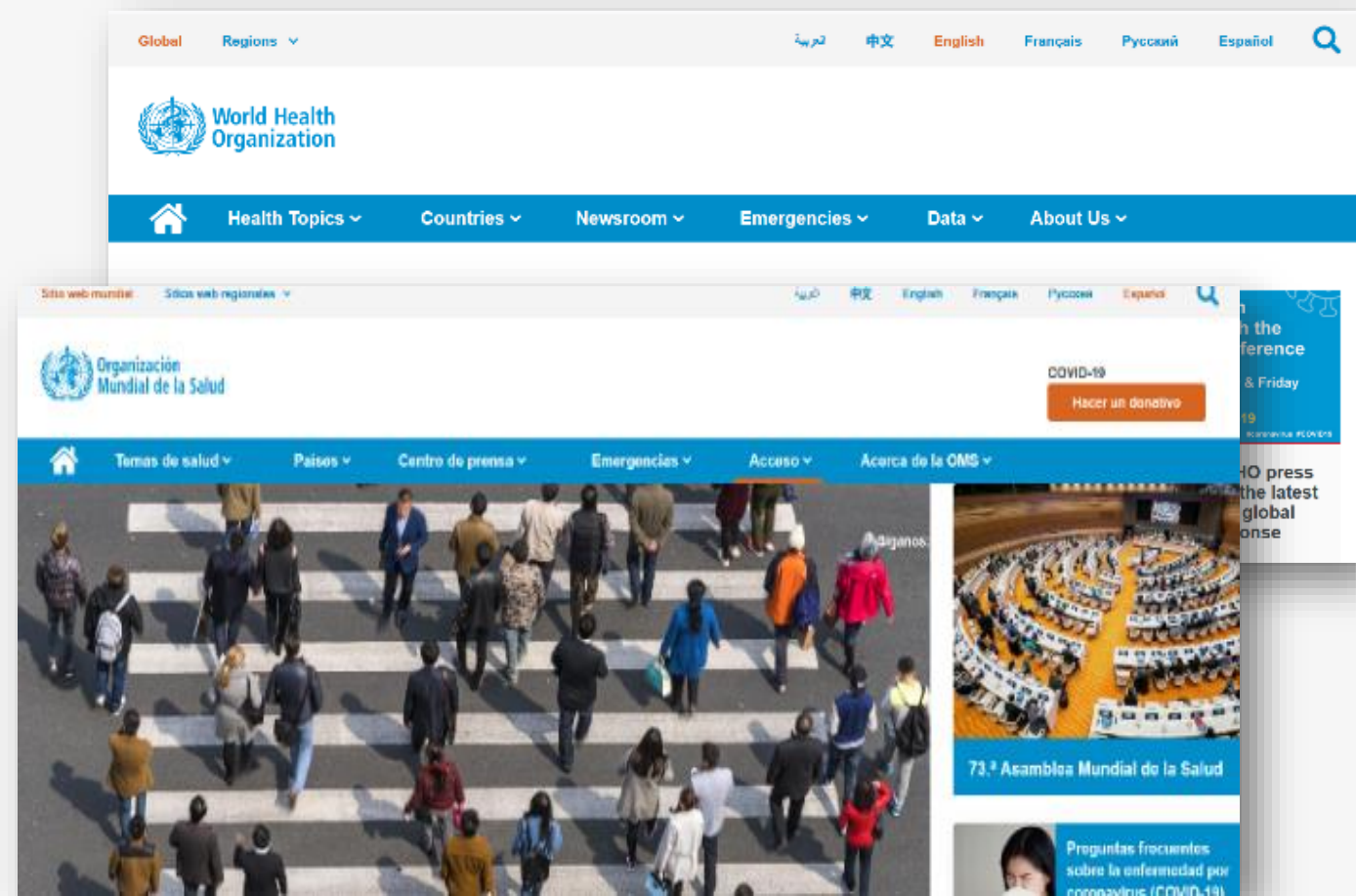


TEMA 2.2

Fuentes de conocimientos globales

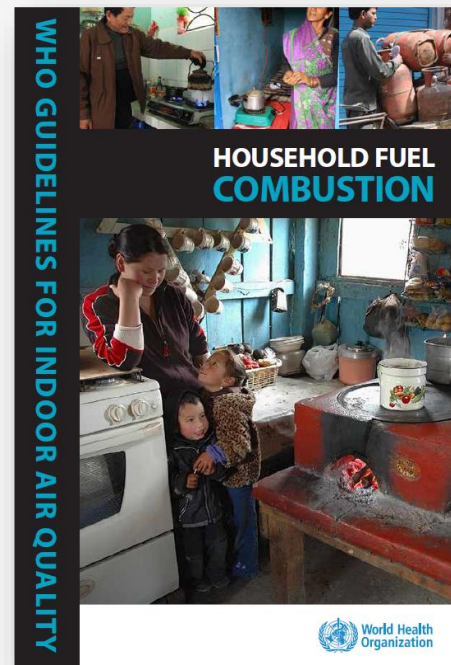
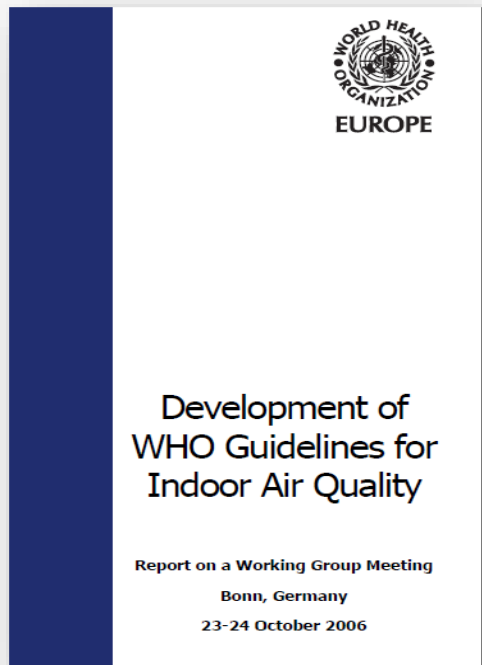
WHO – OMS : Organización Mundial de la Salud

- **Inicios:** 1948
- **Integrantes:** 150 países
- **Fines:**
 - ✓ Construir un futuro mejor y más saludable para el mundo.
 - ✓ Esforzarse por luchar contra las enfermedades.
 - ✓ Ayudamos a que las madres y los niños sobrevivan y avancen en la vida para que puedan conservar la salud hasta una edad avanzada.
 - ✓ Velamos por la salubridad del aire que respiran las personas, de los alimentos que comen y del agua que beben, así como de los medicamentos y las vacunas que necesitan.



WHO : Guías sobre Calidad del Aire Interior

- A **WHO guideline** is any document developed by WHO containing **recommendations** for clinical practice or public health policy.
- A recommendation tells the intended end-user of the **guideline** what he or she can or should do in specific situations to achieve the best health outcomes possible, individually or collectively.



Indoor Air Pollution	
OUTLINE	
☐	Scope of the problem of indoor air pollution
☐	Particulate matter
☐	Carbon monoxide
☐	Secondhand tobacco smoke
☐	Pesticides
☐	Solvents
☐	Volatile organic compounds
☐	Biological pollutants
	- Mites
	- Allergens
	- Moulds
☐	Built environment
☐	Radon
☐	Asbestos
☐	Occupation-related contaminants

WHO : Guías sobre el nuevo Coronavirus

Considerations for school-related public health measures in the context of COVID-19

Annex to Considerations in adjusting public health and social measures in the context of COVID-19

10 May 2020



Background

