



100 CITIES – 100 YEARS

Evaluation Of Urban Fire Risks

EXPOSEE

Over the centuries, cities became economic, scientific, administrative and cultural centers of the countries. This process accelerated especially in the 20th century. Life in the cities has become very pleasant for their inhabitants. Notwithstanding these manifold benefits of city life, the administrations of urban centers are increasingly confronted with problems: The streets of the cities are suffering from the ever increasing mass of vehicles. Noise and air pollution are the result. Housing is scarce in the centers. They cities grow in height and on the outskirts. The supply of drinking water is a problem in many places. Waste management is a major organizational and technical challenge for the city administration. One of the most important issues within the increasingly complex infrastructure of large cities is the safety and security factor. It is no coincidence that the municipalities have set up special services that deal with these problems: police, fire brigade, emergency services, disaster services for the gas, electricity, gas supply and communication networks (telephone, Internet). Purpose of the book is to take a closer look at the subject of fire safety. In the last century, cities have experienced a variety of revelations with the introduction of new building materials, new types of buildings, and new ways of using the buildings. Many advances in fire prevention have been made. Nevertheless, the fire danger in the cities is not banished.

Center for Fire Statistics of CTIF
CFS-CTIF

FAQ and Project Diary

Dear Sir or Madam, dear colleagues and friends!

The table below shows the activities undertaken for moving forward with the project. All news and changes in the project are displayed here. Please search for:

Table 1 Project Diary

Date	Remark / Contact person / organization	Content, remark		
2022-10-30	Summary of cities participating/included in the project? We are missing cities: Africa, Oceania.	Region	Cities, total	Cities, %
		Africa	6	4,7
		Americas	29	22,8
		Asia	36	28,3
		Europe	54	42,5
		Oceania	2	1,6
		Total	127	100
2022-10-01	US-Cities	Fire Chief Otto Drozd, the acting executive secretary of the Metropolitan Fire Chiefs Association, take over the promotion of book project within US-Cities.		
2022-07-20	CTIF General Assembly	The current project status presented at General Assembly in Celje (Slovenia).		
2022-06-18	Africa	Draft chapters available now for Lagos, Kampala, Accra.		
2022-06-17	Summary of cities participating/included in the project? We are missing cities: North America, Africa.	Region	Cities, total	Cities, %
		Africa	6	5,0
		Americas	28	23,5
		Asia	32	26,9
		Europe	51	42,9
		Oceania	2	1,7
Total	119	100,0		
2022-05-22	Where will the book be printed?	For logistical and financial reasons, we prefer the option of printing the book in Europe. Distribution is also based on European possibilities. Alternative suggestions are welcome.		
2022-05-16	Is there actually a fee for the authors of the individual chapters?	Yes, this is included in the calculation for publication. So all co-authors should be positively motivated.		
2022-04-25	Are the authors aware of the various current problems in the states of the participating cities?	We fundamentally believe that the need for safety plays an important role in every family, in every community and in every state. With regard to the fires that unfortunately break out in every city of our planet, causing much suffering, all people are threatened by similar dangers. We want to help		

