche in Talassoterapia Direttore Prof. Umberto Solimene Spa[spa:]s. Ifonte d'acqua termale:-waters, acque termali 2 terme(pl.), stazione termale: to go to a-, andare alle terme, in una stazione termale //-architecture, architettura termale IDa Spa, celebre stazione termale in Belgio

Seminario Intensivo

**SPA MANAGEMENT** 

Terme e Centri Benessere. Governare e Dirigere il Cambiamento

In collaborazione con



ACCELERATORE DI SUCCESSO

Milano, 14-16 Novembre 2002 Excelsior Hotel Gallia

Con il patrocinio dell'Associazione Europea di Medicina del Benessere AEMeB

## Elenco dei Customer Contact Point (Elementi in cui misurare la qualità o innovare)



### Per punto di contatto "Trattamenti" si giocano più momenti di soddisfazione o insoddisfazione

### I Momenti della Verità





UNIVERSITÀ DEGLI STUDI DI MILANO Cattedra di Idrologia e Climatologia Medica

#### ESIGENZE E TECNOLOGIE DI IGIENE NELLE AREE A POPOLAZIONE VARIABILE

Centri turistici, termali, comunità

6 OTTOBRE 1984 Palazzo dei Congressi Salsomaggiore Terme (Parma)

patrocinio: Ministero della Sanità - Ministero della Ricerca Scientifica e Tecnologica Regione Emilia Romagna - Comune di Salsamaggiore - Terme di Salsamaggiore S.p.A. Azienda di Cura e Soggiorno

#### RELATORI

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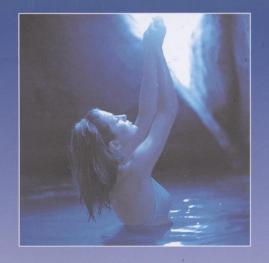
Gaetano Rotondo Capo Corpo Sanitario, Aeronautica Militare Problemi igienico-sanitari nelle collettività militari e loro riflessi sulla comunità civile.

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Umberto Solimene Direttore Cattedra Idrologia e Climatologia Medica, Universitô degli Studi, Milano Igiene e tecnologia in un sistema termale integrato

# GREENWICH

La Sorgente del Benessere "Le Terme del nuovo millennio"

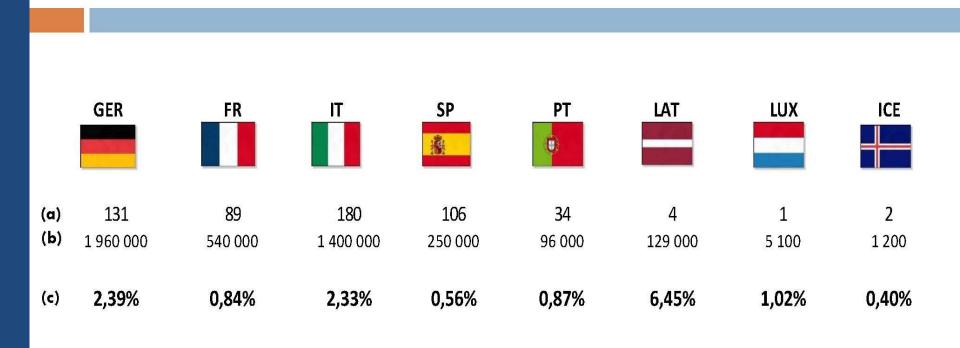


Mappatura e sistematizzazione dei profili professionali afferenti il settore termale nel territorio regionale ed elaborazione di un repertorio di standard formativi e competenze nell'ambito dei nuovi Centri del Benessere

a cura di Morena Nanni e Umberto Solimene introduzione di Fabrizia Monti



## Balneotherapy in Europe : a cultural, economic and medical reality



(a) number of resorts

(b) number of patients

(c) % of practising people



# EUROPEAN ASSOCIATION OF PATIENTS AND USERS OF THERMAL CENTRES

www.eaptc.net

Европейская Ассоциация Пациентов и Пользователей Термального Лечения».



84





# Ваш голос

👌 Russo 🔻

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Вторнику, 10 мая 2016

Опубликовано ВАШЕГО ГОЛОСА на 21:40 M 🗈 🗄 👩 🖸 G+1 Consiglialo su Google

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Твой голос! Твой голос!

www.termepatient.blogspot.com

РОДИЛСЯ на блог Европейской ассоциации ПАЦИЕНТЫ И ПОЛЬЗОВАТЕЛЕЙ SPA ОБРАБОТОК

> ответственный и важный инструмент 23 "ЭКТИРИОВ УЧЭСТИВ" В РЭЗРИТИИ КУРОРТОВ

#### сотрудники

🚳 максимальная Boaron 🔁 ВАШ ГОЛОС 🚱 Мария Ева Virga ×

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Архив блога

2016 Май

> NEW '. ГОЛОС пациента и Termal пользователя ...