In response to the movement of people as mobility restrictions are implemented, the WHO has issued guidance to help guide decision-makers on the importance of public health measures that was drafted in May 2020.

What's new

Deciding on health measures in the community

Limpieza y desinfección de las superficies del entorno inmediato en el marco de la COVID-19

Orientaciones provisionales

15 de mayo de 2020



Antecedentes

La enfermedad por coronavirus de 2019 (COVID-19 por el acrónimo en inglés) es una infección respiratoria causada por el virus SARS-CoV-2 (también conocido como el virus de la COVID-19). Este virus se transmite principalmente por contacto físico estrecho y por gotículas respiratorias, si bien la transmisión por vía aérea puede ocurrir durante las maniobras médicas que generan aerosoles. A la fecha de la

La transmisión del virus de la COVID-19 se ha relacionado con el contacto estrecho de las personas en locales cerrados, como las viviendas, los centros sanitarios, los ancianatos y los asilos.¹⁰ Asimismo, se ha comprobado la vulnerabilidad frente a la transmisión de este virus de los lugares de la comunidad distintos de los establecimientos sanitarios, tales como los edificios de acceso público, los centros religiosos, los mercados, el transporte público y los negocios.^{10,11} Hoy por



Temas de salud

Países

Centro de prensa

Emergencias

Acceso

Ace

Acceso / Emergencias sanitarias / Enfermedades / Nuevo coronavirus 2019 / Orientaciones técnicas

de el nuevo coronavirus (2019-nCoV)

Investigaciones epidemiológicas y clínicas precoces sobre el COVID-19 para un
Foco técnico

Investigações epidemiológicas e clínicas precoces de COVID-19 para resposta e
Foco técnico