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Date	Remark / Contact person / organization	Content, remark		
		understand why these hazards arise and how solutions can be found to reduce these hazards.		
2021-12-23	Europe	Work on the chapters of new cities has started: Switzerland, Austria.		
2021-12-15	Asia	Work on the chapter of new city has started: Lahore.		
2021-09-27	Summary of cities participating/included in the project? We are missing cities: North America, Africa.	Region	Cities, total	Cities, %
		Africa	4	3
		Americas	29	25
		Asia	31	27
		Europe	50	43
		Oceania	2	2
		Total	116	100
2021-09-26	Africa	The chapter about Lagos (Nigeria) finalized. Chapter about Accra (Ghana) is finished now. We have now made contact with Cairo.		
2021-09-11	Participation of City of Dresden	In connection with the 9/11 events in the USA, some cities and fire departments asked us which cities in Germany are represented in the project. The question arose why only Berlin from eastern Germany was on the list. All other cities (Cologne, Hamburg, Munich and Frankfurt) represent western Germany. Suddenly the desire arose to include the city of Dresden on the list of Europe because of its cultural and historical importance and the special situation during WWII. We comply with the request and have sent out a corresponding invitation.		
2021-09-08	Data requested as MINIMUM	<p>A number of emails and calls received give us the option clarify the MINIMUM of statistical information we need to evaluate the urban fire risks for every single city:</p> <ul style="list-style-type: none"> • Inhabitants (1900-2018) p.a. • Area of city in sq.km (1900-2018) p.a. • Sum of fires (1900-2018) p.a. • Fire Deaths, total (1900-2018 p.a.) <p>All other data fields are nice to have, but it is up to the city present more interesting information, if you can and if you wish.</p>		
2021-04-12	Table of contents, chapter 2	<p>The newly organized Chapter 2 now deals with the following questions:</p> <ul style="list-style-type: none"> • Fire risks in the world (experience of the CTIF from more than 25 years of work on the World Fire Statistics), • About the Term City, • Urban Fire Risks (how many fires there were in the cities before 1900, Fire Gap - Crisis 		

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Date	Remark / Contact person / organization	Content, remark																					
		Notes on the Development of Fires and Population in Urban Areas).																					
2021-03-01	Guttorm Liebe has passed away	Guttrum Liebe is author of chapter "Oslo". Dear friend rest in peace!																					
2020-12-03	Status	<p>We have currently almost completed work on the Japanese cities: Kobe, Kyoto, Nagoya, Osaka, Sapporo, Tokyo, and Yokohama.</p> <p>In the meantime, colleagues from the Italian fire brigades have joined our project: Bari, Bologna, Florence, Genoa, Milan, Naples, Palermo, Rome, San Marino, Turin, Vatican City, and Venice.</p> <p>The work for the chapters of the cities of South America has actively started: Bogota, Buenos Aires, Montevideo, Quito, Rio de Janeiro, Santiago de Chile, Sao Paulo, Valparaiso, Mexico City, and Lima.</p> <p>In the appendix to this email you will find the description of the current project status.</p> <p>We ask all cities to continue working on the respective chapter and to send you the information step by step.</p>																					
2020-12-03	Summary of cities participating/included in the project? We are missing cities: North America, Africa.	<table border="1"> <thead> <tr> <th>Region</th> <th>Cities, total</th> <th>Cities, %</th> </tr> </thead> <tbody> <tr> <td>Africa</td> <td>2</td> <td>2</td> </tr> <tr> <td>Americas</td> <td>29</td> <td>27</td> </tr> <tr> <td>Asia</td> <td>26</td> <td>24</td> </tr> <tr> <td>Europe</td> <td>48</td> <td>45</td> </tr> <tr> <td>Oceania</td> <td>2</td> <td>2</td> </tr> <tr> <td>Total</td> <td>107</td> <td>100</td> </tr> </tbody> </table>	Region	Cities, total	Cities, %	Africa	2	2	Americas	29	27	Asia	26	24	Europe	48	45	Oceania	2	2	Total	107	100
Region	Cities, total	Cities, %																					
Africa	2	2																					
Americas	29	27																					
Asia	26	24																					
Europe	48	45																					
Oceania	2	2																					
Total	107	100																					
2020-07-31	Can the city get the book "100 Cities - 100 Years" when participating in this project? Does the city have to pay for participating in the project or receiving the book?	1. After publishing the book, every city gets a copy of the book. 2. Participation in the project is free, with no fees.																					
2020-06-26	Summary of cities participating/included in the project? We are missing ten more cities.	<table border="1"> <thead> <tr> <th>Region</th> <th>Cities, total</th> <th>Cities, %</th> </tr> </thead> <tbody> <tr> <td>Africa</td> <td>2</td> <td>2</td> </tr> <tr> <td>Americas</td> <td>25</td> <td>28</td> </tr> <tr> <td>Asia</td> <td>27</td> <td>30</td> </tr> <tr> <td>Europe</td> <td>34</td> <td>38</td> </tr> <tr> <td>Oceania</td> <td>2</td> <td>2</td> </tr> <tr> <td>Total</td> <td>90</td> <td>100</td> </tr> </tbody> </table>	Region	Cities, total	Cities, %	Africa	2	2	Americas	25	28	Asia	27	30	Europe	34	38	Oceania	2	2	Total	90	100
Region	Cities, total	Cities, %																					
Africa	2	2																					
Americas	25	28																					
Asia	27	30																					
Europe	34	38																					
Oceania	2	2																					
Total	90	100																					
2020-06-22	Directora Ejecutiva de Organizatio De Bomberos Americanos (O.B.A.) https://www.bomberosamerica.org/en/	Latin America and the Caribbean (by UN definition) now enter the project: Ecuador, Guatemala, Argentina, and Uruguay.																					