# Your voice

猪 Inglese 🔻

Q G+1 0

Tuesday, May 10, 2016

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NEW '. THE VOICE OF THE PATIENT AND SPA user

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responsible and critical tool

#### Collaborators

👩 maximum Boaron **YOUR VOICE** 🚱 Maria Eva Virga

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May

NEW '. THE VOICE OF THE PATIENT AND TERMAL user ... Х





# EUROPEAN MEETING ACTIVE THERMALISM The individual at the heart of care and as a driver of change

# **ROOM MURRI - GRAND HOTEL - RIOLO TERME** APRIL 8 2017



With the patronage of:

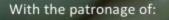
Hinistere della Salate







ELIDODEAN MEETING



Regione Emilia Romagna





## EUROPEAN MEETING

### ACTIVE THERMALISM The individual at the heart of

care and as a driver of change





More than 5 million people in Europe (and more than one million in Italy) today use thermal treatments according to a variety of therapeutic approaches and forms, with positive results based on their health expectations (ISTAT 2014 data; Cneth data, France, 2015). However, only seldom was this great number of citizens involved in a critical and responsible evaluation of the services provided by thermal establishments, something that is crucial to ensure the future development of the sector. One of the purposes of the *European Association of Patients and Users of Thermal Centres* (EAPTC, <u>www.eaptc.net</u>), established in December 2015, is to promote the active involvement of users of thermal services and the awareness of the potentials of thermal treatments for patients with diseases eligible for treatment with thermal medicine.

In this context, what is the psycho-physical and behavioural profile of the typical patient/user of thermal establishments? What possible areas for contact and collaboration exist between thermal centres and the associations for the protection of patients/users? What input can thermal care provide to the welfare offering?

The above questions will be addressed at the European meeting organized by **EAPTC**, in cooperation with **Terme di Riolo** to analyze the role of patients/users of thermal care and help ascertain whether and how a patient/userfocused approach can trigger innovation and the change of therapeutic resources



# E.H.T.T.A.

# Association Européenne des Villes Thermales Historiques



Bruxelles – 27 septembre 2010

#### Nur Diff waging 1 0

Street - Rossell' Internet 188 Incl. Distorted

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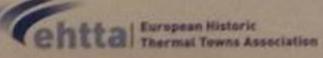






Member of THE EUROPEAN ROUTE OF HISTORIC THERMAL TOWNS

and of EHTTA, which has been certified as a Cultural Route of the Council of Europe since 2010



Catheral mate of the Council of Europe Stimicular catheral de Consett de Thorape





The Barton

ХАРТИЯ О СРЕДСТВАХ МАССОВОЙ ИНФОРМАЦИИ В ТЕРМАЛЬНОЙ ОТРАСЛИ



## Реклама курортов: светская хроника

# Moglie presidente russo Medved

#### Italian spa town prepares for onslaught of Russian oligarchs «guardian.co.uk»

Montecatini Terme plans to erect signs in Cyrillic after Svetlana Medvedeva

#### From Russia .... with bags of cash: first lady books entire closed hotel «businessday.com.au

businessday.com.au»

the effects of Medvedeva's visit "will be seen in the coming months when Russian tourists who love classic spas will turn up in ever greater numbers".

#### Lady Medvedev alle Terme di Montecatini «federterme.it»

 dopo questa importante promozione – le presenze di turisti russi possano aumentare ulteriormente.

Владелец Grand Hotel La Pace: Светлана Медведеваi prezzi vanno dai 600 euro a notte сняла только две комнаты стоимостью меньше **€1000** «Газета.Ru»







illionaire Russian First Lady splashes out Russian First Lady Svetlana Medvedeva has drawn attention by hiring an entire talian spa for a week

Video feedback Video settings

per una camera lusso ai 1300 per una

the full complement of connecting or accompanying rooms and suites **about** €12,000 per night,

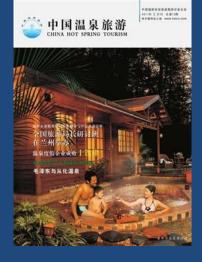
not counting nourishment, treatment, water, etc.

# ABOUT THE JOURNAL "THERMAE & SPA MEDICINE"

International Journal of Integrated Spa Medicine, Thalassotherapy and Techniques of Well-being

### Relevant Governmental Organizations, the Hot Spring Associations and Professional media

### Media









### China Hot Spring Tourism

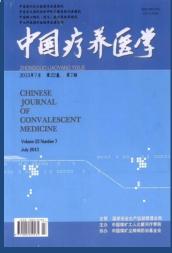
### **Thremal Travel**

### SpaChina

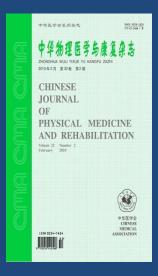
### 中国温泉旅游产业 发展报告(2012)

Annual Report On China Hot Spring Tourism Industry

Annual Report on China's hot spring



Chinese Journal of



Chinese Journal of Physical Medicine



Guidelines on Developing Consumer Information on Proper Use of Traditional, Complementary and Alternative Medicine



