

# 4th Working Group Meeting

## European Burden of Disease Network

Tallinn, Estonia, 14-15 September 2023

Tervise Arengu Instituut (TAI) - National Institute for Health Development

[www.burden-eu.net/wg4](http://www.burden-eu.net/wg4)

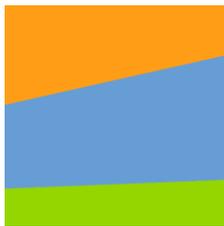
# General Update

## European Burden of Disease Network

Tallinn, Estonia, 14-15 September 2023

Tervise Arengu Instituut (TAI) - National Institute for Health Development

[www.burden-eu.net/wg4](http://www.burden-eu.net/wg4)



# COST Action CA18218 European Burden of Disease Network



[www.burden-eu.net](http://www.burden-eu.net)



*Technical platform to integrate and strengthen capacity in  
burden of disease assessment across Europe and beyond*

# Working groups

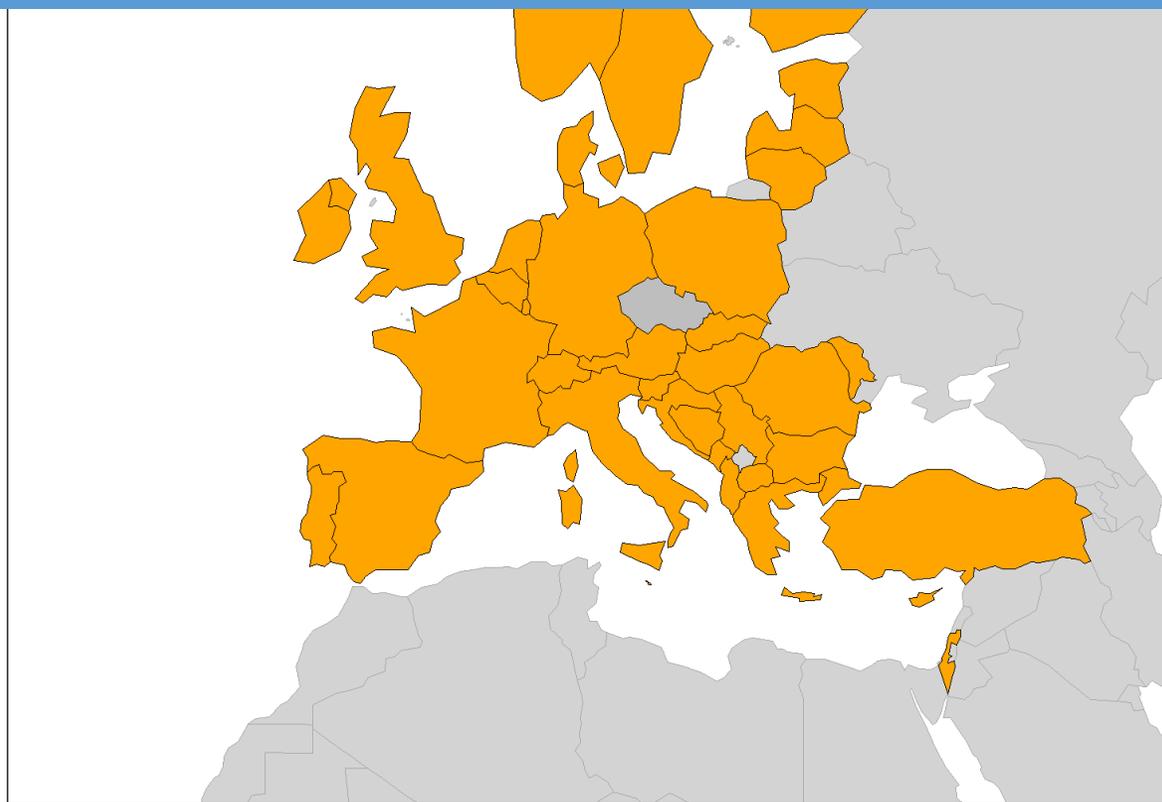


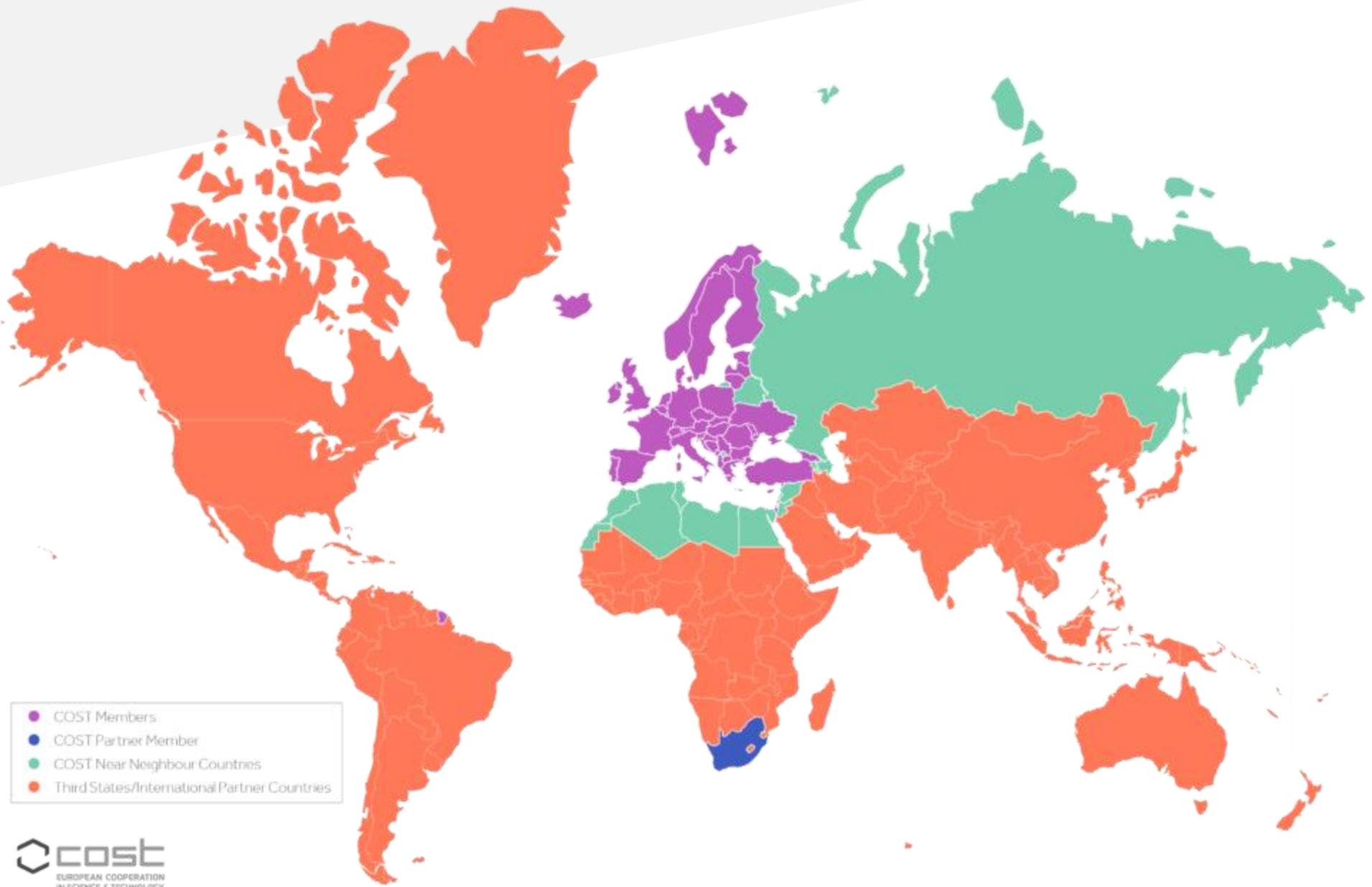
**Grant Awarding Coordinator**  
**Science Communication Manager**

A photograph of a laptop on a wooden desk. The laptop screen shows a video conference with several participants in a grid layout. A blue banner with white text is overlaid across the middle of the image. In the foreground, a green ceramic mug is partially visible on the left side of the desk. The background is slightly blurred, showing a window with white curtains.

