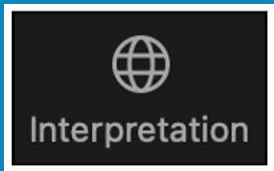


GHS Course Information Session

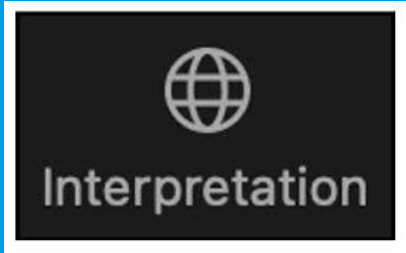
Informacion del curso del SGA

Welcome! *Bienvenido!*



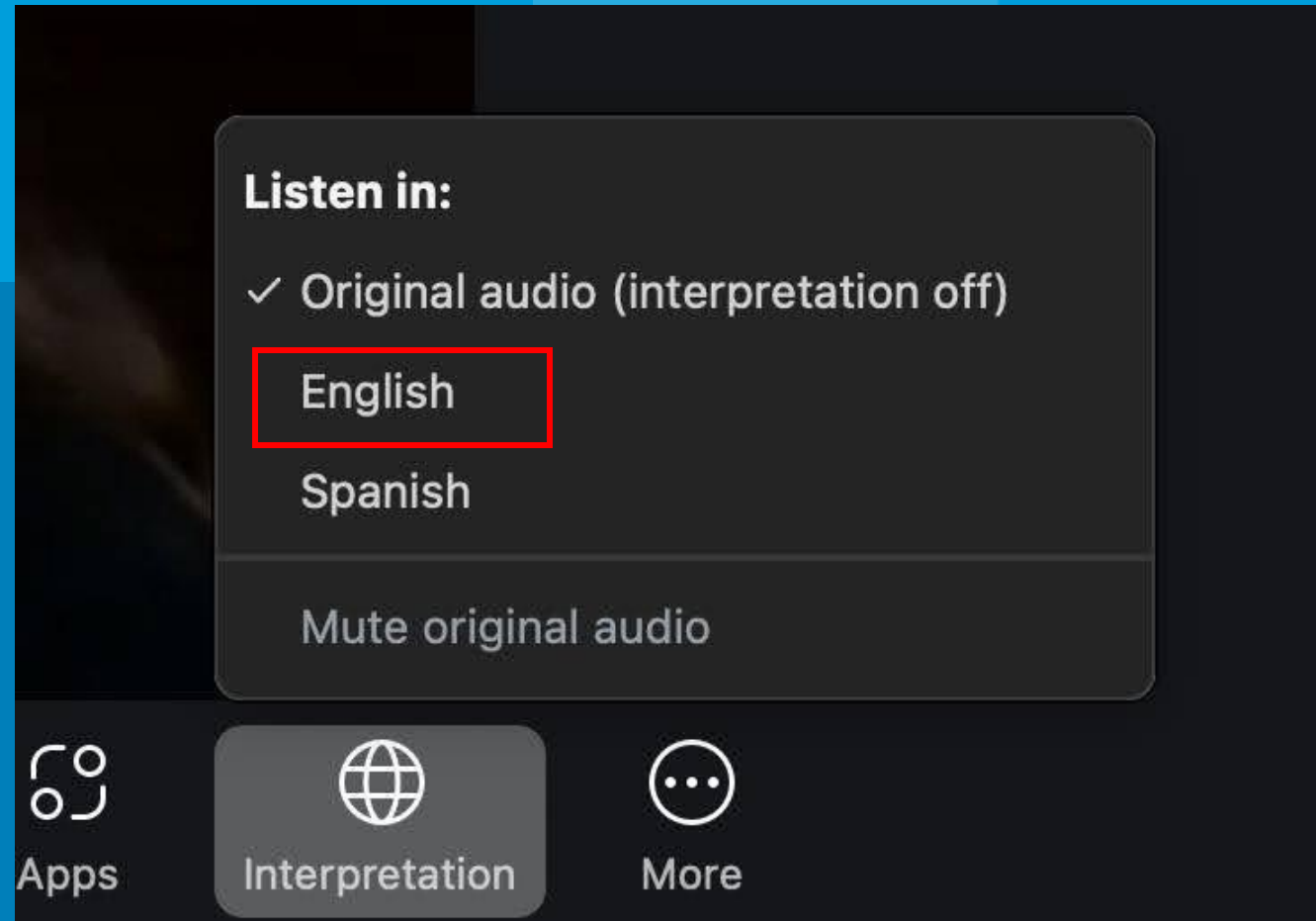
2026

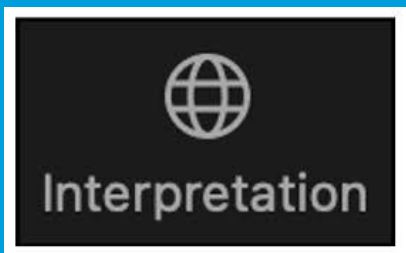




IMPORTANT NOTE:

