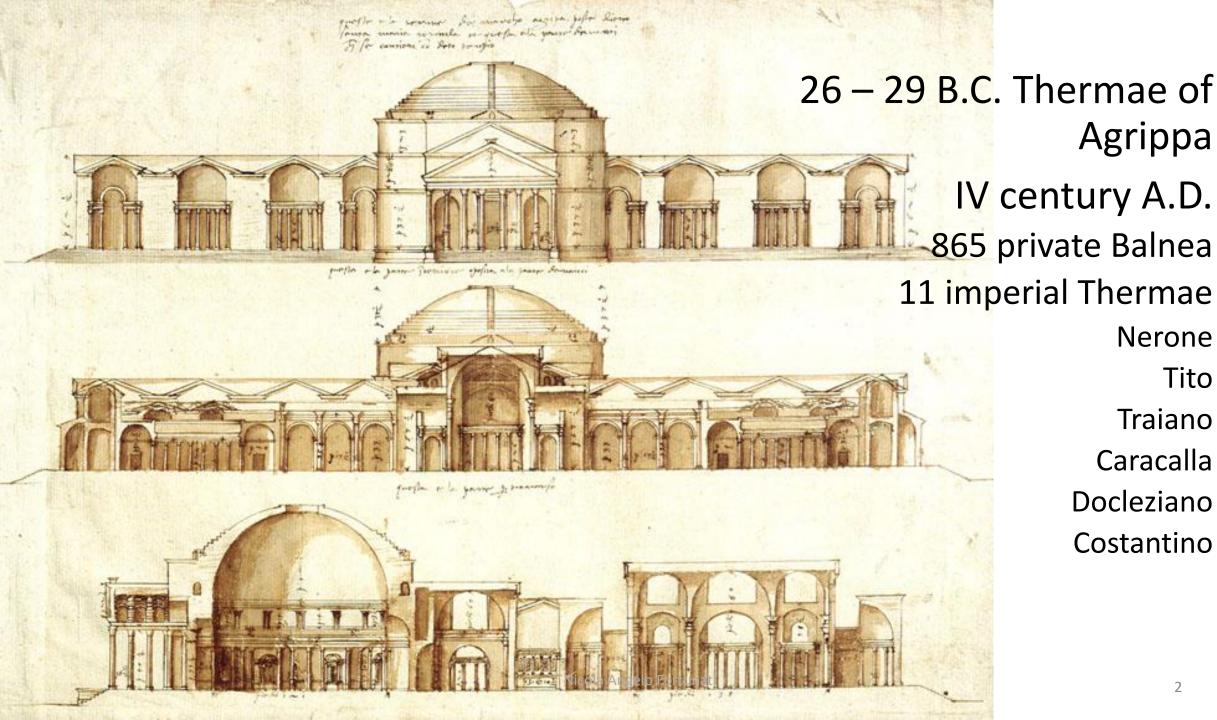


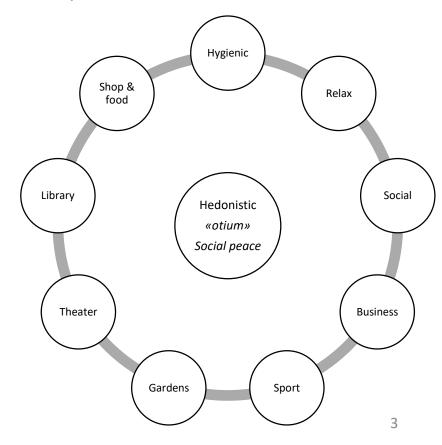
Italian Thermalism: From Roman Times to the Future

Dr. Nicola Angelo Fortunati, terme & spa general director, Italian Hospitality Collection, Italy





- Free entry for roman citizens
- 75% of roman population was naturalized citizen
- Roman citizens didn't work
- Everybody went to the therme at least once a day
- Therme of Diocleziano 140.000 sqm
- More than 1.500 people every hour (in the water)





Roman times (V century A.D.): hygienic, hedonistic and social practice

Medieval times (XIV century): therapeutic practice emergence

Renaissance (XV century): clinical practices improvement and books printing (Bacci, Mercuriale, Savonarola)