Foco técnico

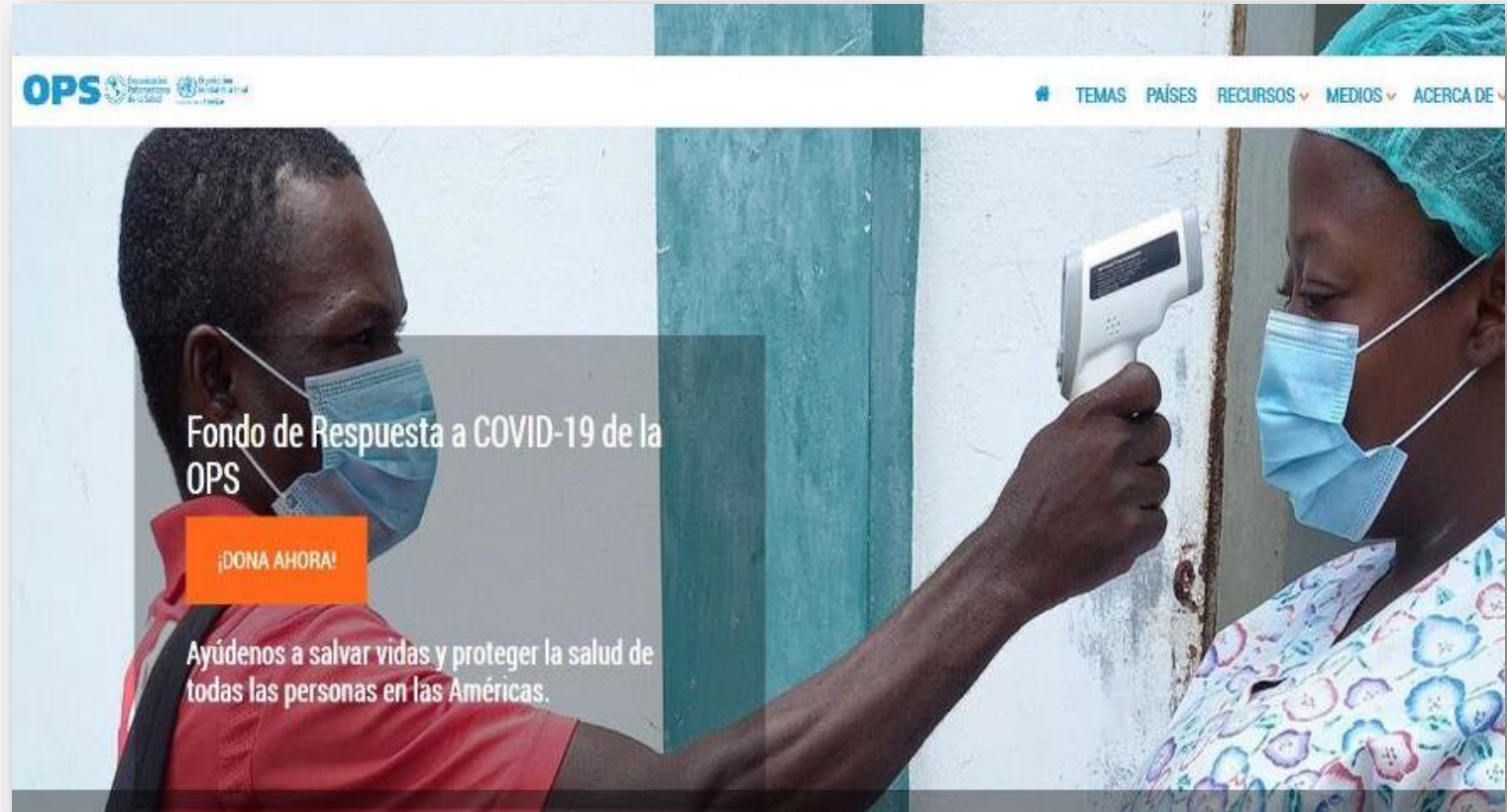
Marco para la toma de decisiones: puesta en práctica de campañas de vacunación
Orientaciones provisionales

Orientaciones provisionales



Organización Panamericana de la Salud – OPS

- **Inicios:** 2 de diciembre de 1902
- **Integrantes:**
 - ✓ 35 Estados Miembros en América del Sur, el Caribe, Centroamérica y América del Norte.
 - ✓ Tiene 4 miembros, 3 Estados Participantes, y 2 Estados Observadores.
- **Fines:**
 - ✓ Fortalecer los sistemas de salud nacionales y locales.
 - ✓ Mejorar la salud de todas las personas en las Américas.