Date	Remark / Contact person / organization	Content, remark
2020-06-14	Please indicate the name of the country according to the name of the city.	We use: http://www.unece.org/cefact/locode/countries.html , UN/LOCODE Country names ISO 3166-1
2020-06-13	There are dates in the "Notable Fires" table. The format of this information should be explained at the end of the table.	The following explanation is inserted in the footnote of the table: Date - YYYY-MM-DD.
2020-06-01	Proposal for Book title:	As the aim of the book is the evaluation of fire risks in large cities its proposed the following title name: " 100 Cities – 100 Years - Evaluation Of Urban Fire Risks "; There should be a clear distinction from forest fires
2020-05-31	Can you please mark the positions better with updates?	Thanks for the hint! Updated text passages are marked with the word (and highlighted in color). We hope it is now easier to find. Please use the search function in the PDF program to search for search.
2020-05-30	New date for publishing the book?	We try realize May 2021.
2020-05-10	Is it possible to better visualize the status of the chapter?	Thanks a lot for the advice! We propose to use three colors: Red – poor status, Yellow – in progress, and Green – functional status. Please check status of your chapter and send a feedback.
2020-05-07	When will the book be published?	The book will published in 2011 due to the circumstances associated with the corona pandemic and the relocation of INTERSCHUTZ to next year.
2020-04-05	Some authors suggested that the current status for each city should show at different points in the document, but only temporarily in the table of contents	Status of chapter shown in the table of contents of each city. The following information is constantly updated: [00% -Data_00% -Text_00% Risks] - Share of statistical data, the share of written text passages, and share of the identified fire risks. So there are two basic situations: either [00% -Data_00% -Text_00% Risks] - the city in charge has provided absolutely no information or [95% -Data_95% -Text_95% Risks] - the city in charge has provided all data (the remaining 5% are reserved for proofreading by experts).

Chapter of book project

In the book project, all named cities are represented. The list is continually expanding until we reach the number of 100. It intended to enumerate the cities in the final form in alphabetical order per continent.

As for table 2 please note:

D, % - Share of data collection,

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T, % - Share of draft text,

R, % - Share of fire risk calculation is done,

PP – number of pages per chapter so far,

PR – number of proof readings per chapter.