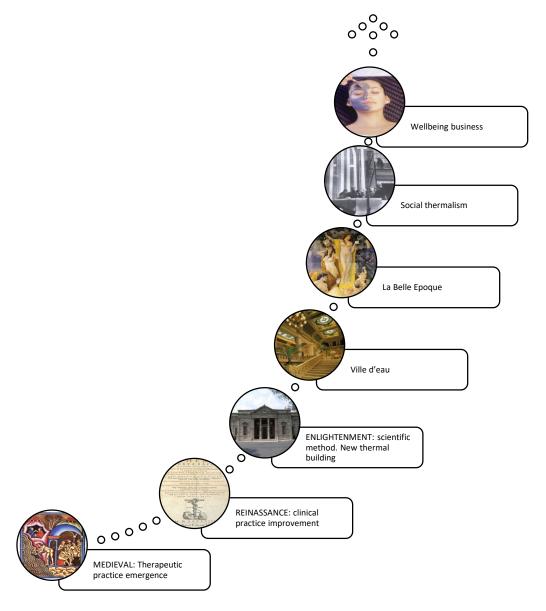
Enlightenment (XVIII century): scientific method applied on balneology combined with naturalistic observation. Magnificent new thermal building.

XIX century: Ville d'eau

XX century: from la "Belle Epoque" elite thermalism to social thermalism

University teaching of thermalism and medicine specialization

Thermalism in the wellbeing business (SPA)





High local concentration More than 50% located in two small areas:

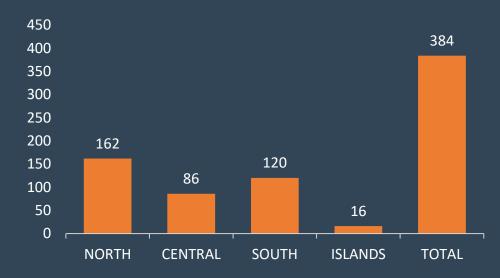
- North east (27,4%)
- Ischia Island (26,6%)
- High fragmentation
 Large number of small properties
- Thermal hotels 30.000 beds
- 489 thermal water mining concessions

Nicola Angelo Fortunati

Source: Federterme – Ministry of Economics and Finance



THERMAL PROPERTIES IN ITALY 2017



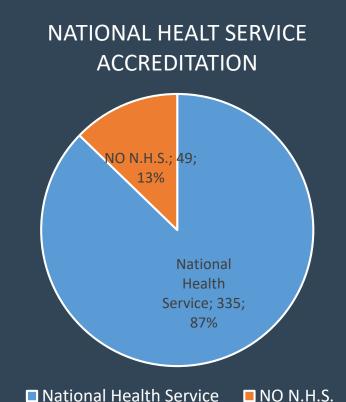


6 Extensive government ownership 11 Total government ownership

Source: Federterme 5



- Important local healthcare facilities
- 87% of thermal facilities are accreditated by National Health Service
- In compliance with:
 - Therapeutic appropriateness principles
 - management efficency



Source: Federterme





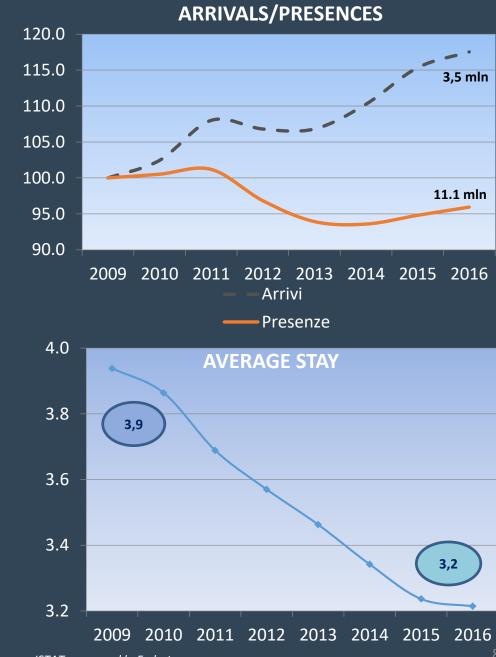
THERMAL GUEST MIX 2017		
Total guests	2.790.000	
Italian	88%	
Foreign	12%	
Women	57%	
Average age	45 – 50 years	