## WHO guidelines on basic training and safety in chiropractic





Angel Algeciras Jefe de Mantenimiento



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### Legionellosi nelle strutture dell'ospitalità e termali: analisi e controllo del rischio

Autori Umberto Solimene Gianni Gurnari

Allegato restazionale a HTS nº 2



#### Università degli Studi di Milano Cattedra Terropa Medica e Medicina Terropie Centro di Brianche di Brianche di

Centro di Ruerche in Bioclimatologia Medica, Biotecnologie, Medicine Naturali Centro Ricerche in Talassoterapia



#### World Health Organization Collaborating Centre for Traditional Medicine



World Federation of Hydrotherapy and Climatotherapy

# HEALTH and WELLNESS TOURISM:

# THE NEW DRIVER OF THE TOURISM INDUSTRY



- Wellness Tourism: Near Half-Trillion-Dollar Market Up 12.5% from Last Year
   SRI's 2013 report "The Global Wellness Tourism Economy" put the wellness-focused travel segment firmly on the map, finding that wellness travel is growing nearly 50% faster than the global tourism overall. For 2014, key numbers are updated:
- As a \$494 billion industry, wellness tourism represents more than one in seven (14.6%) of all travel dollars spent worldwide

### Global Tourism Industry \$3.2 trillion Medical

**Cultural Tourism** 

\$800 billion-\$1.1 trillion

Solution States

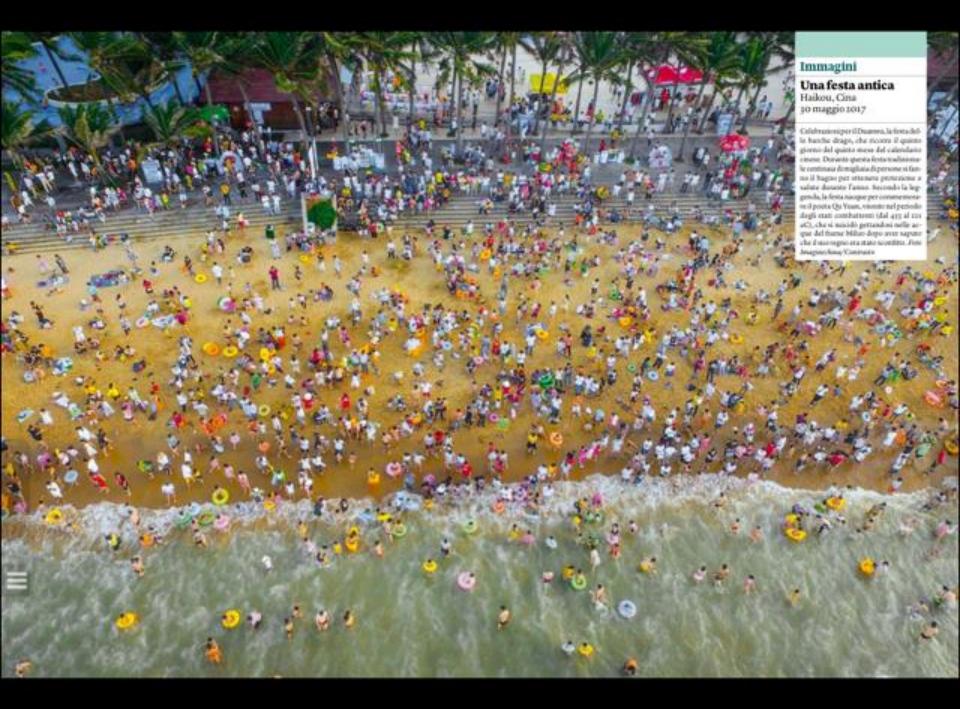
Culinary Tourism \$350-550 billion

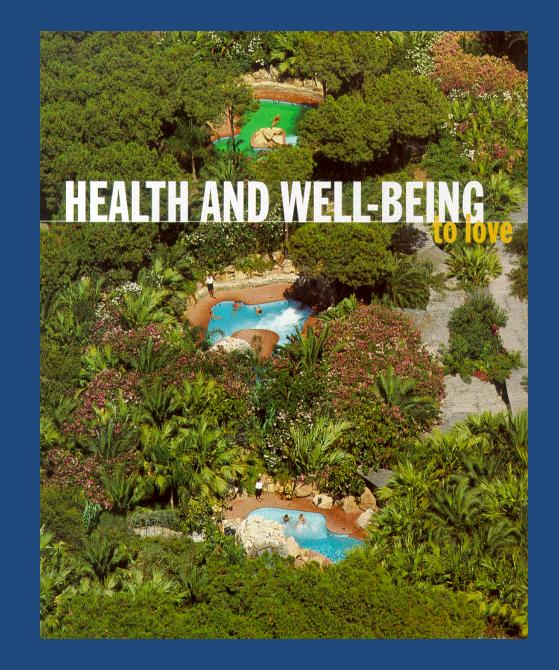
Agri-Tourism \$60-160 billion

Wellness Tourism \$439 billion Eco/Sustainabl e Tourism \$325-480 billion

> Adventure Tourism \$115-150 billion

Spiritual Tourism \$37-47 billion Volun-Tourism \$10-20 billion Sports Tourism \$250-375 billion