Table 2 Content of the book

Chapter	Description	D, %	T,%	R,%	Author (s)	PP	PR
0_0_00	Prolog		65		Center of Fire Statistics of CTIF (CFS CTIF)	1,0	0
1_1_00	Forewords						0
1_0_01	Foreword from the President of CTIF		75		Milan Dubravac	0,5	0
1_0_02	Foreword from Metro Fire Chiefs Association		0			0,5	0
1_0_03	Foreword		0		YYY	0,5	0
1_0_04	Foreword		0		YYY	0,5	0
1_0_05	Foreword		0		YYY	0,5	0
2_0_00	Introduction - How to read the publication?						
2_1_00	World Fire Risks	95	95	95	CFS CTIF	59,0	0
2_2_00	About the term City	95	95	95	Peter Wagner	1,0	0
2_3_00	Urban Fire Risks	95	95	95	Peter Wagner	77,0	0
3_0_00	Fires in the cities of the continents						0
3_1_00	Africa						0
3_1_01	Accra (Ghana)	90	90	90	Peter Wagner	11,0	0
3_1_02	Cairo (Egypt)	10	10	5	Adham Abulnour	1,0	0
3_1_03	Cape Town (South Africa)	0	0	0	YYY	1,0	0
3_1_04	Kampala (Uganda)	90	90	90	Peter Wagner	9,0	0
3_1_05	Lagos (Nigeria)	95	95	95	Peter Wagner	17,0	0
3_1_06	Tshwane / Pretoria (South Africa)	0	0	0	YYY	1,0	0
3_2_0	Americas					0,5	0
3_2_01	Baltimore (United States)	45	0	0	YYY	1,0	0
3_2_02	Bogota (Colombia)	45	0	0	YYY	1,0	0
3_2_03	Boston (United States)	95	50	90	YYY	1,0	0
3_2_04	Buenos Aires (Argentina)	0	0	0	Rafael Daniel De Wouters	1,0	0
3_2_05	Calgary (Canada)	10	0	0	Steve Dongworth	1,0	0
3_2_06	Chicago (United States)	45	25	0	YYY	1,0	0
3_2_07	Edmonton (Canada)	5	0	0	YYY	1,0	0
3_2_08	Fairfax County (United States)	90	95	90	Richard Merrell	1,0	0

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Chapter	Description	D, %	T,%	R,%	Author (s)	PP	PR
3_2_09	Guatemala City (Guatemala)	0	30	0	Miriam Morales, Marco España, Kevyn Edoardo González García	1,0	0
3_2_10	Guayaquil (Ecuador)	0	90	0	Cinthya Chávez, Goldy Rivas	1,0	0
3_2_11	Hartford (United States)	0	95	0	C. Cooper, H. Tulier, M. Eremita, L. Cieri	1,0	0
3_2_12	Houston (United States)	5	8	0	Leonard Chan, Michelle McLeod, Rodney West	1,0	0
3_2_13	Kansas City (United States)	95	95	65	Justin Powers	1,0	0
3_2_14	Lima (Peru)	30	10	5	YYY	1,0	0
3_2_15	Mexico-City (Mexico)	90	95	90	Peter Wagner	1,0	0
3_2_16	Montevideo (Uruguay)	0	10	5	Lucas Cardoso, Martín Miguez	1,0	0
3_2_17	New York City (United States)	90	90	90	Peter Wagner	1,0	0
3_2_18	Oklahoma (United States)	15	85	0	Benny A. Fulkerson	10,0	0
3_2_19	Philadelphia (United States)	20	0	0	Adam Thiel	1,0	0
3_2_20	Phoenix (United States)	15	90	0	Cody Worrell	12,0	0
3_2_21	Quito (Ecuador)	5	0	0	Ana Maria Corral, Diana Realpe	1,0	0
3_2_22	Rio de Janeiro (Brazil)	5	5	0	YYY	1,0	0
3_2_23	Sacramento (United States)	5	0	0	YYY	1,0	0
3_2_24	San Antonio (United States)	5	0	0	YYY	1,0	0
3_2_25	San Francisco (United States)	50	0	0	Brice Peoples	1,0	0
3_2_26	Santiago de Chile (Chile)	75	90	75	Víctor Arias, Luis Carrasco, Gonzalo Rudolphy, Juan Carlos	1,0	0
3_2_27	Toronto (Canada)	50	10	50	Michelle Stronach	1,0	0
3_2_28	Valparaiso (Chile)	10	0	0	YYY	1,0	0
3_2_29	Winnipeg (Canada)	5	0	0	John A. Lane	1,0	0
3_3_00	Asia					0,5	
3_3_01	Amman (Jordan)	97	95	95	O. Latifeh, S. Werekat and A. Khraisat	13,0	2
3_3_02	Bangkok (Thailand)	75	95	85	Peter Wagner	14,0	2
3_3_03	Beijing (China)	97	95	95	Peter Wagner	16,0	2
3_3_04	Busan (Korea)	10	25	10	YYY		
3_3_05	Chennai / Madras (India)	97	95	95	Peter Wagner	13,0	2
3_3_06	Delhi (India)	97	95	95	Peter Wagner	15,0	2
3_3_07	Dhaka (Bangladesh)	90	90	90	Md. Humayun Kabir; Hussain, Md. Sazzad	15,0	2
3_3_08	Dubai (United Arab Emirates)	97	95	95	Peter Wagner	15,0	2
3_3_09	Hanoi (Vietnam)	85	85	85	Sergei Sokolov / Peter Wagner	11,0	2
3_3_10	Ho Chi Minh / Saigon (Vietnam)	40	65	20	Sergei Sokolov / Peter Wagner	1,0	
3_3_11	Hong Kong (China)	97	95	95	Peter Wagner	12,0	2
3_3_12	Irkutsk (Siberia, Russia)	90	90	90	Sergei Sokolov, Peter Wagner	13,0	1
3_3_13	Jakarta (Indonesia)	95	95	95	Peter Wagner	14,0	2
3_3_14	Kanpur (India)	95	95	95	Peter Wagner	11,0	2