REASON WHY		
Relax & leisure	28%	
Remise en forme	19%	
Appearance improving	16%	
Healthcare	13%	
Gift	10%	
Pain relieve	7%	
To socialize	6%	
Other	1%	

Source: Federterme 7









- Total turnover 2016: € 731 mln.
- Yearly average growth rate
 - Thermal therapy: 1,5%
 - Hotel & other: 0%
 - Total: 0,7%
- Thermal sector added value in 2017:
 - € 564 mln.
 - 3,5% more vs 2016
- Accumulation rate (investment/added vaule):10%
 - Uncertainty period
 - Difficulty to access to bank credit for small companies

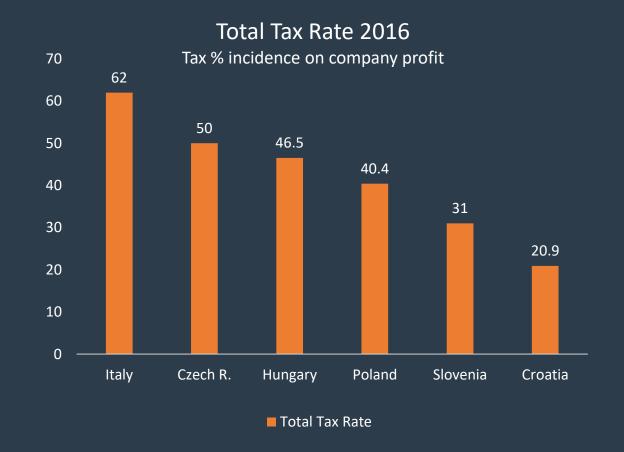


Source: Federterme





INCOM COMPONENT 2017		
Total incom	€ 747 mln.	
2017 vs 2016	+ 2,6%	
N.H.S. Therapy	- 0,2%	
Other	+ 3,1%	
Expense for good and services	€ 343 mln.	
Employees	11.500	
Cost of labour	€ 293 mln.	





Downsides

Gradual reduction of average stay

High competition pressure

Heavy crisis of public ownership companies

Limited Government intervention in tourism industry

East Europe Growing price competition

Upsides

Gradual change of lifestyle and consumption models (health concept evolution)

Population aging (long term care demand increasing)

Need of more appropriateness, less cost and less side effects in therapies

Building and plants modernization investments and services diversification



In the WHO/European Region



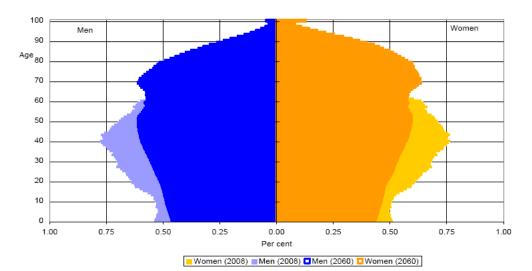
over 50% of people are overweight or obese



over 20% of people are obese

www.euro.who.int/obesity





Source: Eurostat, EUROPOP2008 convergence scenario

Hospitality Collection

The 21th century Silent Epidemics

- Obesity
- Non Communicable
 Diseases (NCDs)
- Aging



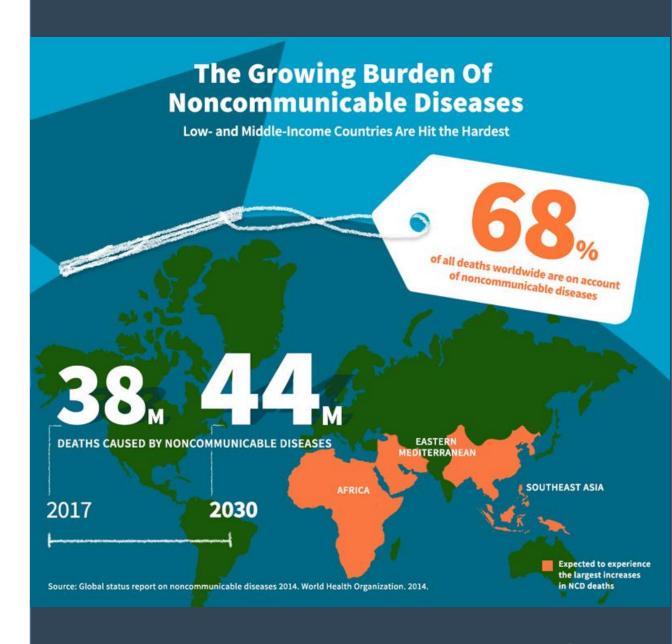
 Non Communicable Diseases (NCDs) kill 40 mil. people/year