**430 members**

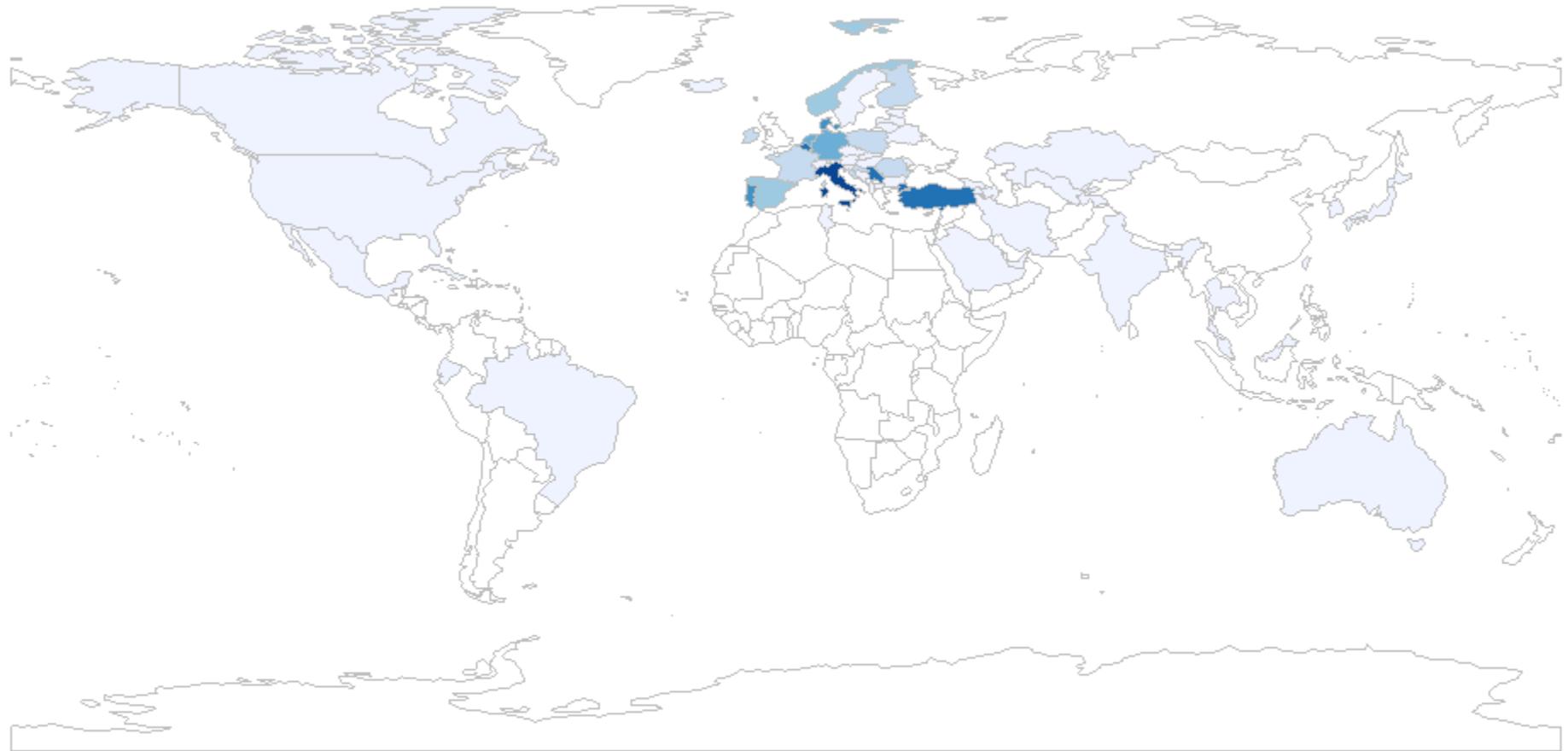
# 38 countries

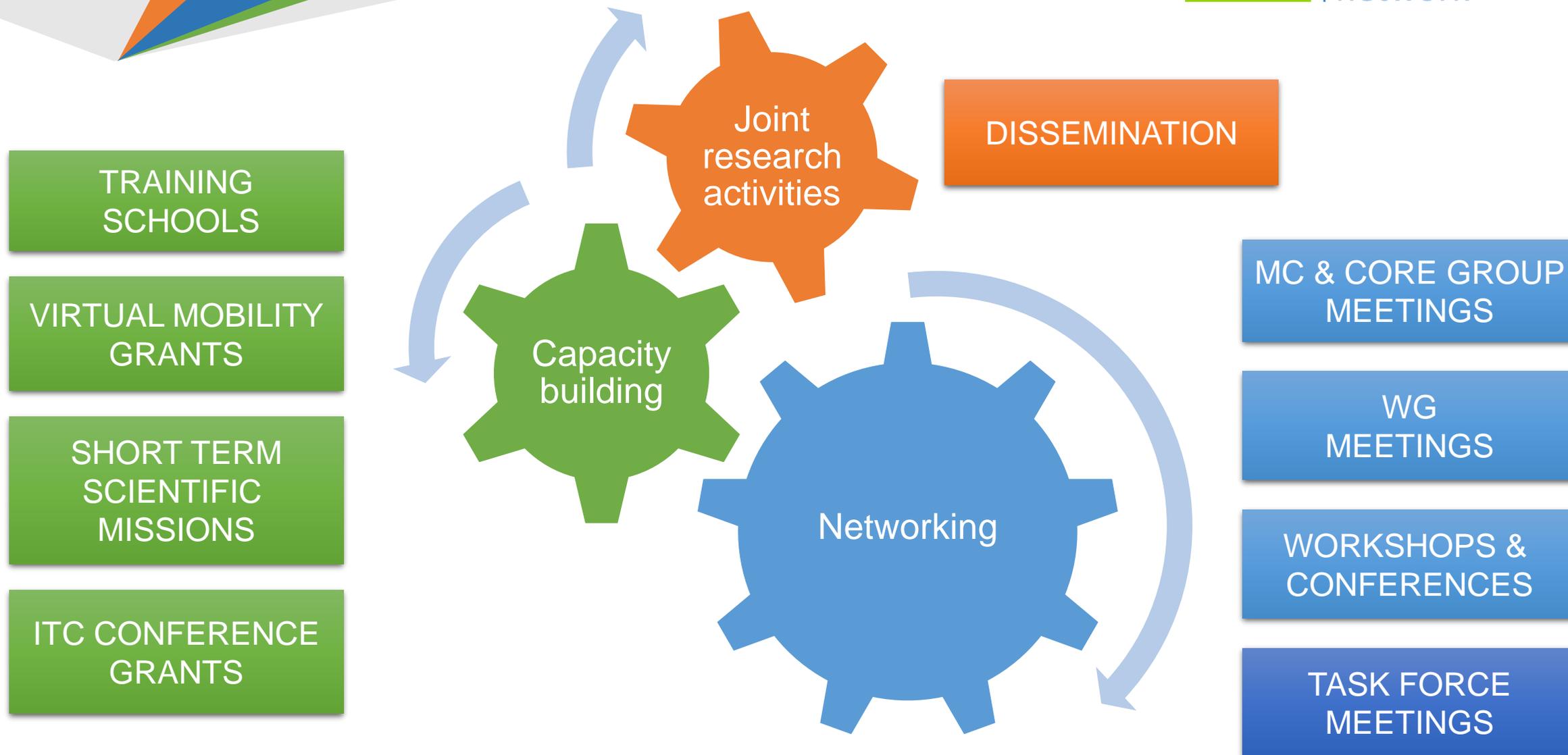




- COST Members
- COST Partner Member
- COST Near Neighbour Countries
- Third States/International Partner Countries