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Chapter	Description	D, %	T,%	R,%	Author (s)	PP	PR
3_3_15	Kathmandu (Nepal)	90	90	90	Peter Wagner	9,0	2
3_3_16	Kawasaki (Japan)	35	40	35	Kyoichi Kobayashi / Peter Wagner	1,0	0
3_3_17	Kobe (Japan)	95	95	95	Kyoichi Kobayashi / Peter Wagner	11,0	1
3_3_18	Kuala Lumpur (Malaysia)	10	0	0	YYY	1,0	0
3_3_19	Kuwait City (Kuwait)	90	95	90	Peter Wagner	11,0	2
3_3_20	Kyoto (Japan)	97	95	95	Kyoichi Kobayashi / Peter Wagner	2,0	2
3_3_21	Lahore (Pakistan)	5	50	5	YYY	1,0	0
3_3_22	Macau (China)	97	95	95	Peter Wagner	10,0	2
3_3_23	Manila (The Philippines)	97	95	95	Peter Wagner	19,0	2
3_3_24	Mumbai / Bombay (India)	85	85	85	Peter Wagner	14,0	2
3_3_25	Nagoya (Japan)	97	95	95	Kyoichi Kobayashi / Peter Wagner	10,0	2
3_3_26	Osaka (Japan)	97	95	95	Kyoichi Kobayashi / Peter Wagner	16,0	2
3_3_27	Pune (India)	97	95	95	Peter Wagner	12,0	2
3_3_28	Riyadh (Saudi Arabia)	97	95	95	Peter Wagner	12,0	2
3_3_29	Sapporo (Japan)	97	95	95	Peter Wagner	12,0	2
3_3_30	Seoul (Korea)	90	90	90	Jihee Eom, Myung eun Son	12,0	2
3_3_31	Shanghai (China)	90	90	90	Peter Wagner	12,0	2
3_3_32	Singapore (Singapore)	97	95	95	Peter Wagner	17,0	1
3_3_33	Taipei (Taiwan)	97	95	95	Peter Wagner	10,0	1
3_3_34	Tokyo (Japan)	97	95	95	Kyoichi Kobayashi / Peter Wagner	15,0	2
3_3_35	Ulaanbaatar (Mongolia)	10	10	10	Byamba Dugar	1,0	
3_3_36	Yokohama (Japan)	97	95	85	Kyoichi Kobayashi / Peter Wagner	10,0	2
3_4_00	Europe						
3_4_01	Amsterdam (Netherlands)	97	95	95	Peter Wagner	13,0	1
3_4_02	Andorra City (Andorra)	90	95	90	Xavier Nuez	12,0	2
3_4_03	Athens (Greece)	97	95	95	Michail Chalaris	15,0	1
3_4_04	Barcelona (Catalonia / Spain)	97	95	95	Ana Miguel Quesada	16,0	1
3_4_05	Bari (Italy)	55	95	55	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	7,0	1
3_4_06	Basel (Switzerland)	95	95	95	Peter Wagner	13,0	1
3_4_07	Belgrade (Serbia)	95	95	95	Dragan Mladjan, Dane Subošić	10,0	1
3_4_08	Berlin (Germany)	99	99	99	Peter Wagner	14,0	2
3_4_09	Bern (Switzerland)	50	60	30	YYY	1,0	
3_4_10	Bologna (Italy)	10	65	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	8,5	
3_4_11	Bratislava (Slovakia)	70	90	90	YYY	6,0	1
3_4_12	Brussels (Belgium)	90	90	90	Nicoletta Casano	11,0	
3_4_13	Budapest (Hungary)	97	95	95	Ferenc Varga, Laszlo Z. Nagy	15,0	1

