



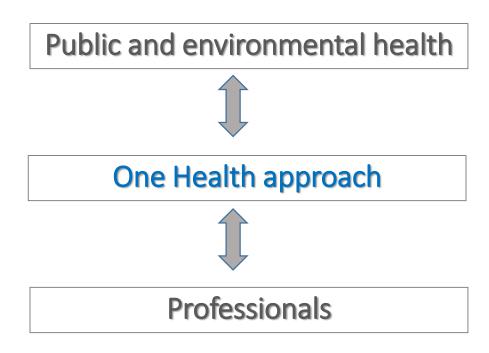
Public and Environmental Health History a novel approach to comprehensive review and promotion

THE ONGOING PROJECT

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One Health approach



What

to attain optimal health for people, animals and the environment.

Approach

 to designing and implementing programmes, policies, legislation and research in which multiple sectors communicate and work together to achieve better public health outcomes.

Work together

 professionals with a range of expertise who are active in different sectors, such as public health, animal health, plant health and the environment.

Professionals - Work together



Public health professional

Environmental health professional Sanitary engineering professional

Professionals - Work together

Public health as a profession	The art and science of preventing disease, prolonging life and promoting health through the organized efforts of society						
	LJ						
Environmental health as a profession	Environmental health is that branch of public health that is concerned with all aspects of the natural and built environment that may affect human health						
	 An activity that covers all technical fields where engineering activities are more efficient then 						
Sanitary engineering	medical action to settle public health problems.						
as a profession	 To adapt mans environment by engineering means to the requirements of his health. Applied to public health and not personal health of an individual. 						

Professionals - Historical background

Sanitarian

 a person who is trained and experienced in the field of sanitary science and technology and who is authorized to carry out the educational, inspectional and enforcement duties in the field of environmental health services

"Sanitary engineer"

- a common term to denote those who have the basic knowledge of engineering and health sciences
- possess specific knowledge and skills for solving hygienic, technical and environmental problems indoors and outdoors
- especially trained to deal with hygiene problems in facilities, processes and activities that are important for maintaining a healthy living environment

Professionals - Historical	background
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The training of Sanitary engineers: schools and programmes in Europe and USA

Lack of true sanitary engineers courses in Europe

The education of engineers in environmental health



Broadening scope of environmental health in industrialized society

1973

Study on manpower requirements in environmental health

The role and training of sanitary engineers and other environmental health personnel

Professionals - Historical background



In the USA the term *"sanitary engineering"* is being replaced by the term *"environmental engineering"* to reflect the broader impact of engineering efforts to control and prevention of environmental hazards

- Tendency at university level to forget the public health approach and to revert to the traditional civil engineering approach
- Tendency to emphasize environmental rather then the public health approach
- Copenhagen 1982 Consultation on the public health component of SE training cubicula:
 - "International recognition only of those sanitary (or public health) engineering courses in Europe which stress public health in their curriculum!"
 - "Those courses which fail to include sufficient public health training should no longer be called sanitary engineering courses! "





Academics, lecturers, teachers, teacher trainers Agriculturists Agronomists Architects Bacteriologists Biochemists Chemical process engineers Civil engineers Climatologists Communications experts Disaster preparedness specialists Ecologists Economists Engineering specialists (with postgraduate gualifications) Entomologists Environmental biologists Environmental chemists Environmental engineers Environmental health administrators Environmental health educators Environmental health managers Environmental health officers Environmental health planners Environmental health technicians Environmental lawyers Epidemiologists (with medical degree) Epidemiologists (without medical degree) Ergonomists Fire safety officers Food inspectors Food safety specialists Geneticists Geographers Geologists Health promotion experts Hydrogeologists

Hydrologists Hygienists Information scientists Laboratory assistants/technicians Marine scientists Materials technologists Medical specialists (with postgraduate gualifications in the public health area) Meteorologists Microbiologists Noise inspectors Nuclear safety managers Nutritionists Occupational health nurses Occupational health physicians Occupational hygienists Physicists Political scientists Pollution inspectors Psychologists Public health nurses Public health physicians Public health veterinarians Public relations experts Risk assessors Rural and urban planners Safety inspectors Sanitary engineers Sanitary officers Social scientists Social workers Soil scientists Statisticians Technical assistants Toxicologists Transport planners/managers Water quality inspectors Zoologists

Fitzpatrick, M. (2002). Environmental Health Services in Europe 6:

The development of professional associtations

World Health Organization, Regional Office for Europe.