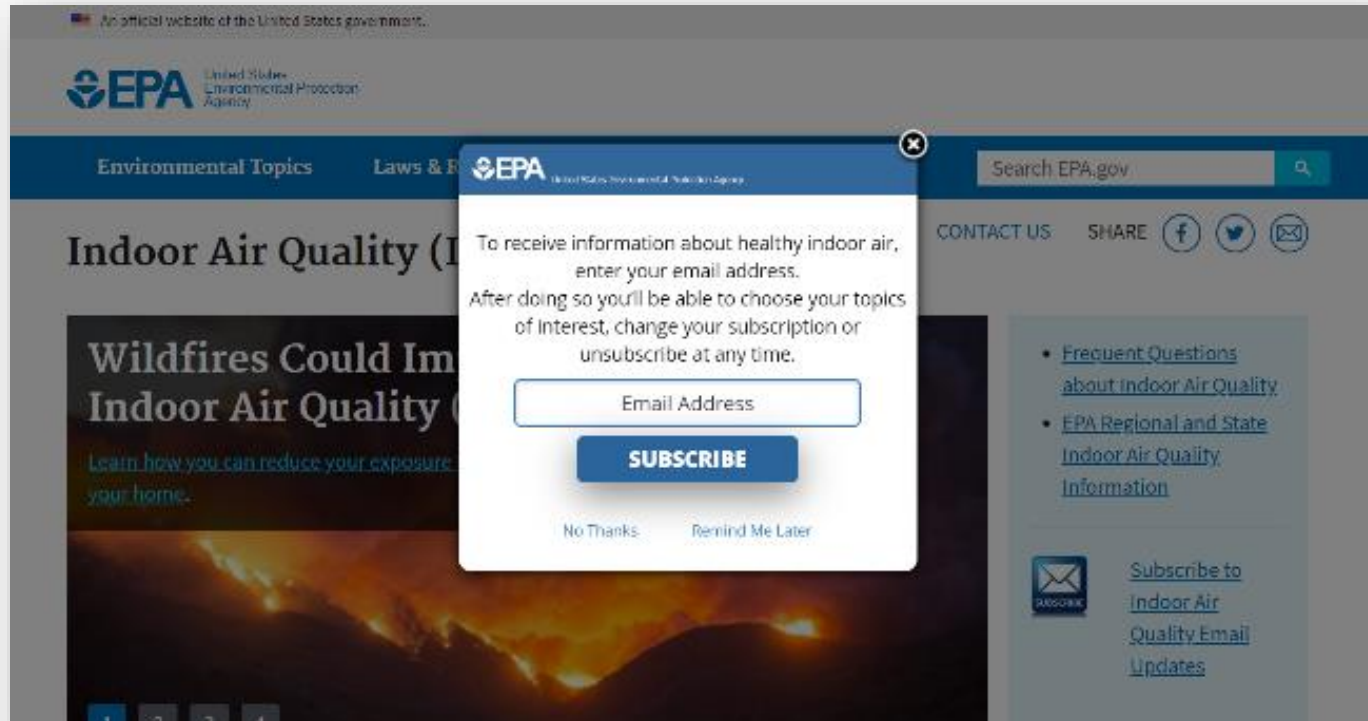


United States Environmental Protection Agency | US EPA

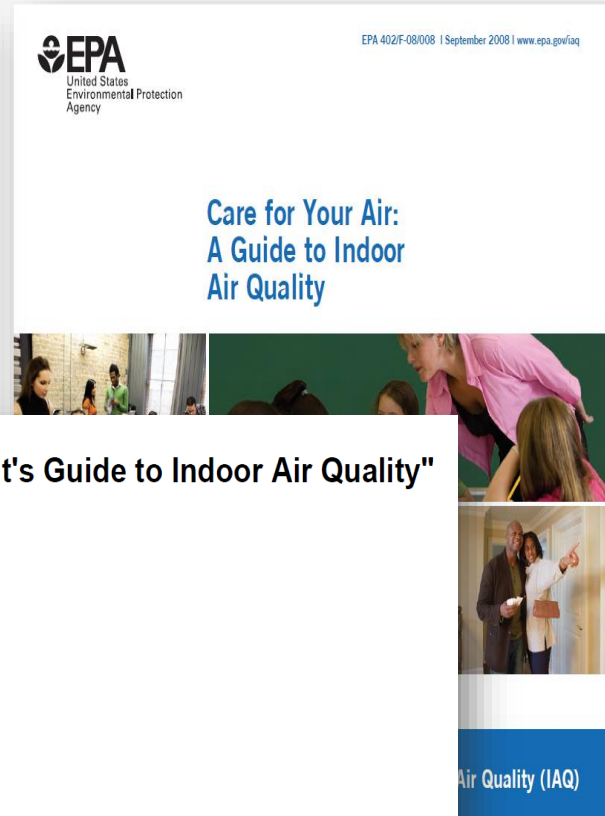
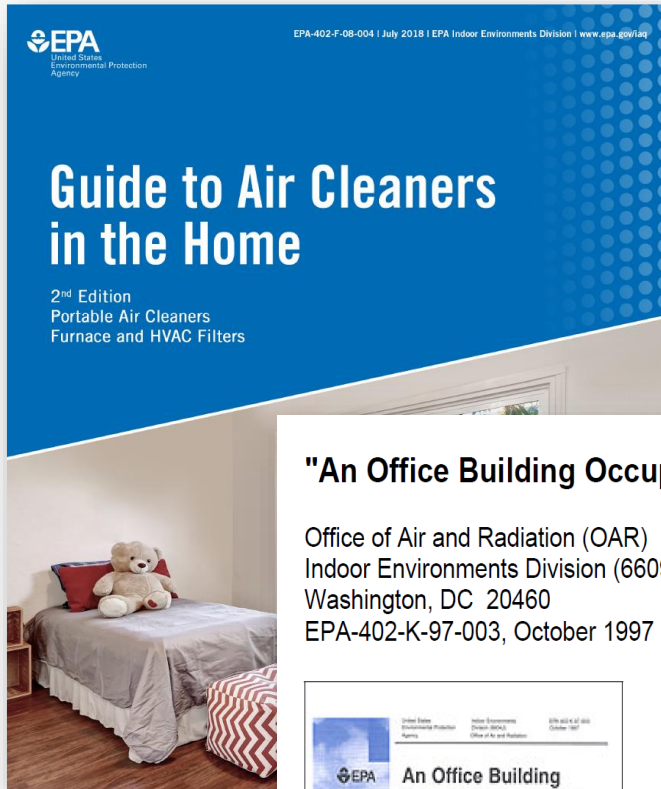
- **Inicios:** 2 de diciembre de 1970
- **Integrantes:**
 - ✓ EE.UU.
- **Fines:**
 - ✓ Protege la salud de los seres humanos, el medio ambiente y los recursos naturales.
 - ✓ Previene y controla la contaminación del aire y el agua mediante el desarrollo de estándares para la calidad del aire y las emisiones de automóviles.