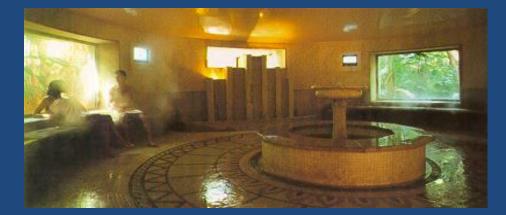


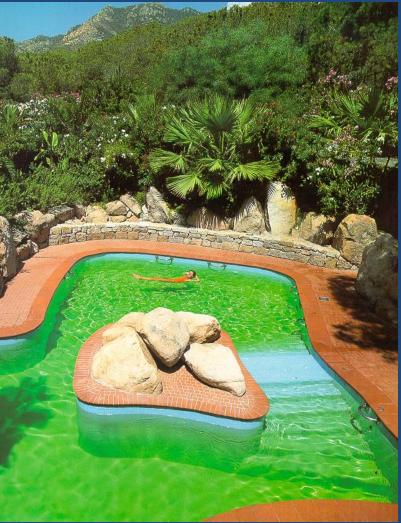














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Veduta aerea di Forte dei Harmi. Nel 2017 si è toccato il record dei costi sulla spiaggia: 1.000 euro al giorno per un gazebo da sei posti





## The 7 trends of tourism 2017

- OMT(2015) : 1,186 Billions people + 4,06%
- Europe: 606 millions tourists
- 2020:1,3billios tourist
- 2027 1,8 billions

## **1SENIOR**

- In the 2080 1/3 of people more than 65 yars old
- Increase of 15% by year
- Very active 94 millions of trips (more than 4 nights)
- Europe:program Low medium Senior tourism initiative 2014-16.Towards an agefriendly tourism (out season)

Nessuna SIM 🗢

on della Sotal Martedi 7 Pabbraio 2017

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### Il dilemma degli over

Dichiararsi «anziano» (e accettare le facilitazioni per treni e cinema) o rinviare alla quarta età?

#### d Paolo Centi

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erse sus sioe admi admi atte ers eta

distance in or creation appendendes. Sect. Commenti in dept i sufis s plant pubble: Liver 60 around Any - 1 No. Perce - point if e i veli

roofine ta acquireti ineventa rolazione aetas fruti A s dg anal, in un 2017 In Cul Tappertativa di M ta per un uonio poco gli Ro mini e per le donne pogongge quota 80, et u poò moora definire «anziani-" Si può renamente chindere nel periore dei equant secchio dei artiche dei equant secchio dei settimo decernito della prepria estarea.

La domando non é astratta, anol. Proprisi letti E «Giarne-Quercherto Nazionale» ha dato amplo rivalto ada notizia dell'invanzatorno dell'iter del disegno di legge astiruzite si danal della lutta ciù, prime immatario e relatore della legge il depentato fuesto farmini del 10.

E fin qui tratto bene, si prewede l'artesta instructura per chi al instructuro mella casa di un antiano fingendosi un impiegano di una sociatà efertrica, per esemple, ciut una rechasione da una a cinque anti. Nel icsie si paria explicitamente di sover fity, altribuendo quindi anta identità da sanata pari et a i conserva di sutore a chi si di consanda è loci un quella eth. La domanda è loci un quel limite anagonico deserrire una conditzione mole? Nel una ultimo ilbre (Le cu-

Net une utilizes tiltere (Le curioute) ann inverchis/Elogie defie quanta età, appena uscito da Mondadori/Io pelcoaralista Massimo Armaniti riceda che il mattere degli over 60 -e in conficuer matemiò, e si tualmente rappresenta il aru definione goppolazione india na, a parati protestuali in più definione goppolazione india della media cuopera. Dua que una fetta sostanciodealmo del morto paratrara sociale.

L'idea di secchiaia è rudicalmentic cambiata cui secondo 900. Come ha ricordate recenteniente la un suo supplo la serbicce e psicoprovateloge Serome Pellissier, nel XVI scolio la vecchiato constructovo trael sindiate collettive) a territan-ni, nel XVII a quanant'anni, nel 1950 a pilà di sessanta, a fine Novecento a pila di vessania citoque. 5 oggi, con una miedicina preventiva che ha com pliano passi da gigante, si puòtraffare an sessantacinguence come un individuo incarace di difendersi da un faise termico-del gas o da un sedicente inpettore delle tanser Amoorta area célitat mel print,

la seconda reliatorar nociale



dell'assensorato alle Politiche sociali del Connane di Milano prevedeva che nel azuo (danque dopodomani) un milanese ni quartini arcii più di 65 an ni.