# 64 countries





# MoU Objectives

## Research Coordination

- **Bring together** experts and expertise across different domains, transforming the currently scattered burden of disease landscape into one transnational team
- **Compare and harmonize methods** and approaches for burden of disease assessment
- Identify critical **knowledge and data gaps**, and set up studies for which international coordination is needed
- Serve as an **advocacy group** for the burden of disease approach in Europe

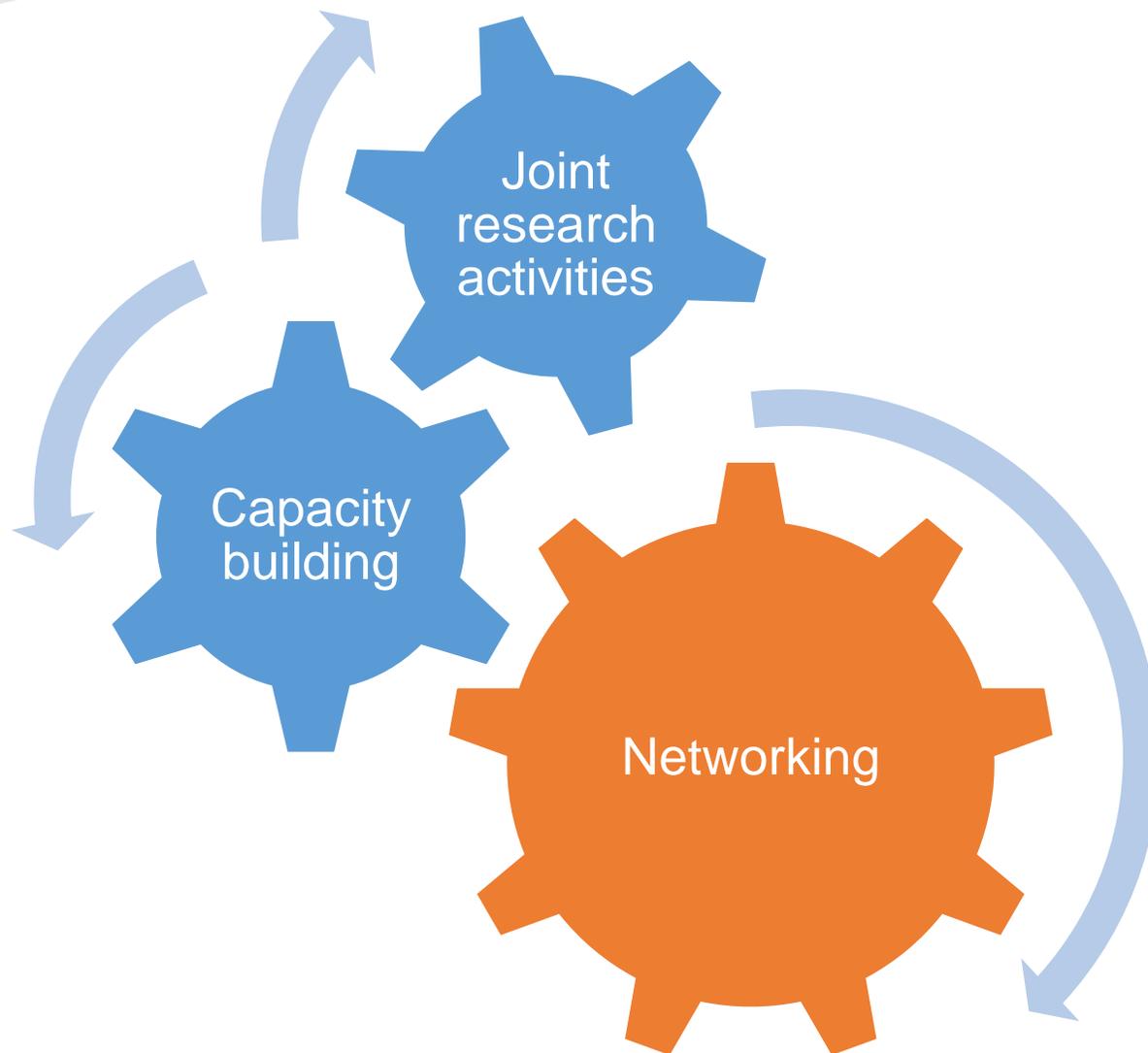
# MoU Objectives

## Capacity Building

- **Build and increase capacity** in burden of disease assessment across Europe
- Serve as a **technical platform** where knowledge and expertise can be shared among established and emerging researchers
- Promote an interdisciplinary approach that **integrates knowledge translation** in the classical burden of disease framework

# Implementation of COST policies







evleeschauwer (Host)

Brec... (Host)



# International Burden of Disease Conference 15-16 September 2022, Belgrade, Serbia



<https://www.burden-eu.net/conference>

<https://www.burden-eu.net/eph2021>



Health, risk factors and inequalities in the EU: Insights from the Global Burden of Disease study



**HEALTH, RISK FACTORS AND INEQUALITIES IN THE EU: INSIGHTS FROM THE GLOBAL BURDEN OF DISEASE STUDY**

14th European Public Health Conference • 10 November 2021

MEER VIDEO'S

0:24 / 52:35

Infographics as a tool for knowledge translation



National Institute for Public Health and the Environment  
Ministry of Health, Welfare and Sport

Later bekij... Delen

An infographic worth a thousand words

**Infographics and the knowledge translation framework**

Henk Hilderink  
Cindy Deuning  
Eveline van der Wilk

Burden of disease of COVID-19: strengthening the collaboration for national studies



**WORKSHOP: BURDEN OF DISEASE OF COVID-19: STRENGTHENING THE COLLABORATION FOR NATIONAL STUDIES**

European Public Health Conference, 10-12<sup>th</sup> November 2021

MEER VIDEO'S

0:24 / 52:35

Knowledge Translation and Burden of Disease, from theory to practice



**KNOWLEDGE TRANSLATION: FROM THEORY TO PRACTICE**

Dr Henk Hilderink and Dr Elena Pallari  
EPH conference 2021

MEER VIDEO'S

0:02 / 59:02

Methodological choices in burden of disease studies: a literature review of European studies



**METHODOLOGICAL CHOICES IN BURDEN OF DISEASE STUDIES: SYSTEMATIC LITERATURE REVIEW OF EUROPEAN STUDIES**

14th European Public Health Conference • 11 November 2021

MEER VIDEO'S

0:25 / 58:21

cost  
EUROPEAN COOPERATION IN SCIENCE & TECHNOLOGY

cost is supported by the EU framework programme Horizon 2020

# 15th European Public Health Conference 10-12 November 2022, Berlin, Germany



<https://www.burden-eu.net/eph2022>

# 16th European Public Health Conference (Nov 2023)

- <https://burden-eu.net/eph2023>
- Pre-conferences & Workshops
  - Pre-conference: Approaches and methods for cost of illness studies: national and international experiences
  - Workshop: Data, tools and methodologies on injury burden in Europe: current limitations and future directions
  - Workshop: Projecting future burden of disease for informed public health decision making
  - Workshop: Risk-benefit assessment of foods and diets for a sustainable future

# Task Forces

- Launched after 3rd WG meeting Jan 2022
- Small groups, dedicated to specific topics
  - COVID-19
  - PFAS
  - Rare diseases
  - Social inequalities
  - Air pollution & noise
  - Redistribution of ill-defined deaths
  - ...
- Tailored, technical discussions



15th European Public Health Conference, 11/11/2022  
[www.burden-eu.net/EPH2022](http://www.burden-eu.net/EPH2022)