EPA: Suscripción libre a información sobre IAQ



EPA: Guías sobre Calidad del Aire Interior



"An Office Building Occupant's Guide to Indoor Air Quality"

Office of Air and Radiation (OAR)
Indoor Environments Division (6609J)
Washington, DC 20460
EPA-402-K-97-003, October 1997



Introductions and Guides

- [The Inside Story: A Guide to Indoor Air Quality](#)
- [Care for Your Air: A Guide to Indoor Air Quality](#)
- [An Office Building Occupant's Guide to Indoor Air Quality](#)
- [Residential Air-cleaning Devices: A Summary of Available Information](#)
- [Guide to Air Cleaners in the Home](#)
- [Should You Have the Air Ducts in Your Home Cleaned?](#)
- [Building Air Quality: A Guide for Building Owners and Facility Managers](#)
 - [Building Air Quality Action Plan](#)
- [Healthy Buildings, Health People: A Vision for the 21st Century](#)
- [Indoor Air Pollution: An Introduction for Health Professionals](#)

EPA: Guías para combatir el Coronavirus

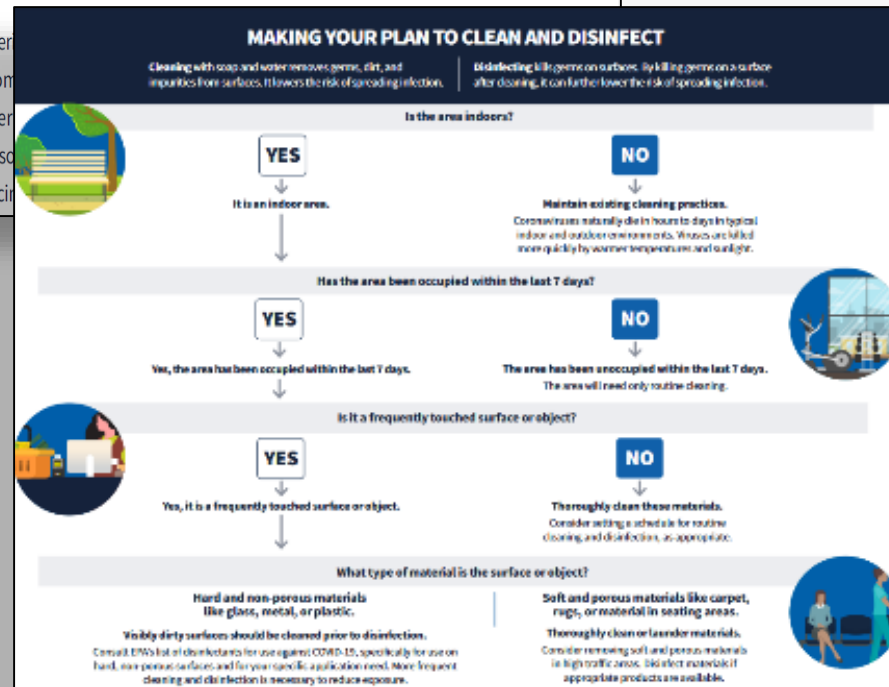
GUIDANCE FOR CLEANING AND DISINFECTING

PUBLIC SPACES, WORKPLACES, BUSINESSES,
SCHOOLS, AND HOMES



SCAN HERE
FOR MORE
INFORMATION

This guidance is intended for all Americans to help maintain the cleanliness and safety of your home and workplace by practicing social distancing and other measures to reduce the spread of COVID-19. Reopening the country also means more people for the virus, social distancing



Environmental Topics

Laws & Regulations

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U.S. Environmental Protection Agency

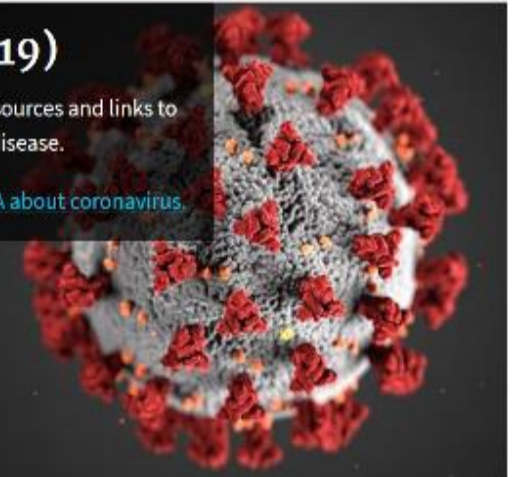
CONTACT US

SHA

Coronavirus (COVID-19)

EPA's Coronavirus website provides key EPA resources and links to additional information about the coronavirus disease.