In questo mondo la grigio, numerosi sociologi concorda-

#### Off Comme di Viareggie Fido nella tomba di famiglia

Gli poienati damonichi o Viareggio portanuo entrane nel cimitori. por con le dovole attenzioni. tenuti al gaino aglio e assicutanadosi che non sporchine o teon facciano danut. Inoltre, portanuo enave prodisposte speciali areo dostinare alla loro tunnilicione. Na noce sole: in caso di cremarione. Ne ceneri dell'aritmale potramme essere postidocante intilis tunitorio di famiglia del loro proprietario. Lo prevedono le tunore disposizioni sia tanineti del Conzulo di Viareggio no nell definiter oggi la fascia fa ya anni orinnal conte «turtin adultitis» o al matoitno ogrina vecchania». Un ambripo di chi che accodi da ya anoi in pol, ovven (stavolta si) la sverchia las. Le cose cambiano capidamente: appena nel agita Marcello Marchesi canticchiava sul Prime Camile Ral «Che bella eta/la menza eta», e si riferitu a tar cimpanteme.

Naturalitiente tutte dipende dalla precentiona dei singelo indipidan, da sitò che avverta nil projetto corgio e tarilla propita testa E specas el impone tuta decisione. Preesdiares le facilitzatesti, in quasi tutte le cistà italiane che ha più di Gofiç anui viaggio sui meneti pubbilet a pretet scortati dal po al gov. Tariffi agrovitate anche sui treni, sia fabo che Trentolia, e così per chi von Attalia. Oppure al cinerna. Ma non tutte i vono doposti a schrittara di vono doposti a schrittara de nono doposti a schrittara de nono doposti a schrittara

#### Identità

Sono 8 21% degli italiani. Ma quel limite anagrafico descrive una condizione reale?

#### Percezioni

Tutto dipende da quello che avverte il singpio sul proprio corpo e nella testa c'è chi, nonnostante l'ascitta dal lavoro attivo, continuo a lavo rato, a concre lavoritto in un clcio attivo e impegnato. E capiti anche, nei rati cad in cui un giornore si altra per cedere il posto su un bus alfollato, che un/una 6genne ringuati e rifort, un l'inonico e Unrituito.

Proprio per questa ragione Amenaniti, nel coo-libro parla, a portire dal titolo, di -quarta etiles, ovvero dagli 80 sensi inpot. E quitadă si impone una personalivakna decisione paicologica, a chi ha varcato la sooffic dati fity areas. Hitfortane fa qualifica di sanotanos, rinonclarado a sconti o tarille spe chill e proseguendo con uno atile di vita da «tando adobo» pleriamente attivo e libero da inciseEsmenti. O accettary la targhetta d'argento, con annervice Incitizations, mu coll pericolo - attenzionel - di ritrovaria in virtuale compognia dell-inserti- protional.

## 2 MILLENIALS (gen.Y)

- Born between 80 and beg.2000 years
- The part more interesting:
- They use sharing economy, internet
- Innovation
- After gen.Y there is gen Z( after 2000)

## 3- BRIC & HALAL

- Brazil, Russia, India China
- Islam (www.halatrip.com)

### **4 WOMEN**

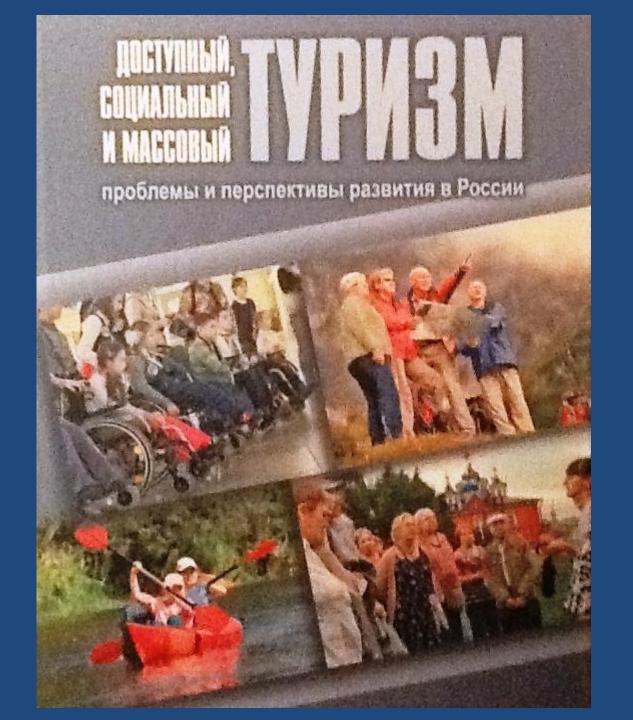
- 80% DECISION TO THE DESTINATION BY WOMEN
- MORE INDEPENDENT AND NEW EXPERIENCES
- 2014 MORE THAN 80%AM.WOM TRAVEL SINGLE.THEY SEARCH ADV.

## **5 ENOGASTRONOMIC**

- VISITS, COURSES, DEGUSTATIONS ETC
- CULTURE AND ENVIRONMENT

## 6 TOURISM RESP.

- ECOLOGICAL TOURISM
- PROTECTION OF THE ENV.
- SOCIAL
- MOBILE PHOT.