COST is supported by the EU framework programme Horizon 2020



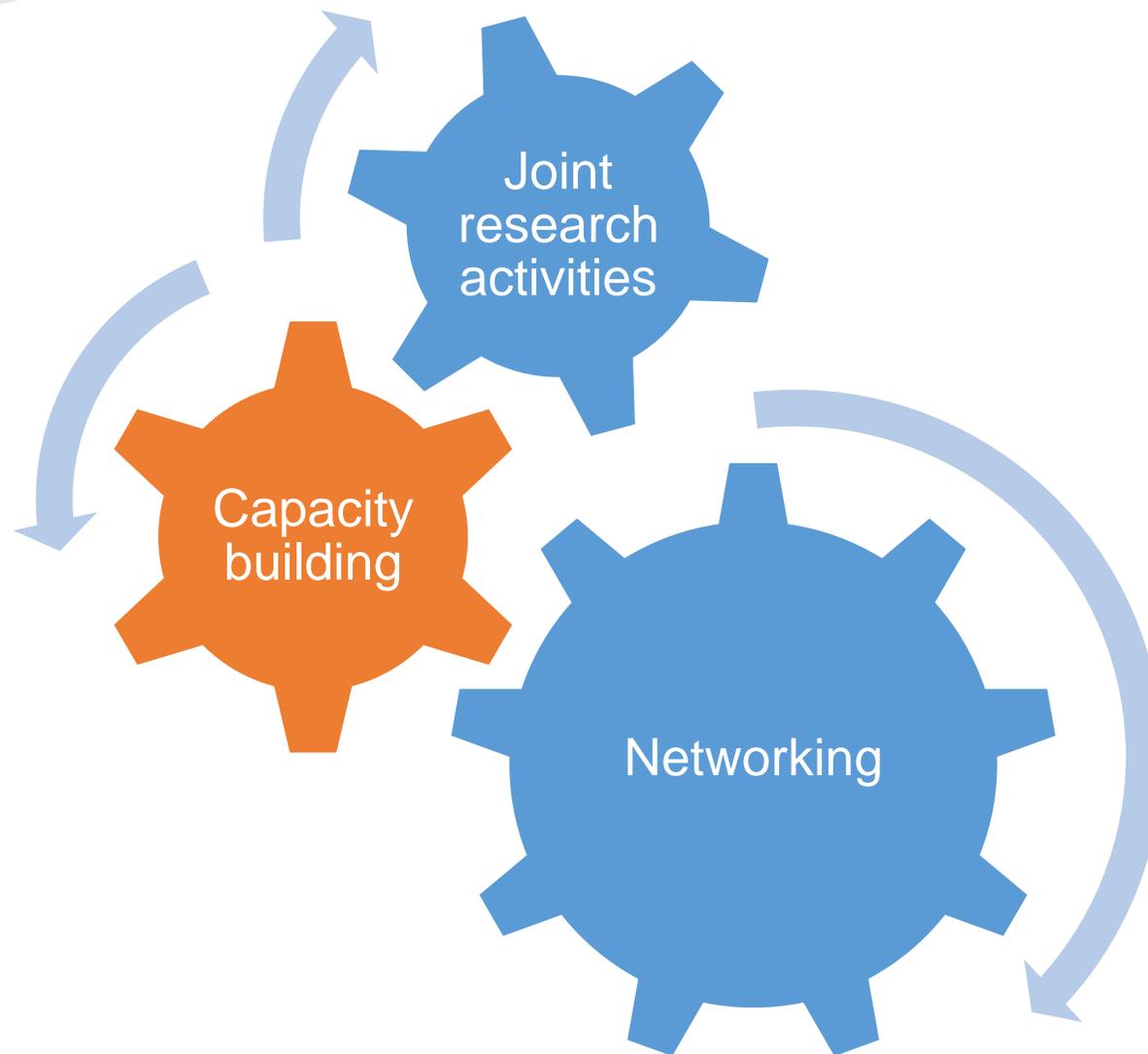
# KT Workshop

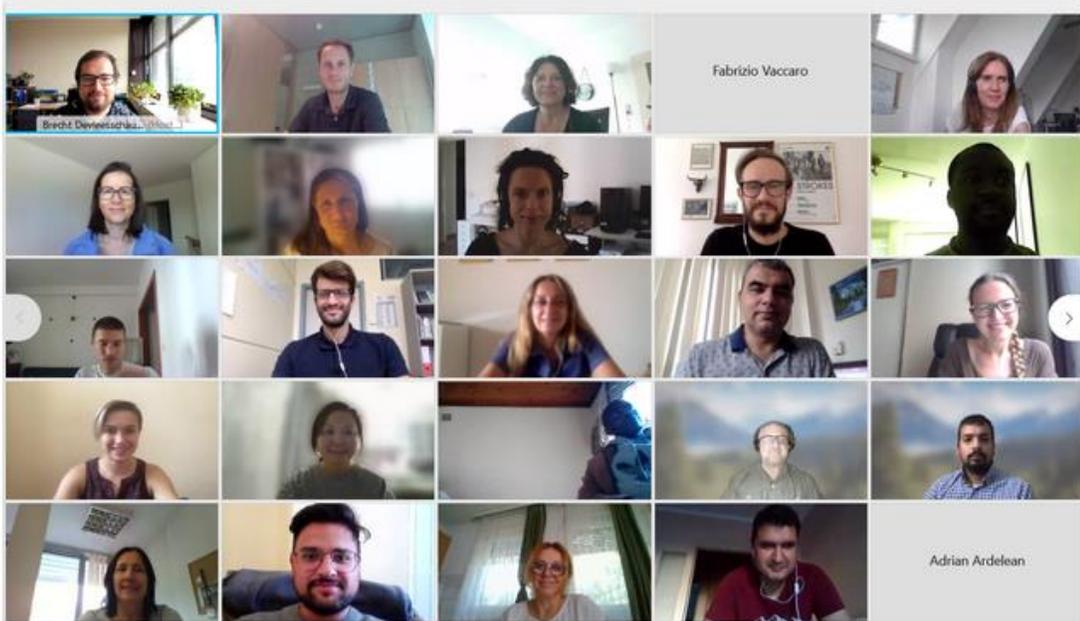
17-18 April 2023, Cork, Ireland

## Program

Day 1	9:00-12:30	<ul style="list-style-type: none"><li>• Opening /introduction round</li><li>• Update on KT theories</li><li>• Pitch presentation of countries' KT experiences</li></ul>
	12:30-13:30	Photoshoot + Lunch
	13:30-16:30	<ul style="list-style-type: none"><li>• Presentation of External speaker (TBC)</li><li>• Presentation Policy makers (Ireland)</li><li>• Working on papers</li></ul>
	19:30	Dinner Kingsley hotel
Day 2	9:00-12:30	<ul style="list-style-type: none"><li>• Data visualization session</li><li>• Break out groups on lessons learned from countries' <u>BoD studies</u></li></ul>
	12:30-14:00	Lunch + Campus Tour
	13:30-16:30	<ul style="list-style-type: none"><li>• Reporting back on lessons learned</li><li>• Working on overall tool box</li></ul> Closure
	Return flights	