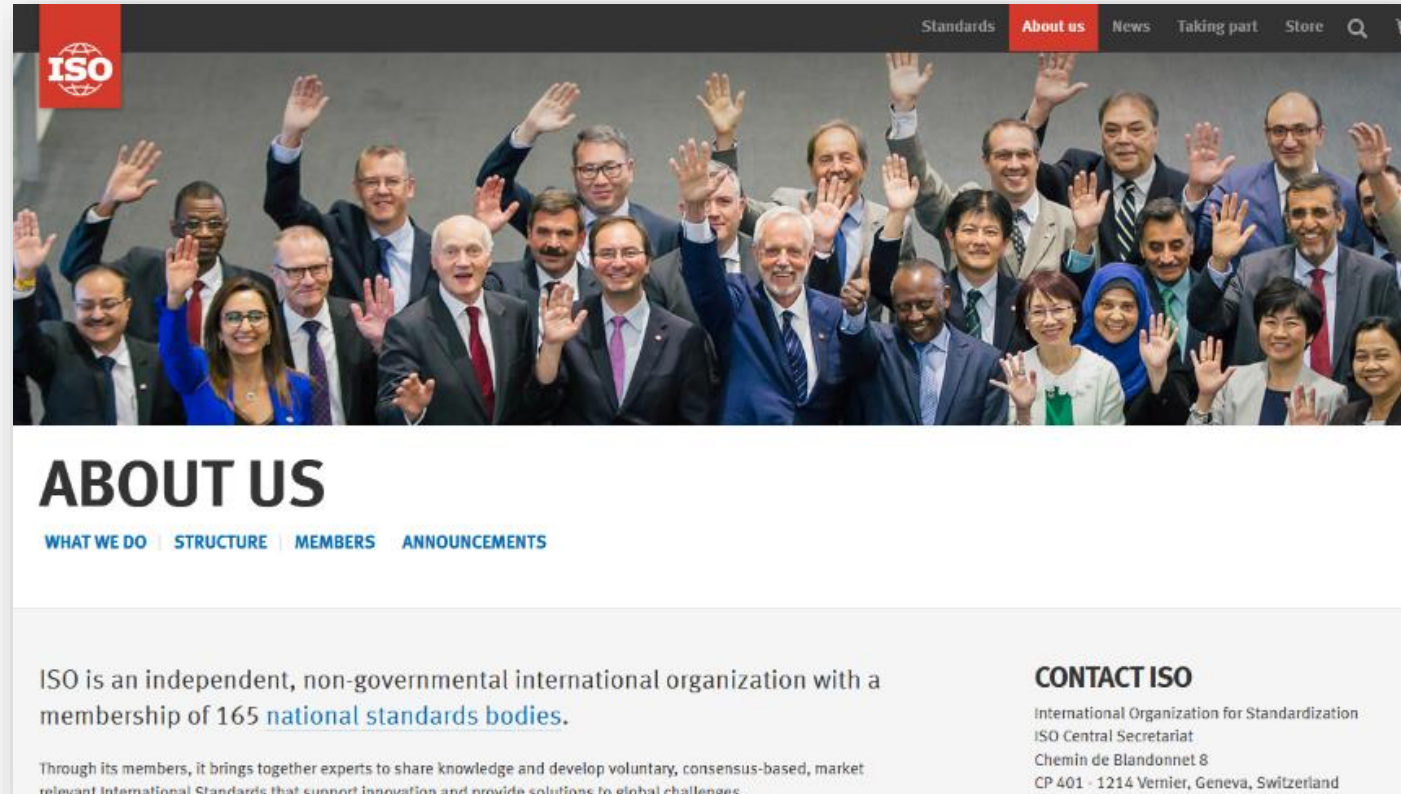
[Read the most up-to-date information from EPA about coronavirus.](#)