## 7 BUSINESS%LEISURE TRAV

• **BLEISURE** 

- BRANDING DESTINATION
- •

### DESTINATION POSITIONING

- •
- Therapeutic thermal waters and muds
- Excellence thermal FacilitiesExcellence thermal
- • FacilitiesAccredited Hospitals
- Qualified Doctors
- Certified Surgeons
- Qualified Anesthesiologists
- • Qualifed Nurses and others professionals
- Latest Advanced Tecnology
- •

- Efficacious Therapeutic Procedures
- • Faster Medical Services
- Affiliation with Universities & Research Centers
- • Humanization of Healthcare
- Hospitality/Hotel Structure
- • Partnership with Luxury Hotels & Resorts
- • Linguistically competent teams
- • Healing Climate
- Pleasant Environment/Landscapes
- • Healthy Gastronomy

## **MOST IMPORTANT POINTS**

- Adventure travel
- Millenials
- Staycations (stay at home vacation)
- Chinese market

 Health and Wellness Tourism includes travelling (national and international) to places and facilities such as hospitals, clinics, thermae, thalasso, medical and wellness SPAs and fitness centers.

 The purpose of Health and Wellness Tourism is medical care and health, beauty, relaxation, recovery and rehabilitation treatments. There are more than a hundred million health and wellness tourists, around the world per year.

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 The Health and Wellness Tourism includes: medical tourism; elderly age tourism; disability tourism; thermal tourism; and thalassotherapy tourism

	<b>Projected Market Size</b> (US\$ billions)		Projected Average Annual Growth Rate
	2015	2020	2015-2020
Spa Facilities	\$77.6	\$103.9	6.0%
Thermal/Mineral Springs	\$51.O	\$64.6	4.8%
Wellness Tourism	\$563.2	\$808.0	7.5%
Workplace Wellness	\$43.3	\$55.1	5.0%
Wellness Lifestyle Real Estate	\$118.6	\$152.8	5.2%

- Wellness Tourism: Near Half-Trillion-Dollar Market Up 12.5% from Last Year
   SRI's 2013 report "The Global Wellness Tourism Economy" put the wellness-focused travel segment firmly on the map, finding that wellness travel is growing nearly 50% faster than the global tourism overall. For 2014, key numbers are updated:
- As a \$494 billion industry, wellness tourism represents more than one in seven (14.6%) of all travel dollars spent worldwide

### 重庆贝迪颐园温泉度假景区



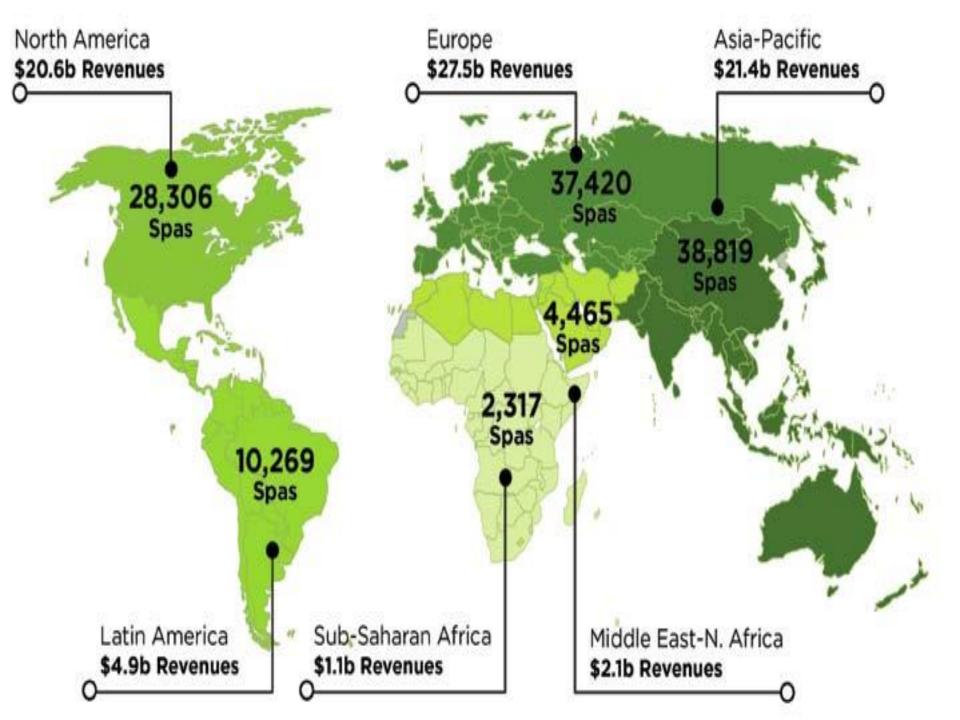
### Asia-Pacific Developments

 Asia-Pacific has the largest number of spas among all regions, and the region also saw the greatest increase in spa revenues (in numerical terms) since 2013. Asia's spa industry has experienced steady growth, driven by ongoing hotel and resort developments in popular destinations, as well as new businesses and chains that cater to mid-income consumers – especially in secondary and third-tier cities in the emerging markets such as China and India.