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Chapter	Description	D, %	T,%	R,%	Author (s)	PP	PR
3_4_14	Cologne (Germany)	95	50	95	Peter Wagner	1,0	
3_4_15	Copenhagen (Denmark)	90	80	95	Peter Wagner	15,0	1
3_4_16	Dresden (Germany)	20	0	0	YYY	1,0	0
3_4_17	Dublin (Ireland)	5	15	5	Las Fallon	1,0	0
3_4_18	Florence (Italy)	10	65	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	7,0	1
3_4_19	Frankfurt / M. (Germany)	95	95	95	Peter Wagner	14,0	1
3_4_20	Geneva (Switzerland)	90	90	90	Peter Wagner	12,0	1
3_4_21	Genoa (Italy)	10	65	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	9,0	1
3_4_22	Gibraltar City (Gibraltar)	97	95	95	Peter Wagner	9,0	1
3_4_23	Graz (Austria)	55	85	55	Heimo Krajnz	1,0	0
3_4_24	Hamburg (Germany)	97	95	95	Peter Wagner	12,0	1
3_4_25	Helsinki (Finland)	99	99	99	Hanna Rekola	13,0	1
3_4_26	Istanbul / Constantinople (Turkey)	30	50	30	Özge Karaman	1,0	0
3_4_27	Kaliningrad / Königsberg (Russia)	97	95	95	S. Sokolov, P. Wagner	12,0	2
3_4_28	Klagenfurt (Austria)	15	25	15	Peter Wagner	10,0	1
3_4_29	Linz (Austria)	25	65	25	Peter Wagner	10,0	1
3_4_30	Ljubljana (Slovenia)	30	85	50	Janez Hocevar	10,0	1
3_4_31	London (United Kingdom)	50	0	50	David Wyatt	1,0	0
3_4_32	Madrid (Spain)	50	50	50	N. Bruschlinsky, S. Sokolov, P. Wagner	16,0	1
3_4_33	Milan (Italy)	10	65	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	1,0	0
3_4_34	Moscow (Russia)	95	95	95	Sergei Sokolov	16,0	1
3_4_35	Munich (Germany)	97	95	95	Peter Wagner	13,0	1
3_4_36	Naples (Italy)	10	65	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	1,0	0
3_4_37	Oslo (Norway)	99	99	99	Guttorm Liebe	14,0	1
3_4_38	Palermo (Italy)	10	65	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	1,0	0
3_4_39	Paris (France)	25	95	25	YYY	14,0	1
3_4_40	Porto (Portugal)	45	35	45	Antonio Oliveira, Óscar Silva, João Nogueira	1,0	0
3_4_41	Prague (Czech Republic)	10	5	5	YYY	1,0	0
3_4_42	Rome (Italy)	10	65	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	1,0	0
3_4_43	San Marino (Repubblica di San Marino)	10	60	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	1,0	0
3_4_44	Sankt Petersburg (Russia)	95	95	95	Sergei Sokolov	14,0	0
3_4_45	Stockholm (Sweden)	97	95	95	YYY	17,0	1
3_4_46	Tallinn (Estonia)	40	45	25	Ivo Paulus, Peeter Randoja	1,0	0
3_4_47	Turin (Italy)	50	90	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	12,0	1