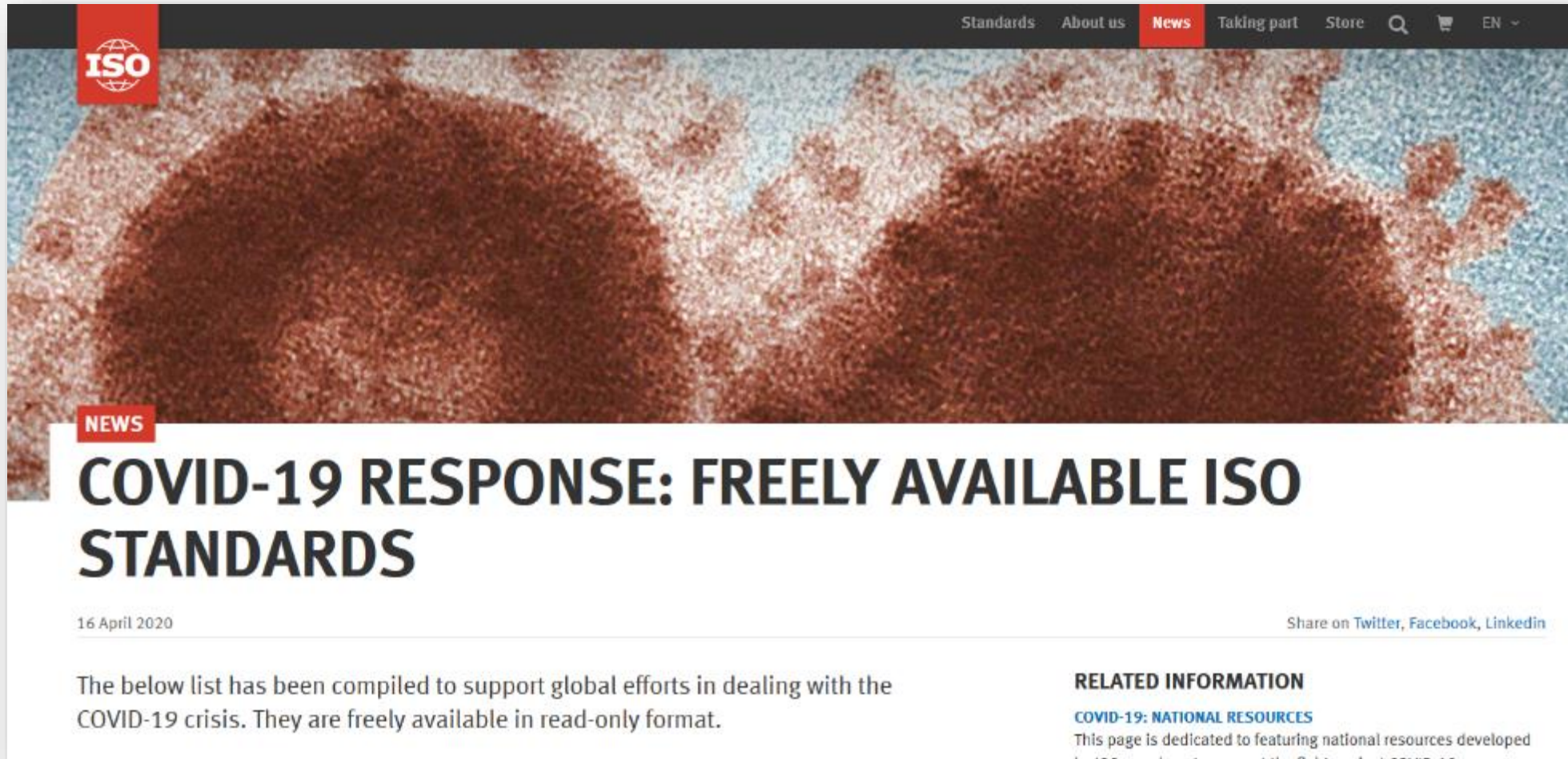
1 2 3

Organización Internacional de Normalización – ISO

- **Inicios:** 1947
- **Integrantes:**
 - ✓ 165 miembros que representan a ISO en su país. Un miembro por país.
- **Fines:**
 - ✓ Promover el desarrollo de la estandarización y las actividades relacionadas en el mundo con la mira en facilitar el intercambio de servicios y bienes.
 - ✓ Promover la cooperación en la esfera de lo intelectual, científico, tecnológico y económico.



Organización Internacional de Normalización – ISO



The screenshot shows the ISO website's news section. At the top, there is a navigation bar with links for Standards, About us, News (highlighted), Taking part, Store, and a search icon. Below the navigation bar is a large image of a virus particle. The main headline is 'COVID-19 RESPONSE: FREELY AVAILABLE ISO STANDARDS' in large, bold, black letters. To the left of the headline is a small red box with the word 'NEWS' in white. Below the headline, the date '16 April 2020' is displayed on the left, and social media sharing links for Twitter, Facebook, and LinkedIn are on the right. The text below the headline states: 'The below list has been compiled to support global efforts in dealing with the COVID-19 crisis. They are freely available in read-only format.' To the right of this text is a section titled 'RELATED INFORMATION' with a link for 'COVID-19: NATIONAL RESOURCES' and a brief description: 'This page is dedicated to featuring national resources developed...'

ISO

Standards About us **News** Taking part Store

NEWS

COVID-19 RESPONSE: FREELY AVAILABLE ISO STANDARDS

16 April 2020

Share on [Twitter](#), [Facebook](#), [LinkedIn](#)

The below list has been compiled to support global efforts in dealing with the COVID-19 crisis. They are freely available in read-only format.