 All across the Asia-Pacific region, spa-going is no longer viewed as just a luxury pampering activity for the wealthy, but increasingly as a necessity for health maintenance and overall wellbeing. As people turn to body work to relieve stress and chronic pain, the business and professional class – both male and female are taking up treatments to help maintain vitality and a youthful appearance.

 In countries with a long history of wellness therapies and traditions, there continues to be a separation of where local and foreign customers go to seek these kinds of treatments. While foreign visitors to China or India are often eager to receive a reflexology treatment or an Ayurveda massage in a branded, international-style hotel spa, local customers, even well-heeled ones, are more likely to go to local or traditional centers/ clinics that specialize in these treatments







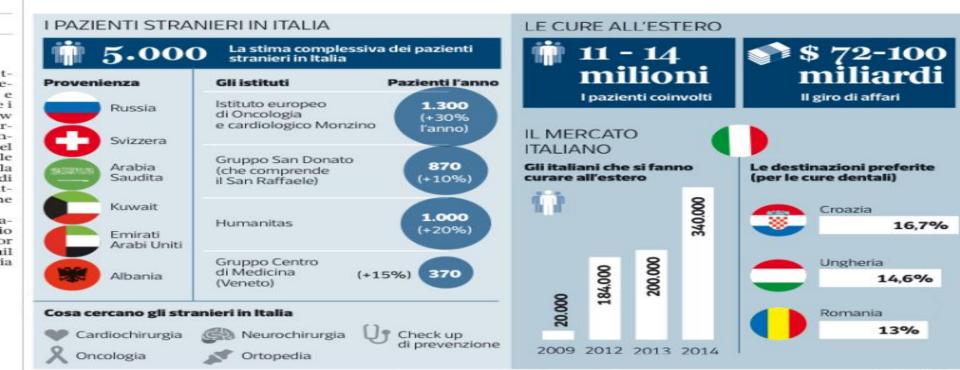
# **Top 10 Countries for Thermal/Mineral Springs**



China (\$14.1b) Japan (\$11.7b) Germany (\$7.5b) Russia (\$3.7b) Italy (\$1.7b) Austria (\$0.9b) Turkey (\$0.9b) Hungary (\$0.7b) Czech Rep. (\$0.7b) Spain (\$0.7b)

thermal/mineral springs industry is comprised of *revenue*earning business establishments associated with the wellness, recreational, and the rapeutic uses of waters with special properties. We estimate that there are now 27,507 facilities built around thermal/mineral springs, located in 109 countries, and earning \$51.0 billion in revenues in 2015 (compared to \$50.0 billion in 2013). The research indicates that there is rapidly rising consumer, investor, and government interest in springs-based activities, with most establishments experiencing solid growth in both attendance and revenues.

#### < «La nostra sanita puo diventare un brand globale»



Fonte: Whatclinic.com Sda Bocconi Ocps e medigo.com: La Medical Tourism Association e Patients Beyond Borders

Corriere della Seri

re

# **IURISTI** ASALUTE

Del resto, il turismo medico appare in rapida ascesa, anche se i numeri del fenomeno sono ancora incerti. Per l'associazione Patients Beyond Borders i pazienti coinvolti in viaggi della salute sono 14 milioni per un fatturato tra i 45 e i 72 miliardi di dollari La Medical Tourism



fenomeno in entrata, può avere numerosi aspet ti positivi: l'esistenza di un flusso di pazienti i arrivo dall'estero non vuole dire necessariamen te ridurre l'offerta rivolta ai pazienti italiani, m può essere l'occasione per attrarre risorse util per nuovi investimenti e sumentare la rispost



ок медицинских и реабилитативны I Выпуск 2014



Сертифицированный ТОУ квалитет мед. услуг



Сертифицированная Система Квал UNI EN ISO 9001, No 731003087 30/03/2010, TÜV Hessen

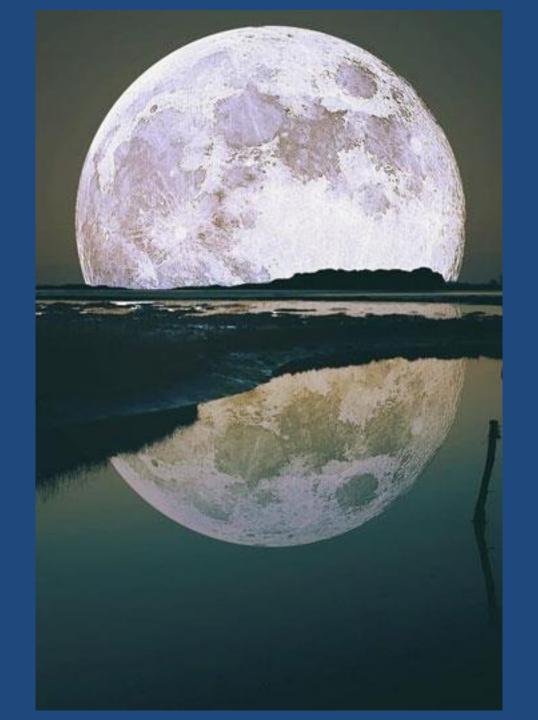
## ОРТОПЕДИЯ КОМПЛЕКСНАЯ ПРОГРАММА ЛЕЧЕНИЯ