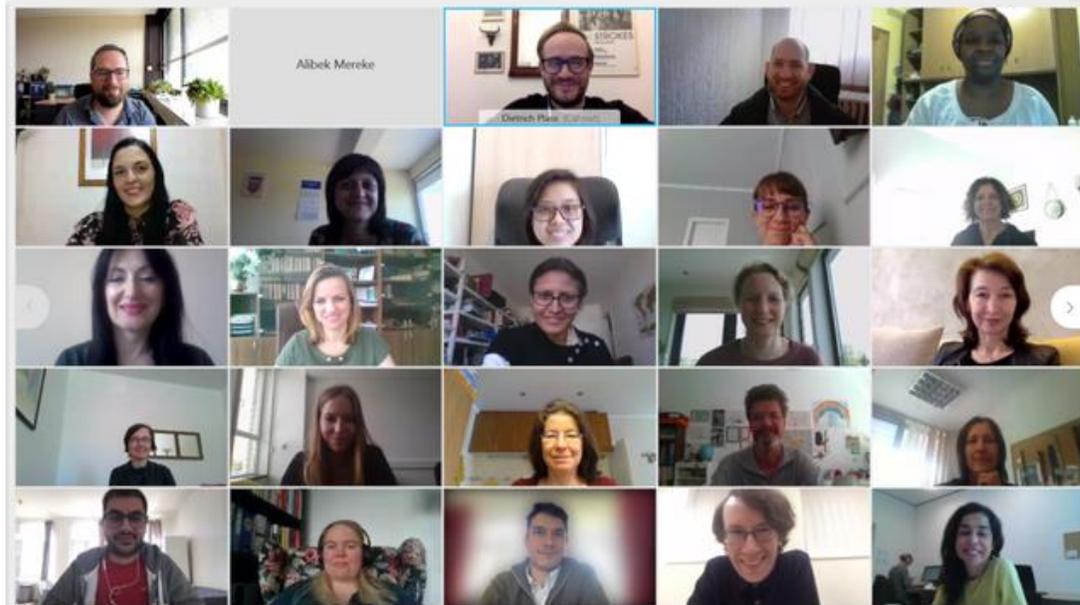


## [Training School] General concepts of burden of disease - 2nd edition

Introduction to the calculation and use of DALYs

📅 September 2021

[Read more:](#)



## [Training School] General concepts of burden of disease - 1st edition

Introduction to the calculation and use of DALYs

📅 May-June 2021

[Read more:](#)

# COVID-19 Disease Burden Training School 30 March to 1 April 2022, Ljubljana, Slovenia



# General concepts of burden of disease - 3rd edition

9-11 May 2022, Tbilisi, Georgia



# Training School on Risk factors, Health Impact Assessment and Knowledge Translation

31 May-2 June, 2023, Lisbon (Caparica), Portugal



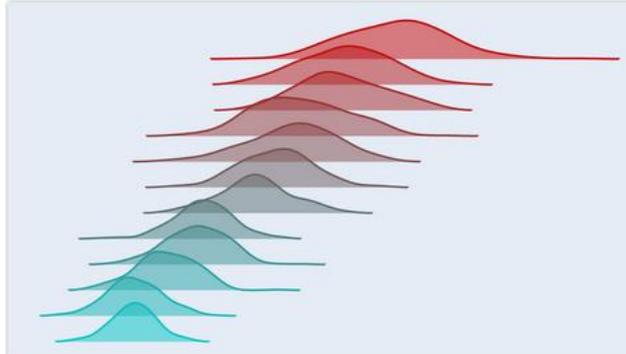




### [Webinar] Measuring the burden of rare diseases

Tuesday 14 September 2021, 9h-10h30 CET

Read more:



### [Webinar] Forecasting the Global Burden of Disease Study

Tuesday 29 June 2021, 16h-17h CET

Read more:



### [Webinar] Burden of disease assessment for COVID-19: initial insights and future perspectives

Friday 21 May 2021, 14h-15h CET

Read more:

[www.burden-eu.net/webinars](http://www.burden-eu.net/webinars)



### [Webinar] Activities and achievements of the Italian GBD Initiative

Thursday 29 April 2021, 13h-14h CET

Read more:



### [Webinar] Elicitation and practical use of disability weights for quantifying years lived with disability

Thursday 14 January 2021, 13h-14h CET

Read more:



### [Webinar] Quantifying COVID-19 disease burden

Friday 20 November 2020, 11h-12h CET

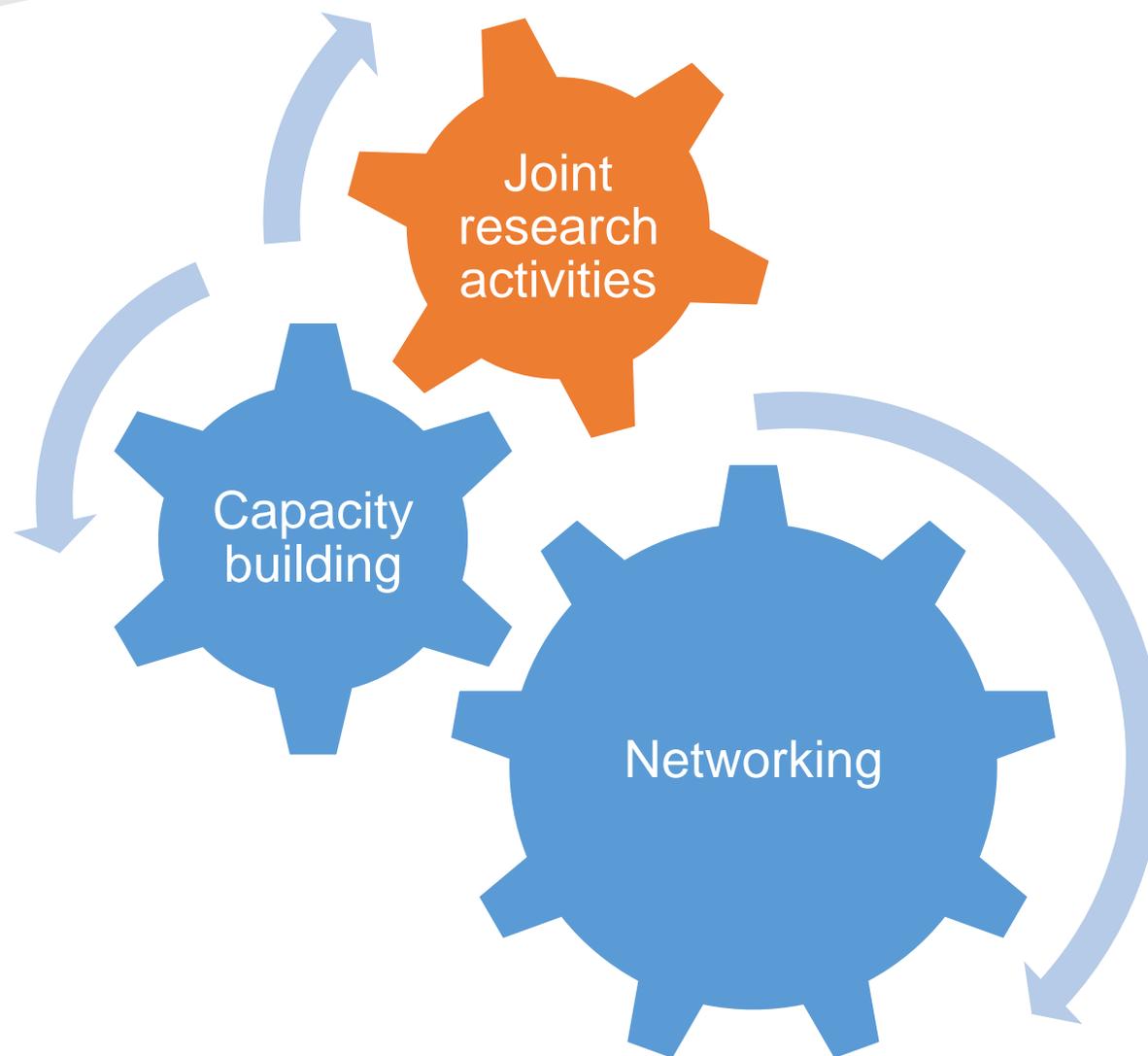
Read more:

# Short Term Scientific Missions (STSM)

Applicant	Topic
Mariana Corda (PT)	Burden of cardiovascular diseases associated with outdoor exposure to PM2.5 – a national study
Carlos Alexandre Soares Andrade (HU)	How do different methodological design choices impact disability-adjusted life years estimates due to diabetes?
Romana Haneef (FR)	Redistribution of ill-defined deaths (IDDs) in French mortality database 2017
Ana Margarida Alho (PT)	HEATBoD - Burden of cardiovascular diseases associated with heatwaves in Portugal
Tina Lesnik (SI)	Redistribution of ill-defined deaths in Slovenian mortality database

# Virtual Mobility Grants

Applicant	Topic
Orsolya Varga (HU)	Inequalities in the burden of non-communicable diseases across European countries
Andreea Badache (SE)	The burden of cardiovascular diseases in Romania, 2010-2019: a bench marking analysis based on the GBD 2019
Jose Chen-Xu (PT)	Premature mortality and levels of inequality in years of life lost across 296 regions of 31 European countries in 2019: a burden of disease study



## Burden of non-communicable disease studies in Europe: a systematic review of data sources and methodological choices

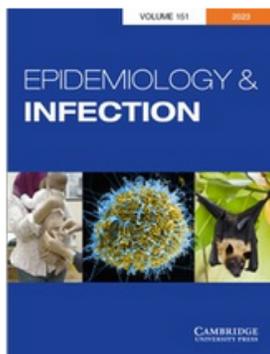
Periklis Charalampous<sup>1</sup>, Vanessa Gorasso<sup>2,3</sup>, Dietrich Plass<sup>4</sup>, Sara M. Pires<sup>5</sup>, Elena von der Lippe<sup>6</sup>, Alibek Mereke<sup>7</sup>, Jane Idavain<sup>8</sup>, Katarzyna Kissimova-Skarbek<sup>9</sup>, Joana Nazaré Morgado<sup>10</sup>, Che Henry Ngwa<sup>11</sup>, Isabel Nogue<sup>12</sup>, Alicia Padron-Monedero<sup>12</sup>, María José Santi-Cano<sup>13</sup>, Rodrigo Sarmiento<sup>12,14</sup>, Brecht Devleesschauer<sup>3,15</sup>, Juanita A. Haagsma<sup>1</sup>, The COST Action CA18218 Participants\*

Systematic Review | [Open Access](#) | [Published: 25 June 2023](#)

## Burden of disease attributable to risk factors in European countries: a scoping literature review

[Vanessa Gorasso](#) , [Joana Nazaré Morgado](#), [Periklis Charalampous](#), [Sara M. Pires](#), [Juanita A. Haagsma](#), [João Vasco Santos](#), [Jane Idavain](#), [Che Henry Ngwa](#), [Isabel Nogue](#), [Alicia Padron-Monedero](#), [Rodrigo Sarmiento](#), [Vera Pinheiro](#), [Elena Von der Lippe](#), [Lea Sletting Jakobsen](#), [Brecht Devleesschauer](#), [Dietrich Plass](#) & [The COST Action CA18218 participants](#)

[Archives of Public Health](#) **81**, Article number: 116 (2023) | [Cite this article](#)



## Burden of infectious disease studies in Europe and the United Kingdom: a review of methodological design choices

Published online by Cambridge University Press: **09 January 2023**

Periklis Charalampous<sup>1</sup>, Juanita A. Haagsma, Lea S. Jakobsen, Vanessa Gorasso, Isabel Nogue, Alicia Padron-Monedero, Rodrigo Sarmiento, João Vasco Santos, Scott A. McDonald<sup>1</sup> and

### RESEARCH

### Open Access



## Methodological considerations in injury burden of disease studies across Europe: a systematic literature review

Periklis Charalampous<sup>1\*</sup>, Elena Pallari<sup>2</sup>, Vanessa Gorasso<sup>3,4</sup>, Elena von der Lippe<sup>5</sup>, Brecht Devleesschauer<sup>4,6</sup>, Sara M. Pires<sup>7</sup>, Dietrich Plass<sup>8</sup>, Jane Idavain<sup>9</sup>, Che Henry Ngwa<sup>10,11</sup>, Isabel Nogue<sup>12</sup>, Alicia Padron-Monedero<sup>12</sup>, Rodrigo Sarmiento<sup>12,13</sup>, Marek Majdan<sup>14</sup>, Balázs Ádám<sup>15,16</sup>, Ala'a AlKerwi<sup>17</sup>, Seila Cilovic-Lagarija<sup>18</sup>, Benjamin Clarsen<sup>19,20,21</sup>, Barbara Corso<sup>22</sup>, Sarah Cuschieri<sup>23</sup>, Keren Dopelt<sup>24,25</sup>, Mary Economou<sup>26</sup>, Florian Fischer<sup>27</sup>, Alberto Freitas<sup>28,29</sup>, Juan Manuel García-González<sup>30</sup>, Federica Gazzelloni<sup>31</sup>, Artemis Gkitakou<sup>32</sup>, Hakan Gulmez<sup>33</sup>, Paul Hynds<sup>34</sup>, Gaetano Isola<sup>35</sup>, Lea S. Jakobsen<sup>7</sup>, Zubair Kabir<sup>36</sup>, Katarzyna Kissimova-Skarbek<sup>37</sup>, Ann Kristin Knudsen<sup>20</sup>, Naime Meriç Konar<sup>38</sup>, Carina Ladeira<sup>39,40</sup>, Brian Lassen<sup>7</sup>, Aaron Liew<sup>41</sup>, Marjeta Majer<sup>42</sup>, Enkeleint A. Mechili<sup>43,44</sup>, Alibek Mereke<sup>45</sup>, Lorenzo Monasta<sup>46</sup>, Stefania Mondello<sup>47</sup>, Joana Nazaré Morgado<sup>48</sup>, Evangelia Nena<sup>49</sup>, Edmond S. W. Ng<sup>50</sup>, Vikram Niranjan<sup>51</sup>, Iskra Alexandra Nola<sup>42</sup>, Rónán O'Caomh<sup>52</sup>, Panagiotis Petrou<sup>53</sup>, Vera Pinheiro<sup>28</sup>, Miguel Reina Ortiz<sup>54</sup>, Silvia Riva<sup>55</sup>, Hanan Samouda<sup>56</sup>, João Vasco Santos<sup>28,29,57</sup>, Cornelia Melinda Adi Santos<sup>58</sup>, Milena Santric Milicevic<sup>59</sup>, Dimitrios Skempes<sup>60</sup>, Ana Catarina Sousa<sup>61,62</sup>, Niko Speybroeck<sup>63</sup>, Fimka Tozija<sup>64,65</sup>, Brigid Unim<sup>66</sup>, Hilal Bektaş Uysal<sup>67</sup>, Fabrizio Giovanni Vaccaro<sup>68</sup>, Orsolya Varga<sup>16</sup>, Milena Vasic<sup>69,70</sup>, Francesco Saverio Violante<sup>71,72</sup>, Grant M. A. Wyper<sup>73</sup>, Suzanne Polinder<sup>1</sup> and Juanita A. Haagsma<sup>1</sup>

European Journal of Public Health, 1–6

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<https://doi.org/10.1093/eurpub/ckac160>

## Burden of disease among trends in mortality and

Kim Moesgaard Iburg <sup>1</sup>, Periklis Charalamou <sup>2</sup>,  
Elsa Jonsson Stenberg<sup>3</sup>, Rónán O’Caoimh<sup>4</sup>, Lúca  
David M. Pereira<sup>7</sup>, Grant M.A. Wyper<sup>8</sup>, Vikram  
Juanita Haagsma<sup>2</sup>

Haagsma et al. Archives of Public Health (2022) 80:142  
<https://doi.org/10.1186/s13690-022-00891-6>

Archives of Public Health

RESEARCH

Open Access



## The burden of injury in Central, Eastern, and Western European sub-region: a systematic analysis from the Global Burden of Disease 2019 Study