RELATED INFORMATION

[COVID-19: NATIONAL RESOURCES](#)
This page is dedicated to featuring national resources developed...

Versiones de ISO 16000

ISO 16000-1:2004	Indoor air — Part 1: General aspects of sampling strategy
ISO 16000-2:2004	Indoor air — Part 2: Sampling strategy for formaldehyde
ISO 16000-3:2011	Indoor air — Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air — Active sampling method
ISO 16000-4:2011	Indoor air — Part 4: Determination of formaldehyde — Diffusive sampling method
ISO 16000-5:2007	Indoor air — Part 5: Sampling strategy for volatile organic compounds (VOCs)
ISO 16000-6:2011	Indoor air — Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID
ISO 16000-7:2007	Indoor air — Part 7: Sampling strategy for determination of airborne asbestos fibre concentrations
ISO 16000-8:2007	Indoor air — Part 8: Determination of local mean ages of air in buildings for characterizing ventilation conditions
ISO 16000-9:2006	Indoor air — Part 9: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test chamber method
ISO 16000-10:2006	Indoor air — Part 10: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test cell method
ISO 16000-11:2006	Indoor air — Part 11: Determination of the emission of volatile organic compounds from building products and furnishing — Sampling, storage of samples and preparation of test specimens

ISO 16000-12:2008	Indoor air — Part 12: Sampling strategy for polychlorinated biphenyls (PCBs), polychlorinated dibenzo-p-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs) and polycyclic aromatic hydrocarbons (PAHs)
ISO 16000-13:2008	Indoor air — Part 13: Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs) — Collection on sorbent-backed filters
ISO 16000-14:2009	Indoor air — Part 14: Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs) — Extraction, clean-up and analysis by high-resolution gas chromatography and mass spectrometry.
ISO 16000-15:2008	Indoor air — Part 15: Sampling strategy for nitrogen dioxide (NO ₂)
ISO 16000-16:2008	Indoor air — Part 16: Detection and enumeration of moulds — Sampling by filtration
ISO 16000-17:2008	Indoor air — Part 17: Detection and enumeration of moulds — Culture-based method
ISO 16000-18:2011	Indoor air — Part 18: Detection and enumeration of moulds — Sampling by impaction
ISO 16000-19:2012	Indoor air — Part 19: Sampling strategy for moulds
ISO 16000-20:2014	Indoor air — Part 20: Detection and enumeration of moulds — Determination of total spore count
ISO 16000-21:2013	Indoor air — Part 21: Detection and enumeration of moulds — Sampling from materials
ISO 16000-22	Indoor Air — Part 22: Detection and enumeration of moulds - Molecular methods
ISO 16000-23:2018	Indoor air — Part 23: Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials
ISO 16000-24:2018	Indoor air — Part 24: Performance test for evaluating the reduction of volatile organic compound concentrations by sorptive building materials
ISO 16000-25:2011	Indoor air — Part 25: Determination of the emission of semi-volatile organic compounds by building products — Micro-chamber method
ISO 16000-26:2012	Indoor air — Part 26: Sampling strategy for carbon dioxide (CO ₂)

ISO 16000-27:2014	Indoor air — Part 27: Determination of settled fibrous dust on surfaces by SEM (scanning electron microscopy) (direct method)
ISO 16000-28:2012	Indoor air — Part 28: Determination of odour emissions from building products using test chambers
ISO 16000-29:2014	Indoor air — Part 29: Test methods for VOC detectors
ISO 16000-30:2014	Indoor air — Part 30: Sensory testing of indoor air
ISO 16000-31:2014	Indoor air — Part 31: Measurement of flame retardants and plasticizers based on organophosphorus compounds — Phosphoric acid ester
ISO 16000-32:2014	Indoor air — Part 32: Investigation of buildings for the occurrence of pollutants
ISO 16000-33:2017	Indoor air — Part 33: Determination of phthalates with gas chromatography/mass spectrometry (GC/MS)
ISO 16000-34:2018	Indoor air — Part 34: Strategies for the measurement of airborne particles
ISO 16000-35	Indoor air. Part 35: Measurement of polybrominated diphenylether, hexabromocyclododecane and hexabromobenzene
ISO 16000-36:2018	Indoor air — Part 36: Standard method for assessing the reduction rate of culturable airborne bacteria by air purifiers using a test chamber
ISO 16000-37:2019	Indoor air — Part 37: Measurement of PM _{2,5} mass concentration
ISO 16000-38:2019	Indoor air — Part 38: Determination of amines in indoor and test chamber air — Active sampling on samplers containing phosphoric acid impregnated filters
ISO 16000-39:2019	Indoor air — Part 39: Determination of amines — Analysis of amines by (ultra-) high-performance liquid chromatography coupled to high resolution or tandem mass spectrometry
ISO 16000-40:2019	Indoor air — Part 40: Indoor air quality management system