AIM: A novel approach to comprehensive review and promotion

With the aim of providing younger generations of graduates and the wider professional and general public a comprehensive review of public and environmental health development, the Chamber of Public and Environmental Health Professionals of Slovenia / Institute of Public and Environmental Health have developed an online platform entitled "Historia Sanitaria"



METHODS: A novel approach to comprehensive review and promotion

Two approaches for data collection were applied

- available online data
- considered the relevance for public and environmental health area in general
- relevance for the professionals in Slovenia, who integrate public health and environmental health area by their professional work, was also considered

 we contacted members of EFEH/IFEH and EUPHA to provide us with contributions relevant for their countries



RESULTS: Existing approaches

Limitation of existing approaches

- one discipline mainly in the field of public health
- very general or very specific for one country

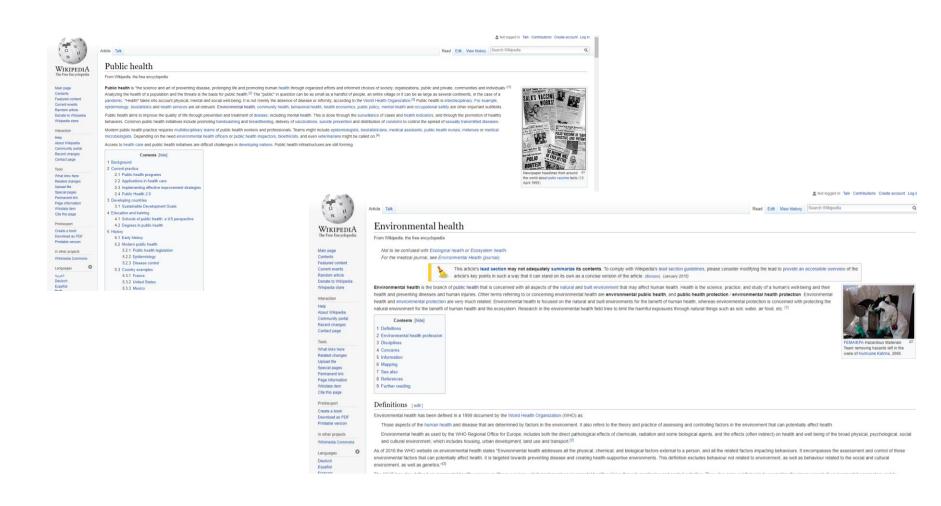
A novel approach to comprehensive review and promotion of public and environmental health



HISTORIA SANITARIA

Complete Guide Through Sanitarian History

RESULTS: Existing approaches



RESULTS: Existing approaches

ScienceDirect	Journals	Books	Andrej Ovca 👌 🕜	Brought to you by: CTK Ljubljana
History of Public Health			Related terms: Infectious Disease, Trad Chinese medicine, Tube Human Immunodeficie Paper, Public Health Po Chronic Disease, Small Prevention, Vaccination	rculosis, ncy Virus, licy, pox, Disease
Learn more about History of Public Health				
A History of Public Health Theodore H. Tulchinsky MD, MPH, Elena A. Varavikova MD, MPH, PhD, in The New Public Health (Third Edition), 2014	Theodore H. Tulch	insky MD, M	cept of Public He PH, Elena A. Varavikova M Health (Third Edition), 201	D,
Centre for History in Public Health		E		
Promoting and undertaking high quality research in on historical discipline and to historical understanding in	n the field of public h	the develop eealth policy	S. 20102000000000055	
welcoline to the Cent Public Health The Center for Healton in Healt Listritation in the late 1986s, its loss	Health (CHEPH) was established DS Social History Programme at	Se	arch	



The Deadly History of Public Health



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Public health provision was completely transformed as the 19th century progressed. Overcrowding, dirt, poverty and disease went hand in hand at the century's start, but by the 1900s energetic social reformers had comprehensively turned things round. PokA2 $Vc\hat{C}$