Juanita A. Haagsma<sup>1</sup>, Periklis Charalamou<sup>2</sup> , Filippo Ariani<sup>2</sup>, Anne Gallay<sup>3</sup>, Kim Moesgaard Iburg<sup>1</sup>,  
Evangelia Nena<sup>5</sup>, Che Henry Ngwa<sup>6,7</sup>, Alexander Rommel<sup>8</sup>, Ausra Zelviene<sup>9</sup>, Kedir Hussein Abegaz<sup>10,11</sup>,  
Hanadi Al Hamad<sup>12</sup>, Luciana Albano<sup>13</sup>, Catalina Lilliana Andrei<sup>14</sup>, Tudorel Andrei<sup>15</sup>, Ippazio Cosimo Antonazzo<sup>16</sup>,  
Olatunde Aremu<sup>17</sup>, Ashokan Arumugam<sup>18</sup>, Alok Atreya<sup>19</sup>, Avinash Aujayeb<sup>20</sup>, Jose Luis Ayuso-Mateos<sup>21,22</sup>,  
Luchuo Engelbert Bain<sup>23,24</sup>, Maciej Banach<sup>25,26</sup>, Till Winfried Bärnighausen<sup>27,28</sup>, Francesco Barone-Adesi<sup>29</sup>,  
Massimiliano Beghi<sup>30</sup>, Derrick A. Bennett<sup>31</sup>, Akshaya S. Bhagavathula<sup>32,33</sup>, Félix Carvalho<sup>34</sup>, Giulio Castelpietra<sup>35</sup>,  
Ledda Caterina<sup>36</sup>, Joht Singh Chandan<sup>37</sup>, Rosa A. S. Couto<sup>38</sup>, Natália Cruz-Martins<sup>39,40,41</sup>, Giovanni Damiani<sup>42,43</sup>,  
Anna Dastiridou<sup>44</sup>, Andreas K. Demetriades<sup>45</sup>, Diana Dias-da-Silva<sup>46</sup>, Adeniyi Francis Fagbamigbe<sup>47</sup>,  
Seyed-Mohammad Fereshtehnejad<sup>48,49</sup>, Eduarda Fernandes<sup>50</sup>, Pietro Ferrara<sup>16</sup>, Florian Fischer<sup>51</sup>, Urbano Fra-  
Paleo<sup>52</sup>, Silvia Ghirini<sup>53</sup>, James C. Glasbey<sup>54</sup>, Ionela-Roxana Glavan<sup>15</sup>, Nelson G. M. Gomes<sup>50,55</sup>, Michal Grivna<sup>32</sup>,  
Netanja I. Harlianto<sup>56</sup>, Josep Maria Haro<sup>57,58</sup>, M. Tasdik Hasan<sup>59,60</sup>, Sorin Hostiuc<sup>61,62</sup>, Ivo Iavicoli<sup>63</sup>, Milena D. Ilic<sup>64</sup>,  
Irena M. Ilic<sup>65</sup>, Mihajlo Jakovljevic<sup>66,67</sup>, Jost B. Jonas<sup>68,69</sup>, Jacek Jerzy Jozwiak<sup>70</sup>, Mikko Jürisson<sup>71</sup>, Joonas H. Kaupilla<sup>72,73</sup>,  
Gbenga A. Kayode<sup>74,75</sup>, Moien A. B. Khan<sup>76,77</sup>, Adnan Kisa<sup>78,79</sup>, Sezer Kisa<sup>80</sup>, Ai Koyanagi<sup>81,82</sup>, Manasi Kumar<sup>83,84</sup>,  
Om P. Kurmi<sup>85,86</sup>, Carlo La-Vecchia<sup>87</sup>, Demetris Lamnisis<sup>88</sup>, Savita Lasrado<sup>89</sup>, Paolo Lauriola<sup>90</sup>, Shai Linn<sup>91</sup>,  
Joana A. Loureiro<sup>92</sup>, Raimundas Lunevicius<sup>93</sup>, Aurea Madureira-Carvalho<sup>41,94</sup>, Enkeleint A. Mechili<sup>95,96</sup>,  
Azeem Majeed<sup>97</sup>, Ritesh G. Menezes<sup>98</sup>, Alexios-Fotios A. Mentis<sup>99,100</sup>, Atte Meretoja<sup>101,102</sup>, Tomislav Mestrovic<sup>103,104</sup>,  
Tomasz Miazgowski<sup>105</sup>, Bartosz Miazgowski<sup>106</sup>, Andreea Mirica<sup>15</sup>, Marliam Molokhia<sup>107</sup>, Shafiu Mohammed<sup>27,108</sup>,  
Lorenzo Monasta<sup>109</sup>, Francesk Mullita<sup>110</sup>, Mukhammad David Nalmzada<sup>111,112</sup>, Ionut Negoi<sup>113,114</sup>, Subas Neupane<sup>115,116</sup>,  
Bogdan Oancea<sup>117</sup>, Hans Orru<sup>71,118</sup>, Adrian Otoiu<sup>15</sup>, Nikita Otstavnov<sup>111</sup>, Stanislav S. Otstavnov<sup>111,119</sup>,  
Marina Pinheiro<sup>55</sup>, Ivo Rakovac<sup>124</sup>, Chythra R. Rao<sup>125</sup>, Salman Rawal<sup>97,126</sup>, David Laith Rawal<sup>127,128</sup>, Violet Rodrigues<sup>129</sup>,  
Luca Ronfani<sup>109</sup>, Dominic Sagoe<sup>130</sup>, Francesco Sanmarchi<sup>131</sup>, Inga Dora Sigfusdottir<sup>138,139,140</sup>, Rannveig Sigurvsdottir<sup>138</sup>,  
Aziz Sheikh<sup>134,135</sup>, Rahman Shiri<sup>136</sup>, Siddharudha Shivalli<sup>137</sup>, Catalin-Gabriel Smarandache<sup>113</sup>, Bogdan Socea<sup>113</sup>,  
Valentin Yurievich Skryabin<sup>141</sup>, Anna Aleksandrovna Skryabina<sup>142</sup>, Rafael Tabarés-Seisdedos<sup>22,145</sup>, Marcos Roberto Tovani-Palone<sup>146</sup>,  
Raúl A. R. C. Sousa<sup>143</sup>, Paschalis Steiropoulos<sup>144</sup>, Rafel Tabarés-Seisdedos<sup>22,145</sup>, Marcos Roberto Tovani-Palone<sup>146</sup>,  
Fimka Tozija<sup>147</sup>, Sarah Van de Velde<sup>148</sup>, Tommi Juhani Vasankari<sup>149</sup>, Massimiliano Veroux<sup>150</sup>, Francesco S. Violante<sup>151,152</sup>,  
Vasiliy Vlassov<sup>153</sup>, Yanzhong Wang<sup>154</sup>, Ali Yadollahpour<sup>155</sup>, Sanni Yaya<sup>156,157</sup>, Mikhail Sergeevich Zastrozhin<sup>158,159</sup>,  
Anasthasia Zastrozhina<sup>160</sup>, Suzanne Polinder<sup>1</sup> and Marek Majdan<sup>161</sup>

<https://www.burden-eu.net/outputs/covid-19>

## COVID-19

COVID-19 has affected many countries in Europe in beyond. There is currently a growing interest to quantify the disease burden of COVID-19, measure its population health impact and compare it to other diseases. On this page, we compile burden of disease resources specifically fo

### Burden of COVID-19 Task Force

The Burden of COVID-19 Task Force brings together members who are conducting or interested in launching national studies to estimate t of COVID-19. The TF meets approximately every six weeks to discuss technical aspects of COVID-19 burden calculation.

More information about the Task Force is available [here](#).

### Burden of COVID-19 calculation protocol

The burden-eu Core Group has prepared a protocol to provide guidance for anyone planning to assess the burden of disease of COVID DALYs. It focuses on the direct health impact of the disease, and describes the data requirements, the methods, and considerations f It also aims to foster harmonization of methodologies for estimating the burden of disease of COVID-19 across countries.