ДАИАГНОСТИКА - ЖИРУРСИНЕСКОЕ ВМЕШАТЕЛЬСТВО - РЕАБИЛИТ

Итальянский метод решения проблем: от хирургического вмешательства до восстановления





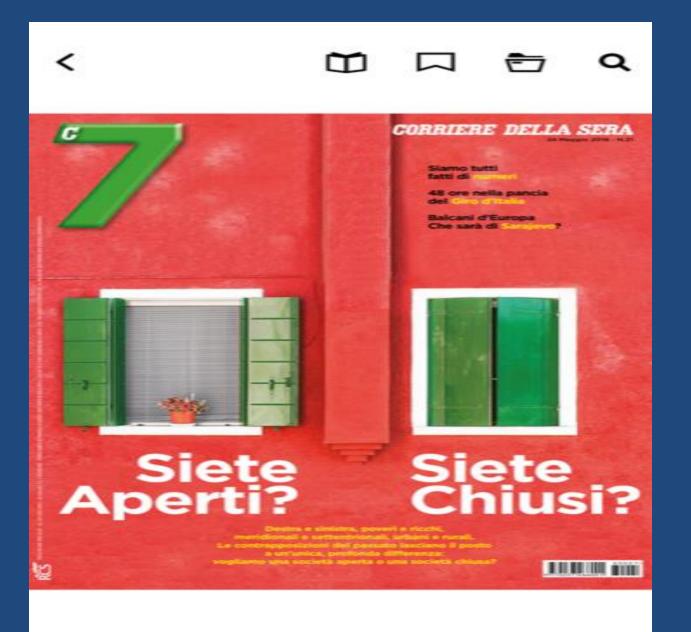


I would like to close quoting American Journalist Sydney HARRYS with reference to FEMTEC

"The whole purpose of FEMTEC is to turn mirrors into windows."

<u>The mirror is self-referentiality</u>: "<u>we always did it this way,"</u> "we are the best", "we are not understood."

<u>The window means being open to the world</u> and to a changing society, with new circumstances and needs: "moving on," "integrated medicine," "not being afraid of novelties and of the new frontiers of knowledge."







### **Integration=saving & efficiency**





We have to play like orchestra.

#### Modalità di intervento



# **SINERGY! (TEAM)**



Nongovernmental Organization In official Relations with World Health Organization (WHO

THE 66° GENERAL ASSEMBLY AND INTERNATIONAL SCIENTIFIC CONGRESS OF THE WORLD FEDERATION OF HYDROTHERAPY AND CLIMATOTHERAPY (FEMTEC)

ON AIRS, WATERS AND PLACES Thermal Integrated Medicine for an Holistic approach to health government



Kos, Asclepeion of Hippocrates (400 BC)

(Rhodes - Kos, Greece) RODOS PALACE HOTEL

13<sup>th</sup> - 17<sup>th</sup> October 2013

I wish to close with this quote, which is often used in motivational courses for managers:

Three men were working in a construction site. They had the same task but, if asked about their job, their answers were different: *"I break stones"* said the first one. *"I earn a living"* said the second one. *"I participate in the construction of a cathedral"* said the third one.

THE LATTER IS THE ONE FEMTEC INTENDS TO IDENTIFY WITH!

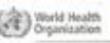
### The main scientific topics of our activity include:

- THERMAL BATHS and SPAs from the past to the future(from the Romans to Horizon 2020)
- Traditional, Integrative Medicine, Research, Training, Economy, Human Anthropology, Health Food, Eco-social aspects, Health Tourism, and Climate Change
- Technologies and scientific know-how
- The evolution of Thermal Baths and Medical Holistic SPAs in the future with respect to the GLOBAL-LOCAL concept

# Le Thermalisme

La Fédération Internationale (Mondiale) du Thermalisme et du Climatisme et l'Organisation Mondiale de la Santé

> GUY EBRARD Président de la F.I.T.E.C. de 1969 à 1998



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#### Desi Professor Indonesia.

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# The Minister of Health (Italy)

 "The present demographic and epidemiological conditions, characterized by an ageing population and by the increased prevalence of chronic diseases, have called for a reorganization of the National Health Service, involving a change from traditional "waiting" medicine to "initiative-based" medicine, focused on prevention of disease onset and worsening. Hydrotherapy falls within this framework, allowing a diversified range of secondary and tertiary prevention measures for lots of diseases that can benefit from it, and playing an outstanding role in limiting or delaying the development of severe dependencies and preventing the onset or worsening of certain illnesses"