- 68% of all deaths globally
- 80% of NCDs deaths occur in low and middle income countries

Cost over the next 20 years: \$ 47 tril.
 (cumulative output loss)

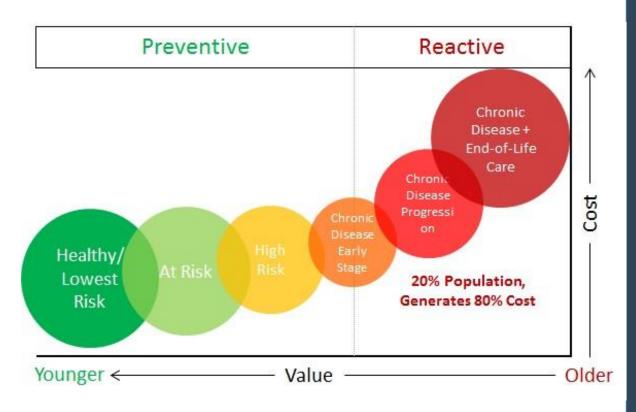
Source: Harvard Medical School, WEF, McKinsey







Wellness will become mandatory



Preventative healthcare

To reduce costs

To improve quality of health and life



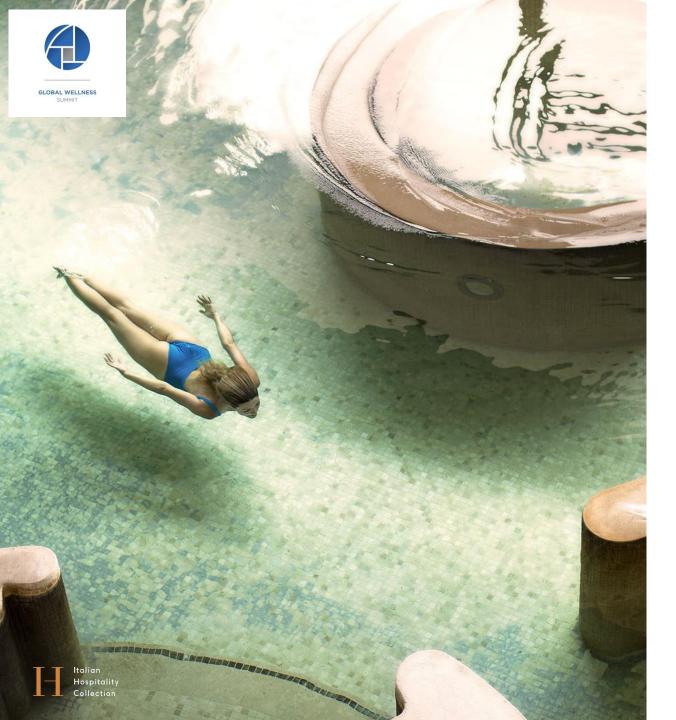


MEDICAL WELLNESS IN MEDICAL THERMAL SPA

- Thermal water
- Specific and personalized protocols
- Up to date preventive and predictive evaluation
- Health culture
- Experience and learn healthy behaviours







EQUILIBRIUM P.N.E.I. BASED The 4 pillars of Equilibrium Wellness Philosophy

Equilibrium is an innovative approach to preventing and treating inflammation, based on four fundamental pillars:

- Nutrition,
- Thermal therapies,
- Antistress techniques
- Physical exercise.

The Equilibrium method includes treatments designed primarily to "switch off" hyperactive stress and inflammation system.







CON TUTTA LA NOSTRA PASSIONE

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