You can download the protocol [here](#).

### Burden of COVID-19 webinars

On Friday 20 November 2020, our COST Action has organized a webinar on quantifying COVID-19 disease burden. You can repla presentations [here](#).

### Burden of COVID-19 publications

DALY calculation methods for COVID-19

Wyper GM, Assunção RM, Colzani E, Grant I, Haagsma JA, Lagerweij G, Von der Lippe E, McDonald SA, Pires SM, Porst M, Speybroeck N, Devleeschauwer B.

**Burden of disease methods: a guide to calculate COVID-19 disability-adjusted life years.** *Int J Public Health.* 2021;66:619011. doi: [10.3389/ijph.2021.619011](https://doi.org/10.3389/ijph.2021.619011)



# Estimating the direct Covid-19 disability-adjusted life years impact on the **Malta** population for the first full year



Sarah Cuschieri<sup>1\*</sup>, Neville Calleja<sup>2,3</sup>, Brecht Devleeschauwer<sup>4,5</sup> and Grant M. A. Wyper<sup>6</sup>

## **Measuring the direct population impact of COVID-19 in **Scotland**, 2020: estimating disability-adjusted life years (DALYs) during the first full calendar year**

Grant MA Wyper<sup>1,\*</sup>, Eilidh Fletcher<sup>2</sup>, Ian Grant<sup>2</sup>, Gerry McCartney<sup>1</sup>, Colin Fischbacher<sup>3</sup>, Oliver Harding<sup>4</sup>, Hannah Jones<sup>1</sup>, Maria Teresa de Haro Moro<sup>2</sup>, Niko Speybroeck<sup>5</sup>, Brecht Devleeschauwer<sup>6,7</sup>, Diane L Stockton<sup>1</sup>

## **The estimated disease burden of acute COVID-19 in the **Netherlands** in 2020, in disability-adjusted life-years**

Scott A. McDonald<sup>1</sup>, Giske R. Lagerweij<sup>1</sup>, Pieter de Boer<sup>1</sup>, Hester E. de Melker<sup>1</sup>, Roan Pijnacker<sup>1</sup>, Lapo Mughini Gras<sup>1</sup>, Mirjam E. Kretzschmar<sup>1,2</sup>, Gerco den Hartog<sup>1</sup>, Arianne B. van Gageldonk-Lafeber<sup>1</sup>, RIVM COVID-19 surveillance and epidemiology team<sup>1</sup>, Susan van den Hof<sup>1</sup>, Jacco Wallinga<sup>1,3</sup>

Correspondence

<https://doi.org/10.1038/s41591-023-02207-9>

An EU task force to assess the burden of rare diseases

Research | [Open Access](#) | [Published: 28 July 2023](#)

# Inequalities in the burden of non-communicable diseases across European countries: a systematic analysis of the Global Burden of Disease 2019 study

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[International Journal for Equity in Health](#) **22**, Article number: 140 (2023) | [Cite this article](#)

Intervention strategies. Furthermore, DALYs allow quantification of patient-level impact, or the overall severity of a disease, which may be an additional criterion in prioritization exercises. However, if DALY estimates for rare diseases are unavailable, rare diseases will not be prioritized.

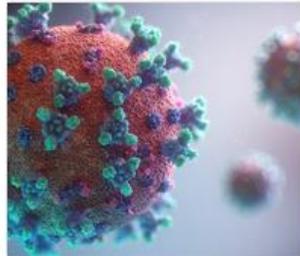
between rare and common forms of a given disease. For example, the 'cause of disease' list that is used in the GBD study does not differentiate between acute urticaria and chronic spontaneous urticaria, which have a high prevalence, and rare chronic aquagenic urticaria and vibratory angioedema<sup>35</sup>.

case network launched the task force on rare diseases. This task force aims to identify, summarize and highlight the existing unmet need related to the burden of rare diseases and perform research on the population health impact of rare diseases (measured with DALYs), with the ultimate goals of making rare diseases more

## Action dissemination

<https://www.burden-eu.net/outputs/action-dissemination>

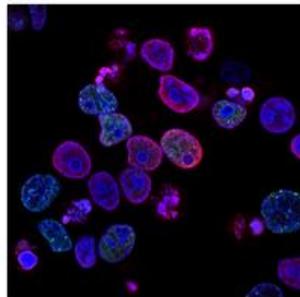
### Publications



#### [The direct disease burden of COVID-19 in Belgium in 2020 and 2021](#)

Devleesschauer B, Willem L, Jurčević J, Smith P, Scohy A, Wyper GMA, Pires SM, Van Goethem N, Van Caeteren D, Speybroeck N, Hens N, De Pauw R

*BMC Public Health*. 2023;23(1):1707



#### [The burden of breast, cervical, and colon and rectum cancer in the Balkan countries, 1990-2019 and forecast to 2030](#)

Todorovic J, Stamenkovic Z, Stevanovic A, et al.

*Arch Public Health*. 2023;81(1):156



#### [Investigating years of life lost in Belgium, 2004–2019: A comprehensive analysis using a probabilistic redistribution approach](#)

Devleesschauer B, Scohy A, De Pauw R, Gorasso V, Kongs A, Neiryck E, Verduyck P, Wyper GMA, Van den Borre L

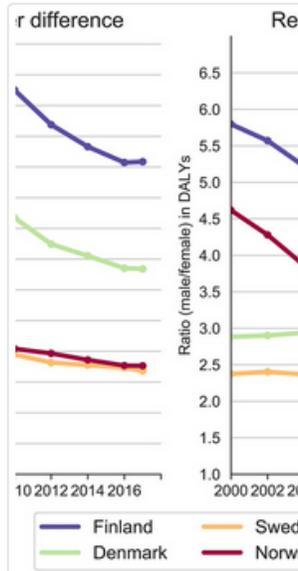
*Arch Public Health*. 2023;81(1):160



There are currently **344** records in the European Burden of Disease database.

shortcuts for the filters: next option: ↓ or → | previous option: ↑ or ← | next filter: TAB | previous filter: SHIFT + TAB

Category: Research Article



### Alcohol-attributed disease burden in four Nordic countries between 2000 and 2017: Are the gender gaps narrowing? A comparison using the Global Burden of Disease, Injury and Risk Factor 2017 study

Agardh EE, Allebeck P, Flodin P, Wennberg P, Ramstedt M, Knudsen AK, Øverland S, Kinge JM, Tollånes MC, Eikemo TA, Skogen JC, Mäkelä P, Gissler M, Juel K, Moesgaard Iburg K, McGrath JJ, Naghavi M, Vollset SE, Gakidou E, Danielsson A

*Drug and Alcohol Review.* 2021; 40: 431-442

[doi](#)
[ORCID](#)
[Mendeley](#)
[Google Scholar](#)

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Category: Research Article



### Burden of disease from exposure to secondhand smoke in children in Europe

Carreras C, Lachi A, Cortini B, Collin S, López M, López Nicolás A, Soriano JB, Fernandez E, Tizabi O, Cortini G

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**What is next?**

# What is next?

## GP4 Objectives

- Checklist for BOD studies
- BOD research agenda
- KT roadmap/best practices ~ workshop
- Risk factors, health impact assessment ~ training school

# What is next?

## GP5

### ■ Grant Periods

- GP1: 01/12/2019 – 30/04/2020
- GP2: 01/05/2020 – 30/04/2021 → 31/10/2021
- GP3: 01/11/2021 – 31/10/2022
- GP4: 01/11/2022 – 27/10/2023
- **GP5: 01/11/2023 – 30/04/2024**

### ■ TS Risk factors, 2nd edition

### ■ International BOD Conference, 14-15/03/2024, Italy

# What is next?

.. What after the end of CA18218?