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Chapter	Description	D, %	T,%	R,%	Author (s)	PP	PR
3_4_48	Vatican City (Holy See)	10	90	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	1,0	0
3_4_49	Venice (Italy)	10	90	0	Antonio Pacini, Marcello Serpieri, Maurizio Alivernini	1,0	0
3_4_50	Vienna (Austria)	95	90	95	Peter Wagner	12,0	1
3_4_51	Warsaw (Poland)	97	95	95	Krzysztof Biskup	13,0	1
3_4_52	Yerevan (Armenia)	0	0	0	Khachik Shahbazyan	1,0	0
3_4_53	Zagreb (Croatia)	5	5	5	Milan Komorcec	1,0	0
3_4_54	Zurich (Switzerland)	90	90	90	Jan Bauke, Peter Wagner	12,5	1
3_5_00	Oceania					0,5	0
3_5_1	Perth (Australia)	0	0	0	YYY	1,0	0
3_5_2	Sydney (Australia)	0	0	0	YYY	1,0	0
4_0-00	Analysis of fire risks					0,5	
4_1_00	Risk R1	25	25	25	Sergei Sokolov, Peter Wagner	1,0	0
4_2_00	Risk R2	25	25	25	Sergei Sokolov, Peter Wagner	1,0	0
4_3_00	Risk R3	25	25	25	Sergei Sokolov, Peter Wagner	1,0	0
4_4_00	Risk R4	5	5	5	Sergei Sokolov, Peter Wagner	1,0	0
5_0_00	Strategies for controlling urban fire risks						
5_01_0	CTIF Commission for Women in Fire & Rescue		5		YYY	0,5	0
5_02_0	CTIF Commission for "Extrication and New Technology"		5		YYY	0,5	0
5_03_0	CTIF Firefighters' Health Commission		5		YYY	0,5	0
5_04_0	CTIF Hazmat Commission		5		YYY	0,5	0
5_05_0	CTIF Fire Prevention Commission		5		YYY	0,5	0
5_06_0	CTIF Commission for Fire and Rescue at Airports					0,5	
5_07_0	CTIF Volunteer Firefighters Commission					0,5	
5_08_0	CTIF Competitions Commission					0,5	
5_09_0	CTIF History Commission					0,5	
5_10_0	CTIF Commission for Forest Fires					0,5	
5_11_0	CTIF Fire Investigations Group					0,5	
5_12_0	CTIF Commission Europe					0,5	

100 Cities – 100 Years - Evaluation Of Urban Fire Risks

Chapter	Description	D, %	T,%	R,%	Author (s)	PP	PR
5_13_0	CTIF Scientific Advisory Group					0,5	
5_14_0	CTIF Center for World Fire Statistics					0,5	
6_00_0	Visions for further fire safety in the 21st century					0,5	0
6_01_0	Fire vehicles for tomorrow – Vision of a car manufacturer		5		Rosenbauer	10,0	0
6_02_0	Personal Protective Equipment - Vision of a respirator manufacturer		5		Draeger	5,0	0
6_03_0	Personal Protective Equipment - Vision of a protective suit manufacturer		5		YYY	5,0	0
6_04_0	Fire detection and extinguishing systems of tomorrow		5		YYY	5,0	0
6_05_0	Virtual reality - Training systems for firefighters in the future		5		InSimity	5,0	0
6_06_0	Building fire prevention – Vision of Architects		5		YYY	5,0	0