Online platform

https://www.wiki.sanitarc.si/ •



ABOUT HISTORIA SANITARIA EDITORIAL BOARD CONTACT US Q HOME



1524 – First ordinances for control of human creta

1527 - First pumps for water supply



1543 - Water supply and sewage plant (with farm) at Bunzlau (Silesia)



1558 - Luigi Cornaro publishes treatise on personal hygiene

1593 - El overcrow

About Histo	oria Sanitaria	Articles by year	Í	Articles by country	
2 1	<i>"Historia Sanitaria"</i> is designed in online	From 2017 to 2000	\mathbf{v}	Austria	
7 (V)	form so that we can chronologically	1999 - 1900	~	Bosnia and Herzegovina	0
	arrange landmark	1899 - 1800	~	Croatia	~
ASA	events and achievements of	1799 - 1700	×	France	$\overline{\times}$
IRUS	individuals in the field of sanitary profession.	1699 - 1600	~	Germany	2





Online platform

 important historical / current events and achievements of individuals are chronologically arranged across different time periods.

	Articles by year		Articles by country
From 2017	to 2000	Austria	~
1999 - 1900 1899 - 1800			1786 – Protection of factory apprentices 14. 4. 1786
	1899 – Sir Ronald Ross demonstrated that malaria could be controlled by mosquito control 7. 4. 1899		1599 – Prohibited sale of milk, butter and cheese 14. 4. 1599
- Eiz	1899 - Hookworm eggs found in the stool 7. 4. 1899		• Herzegovina
	1898 – Rat flea identified as a carier of bubonic plague 8. 4. 1898	Croatia	8
	0, 4, 1070	France Germany	×

all articles 0



Online platform

 217 contributions related currently to the nine different countries in a timeline from the year 18 AD to 2017

Articles by year		Articles by country						
From 2017 to 2000	\sim	Austria	>			HOME	BOUT HISTORIA SANITARIA EDITORIAL BOARD	CONTACT US Q
1999 - 1900	~	Bosnia and Herzegovina	\mathbf{v}	HISTORIA SANITARIA HOME ABOUT HISTORIA SANITARIA EDITORIAL BI Complete Guide Through Sanitarian History				
1899 - 1800	~	Croatia	\sim	10 AD, Roman Engineer:	Phrank The	(TE)	18 - M	Ballier Delays Second Of Contract Of Contr
1799 - 1700	~	France	×	long ago cracked their imit, and I			5 P	Conserve And Annual Conserver
1699 - 1600	~	Germany	\mathbf{v}	see no hape of forther developments."	Ma ma	AL DESCRIPTION		AND
1599 - 1500	~	Slovenia	\mathbf{v}	Frontinux was the curstor aquarum of Nerva, and he wrote		P PF		Territorian Saw
1499 - 1400	~	Serbia	\mathbf{v}	97 A.D. – First book on water supplies	Circa 50 A.D. – Purification of water	18 A.D. – Roman Baths (thermae) opened by Vipsanius Agrippa	643 – Compensation for injuries	644 – Edict of Rotharus, King of Lombardy, for segregation of
1399 - 1300	~	United Kingdom	\mathbf{v}	999 - 0 A.D., Italy				lepers 999 - 0 A.D., France, Italy
1299 - 1000	~	United States of America	×					
999 - A.D.	~							
B.C.	\sim							



Online platform

- Visitors can browse through the published contributions, either considering timeline or country of origin
- The developed platform is an **ongoing project**, which is expanding with new contributions whereas also already published are continuously updated and upgraded.



The One Health Triad



FOR THE FUTURE: HISTORIA SANITARIA

We would like to invite all to participate and to send us part of your history or current important achievements in the field of public and/or environmental health.

We are offering you a possibility for indepandent category dedicated to IFEH history as an equal part of portal Historia Sanitaria.

Website: www.wiki.sanitarc.si

E-mail: info@institut-isi.si



CONCLUSION

More importantly than having a piece of paper, a diploma or a certificate, **professionalism** is derived from achievement and resultant recognition by peers, subordinates, the public and public policy leaders.



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