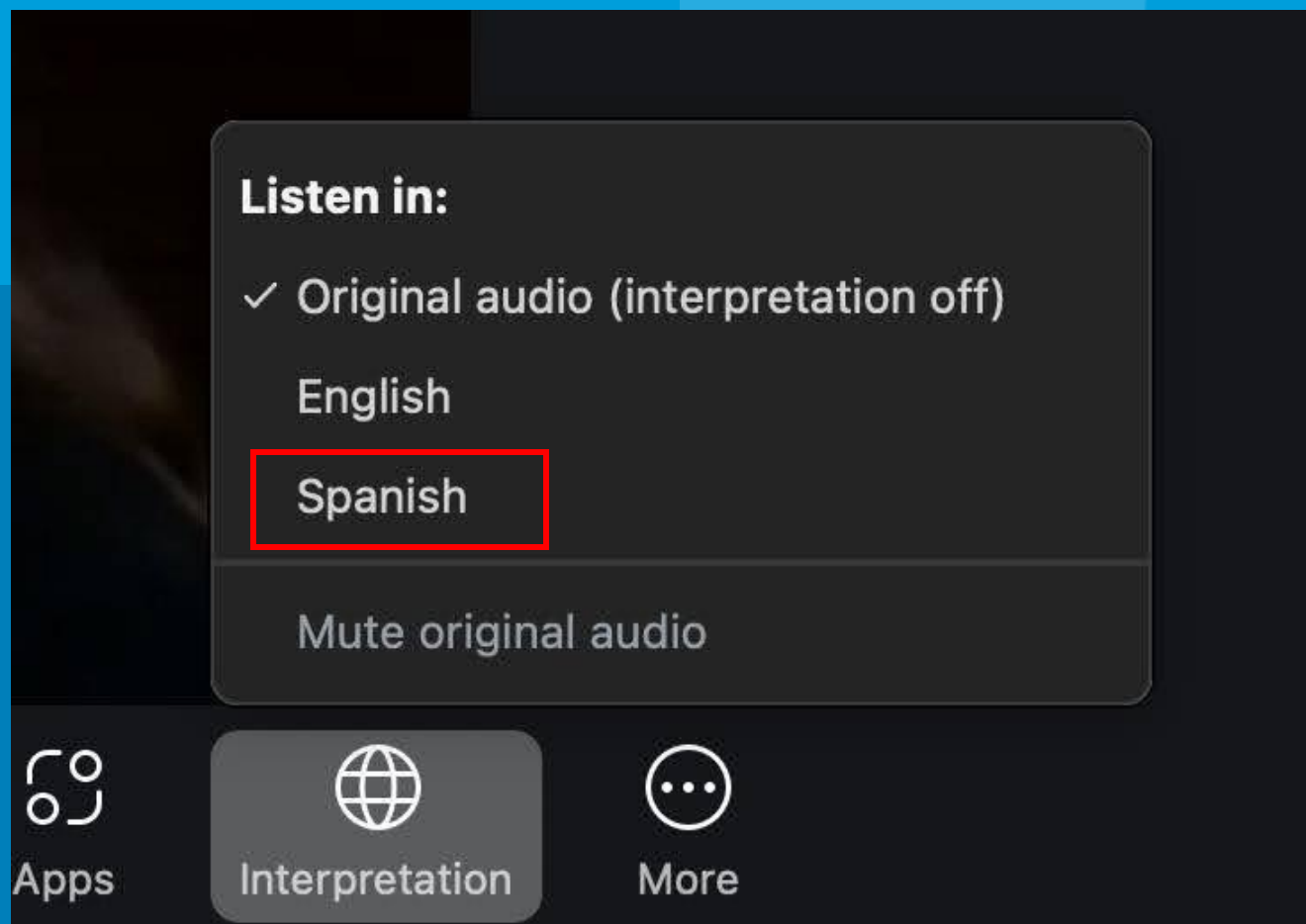
English Speakers:
Use the English
channel





NOTA IMPORTANTE

Para los
participantes de
habla hispana:
utilicen el canal en
español.



Agenda

This session will share information on the GHS, related resources and UNITAR's upcoming Courses, which will benefit those requiring more knowledge on labelling and classifying chemicals.

Esta sesión compartirá información sobre el SGA, recursos relacionados y los próximos cursos de UNITAR, que beneficiarán a quienes necesiten más conocimientos sobre etiquetado y clasificación de productos químicos.



1

Presentation / Presentación
| Oliver Wootton, UNITAR

2

GHS Course Introduction / Introducción al curso del SGA
| Delena Indar, UNITAR

3

Past participant remarks / Comentarios de participantes anteriores
| Cristóbal Troncoso Neira

4

Introduction to course tutor/s / Introducción a/s tutor/s del curso
| Fabián Benzo Moreira & Kim Headrick

5

Q&A / Preguntas y Respuestas



unitar

United Nations
Institute for Training and Research

- UNITAR was established in 1965. UNITAR se fundó en 1965.
- Conducts work in all regions on climate, diplomacy, chemicals and waste, and more. Realiza trabajos en todas las regiones sobre clima, diplomacia, productos químicos y residuos, entre otros.

Chemical and Waste Management Programme

Programa de Gestión de Productos Químicos y Desechos

- **Technical Assistance & Capacity Building**
Asistencia Técnica y Fortalecimiento de Capacidades
- **Policy and Strategy Development**
Desarrollo de políticas y estrategias
- **Development of Curricula and Training Programmes**
Desarrollo de planes de estudio y programas de formación

Context of the GHS / Contexto del SGA

GHS is the backbone of chemicals management –
a **fundamental** component of the sound management of chemicals, applicable to all sectors; **health, labour, agriculture, environment, transport, trade, and more.**

El SGA es muy importante en la gestión de sustancias químicas – un componente fundamental de la gestión adecuada de los productos químicos, aplicable a todos los sectores; Salud, trabajo, agricultura, medio ambiente, transporte, comercio y más.



Poll / Preguntas

1. How would you describe your current experience with the GHS?
¿Cómo describirías su experiencia actual con el SGA?

2. Which best describes your affiliation?
¿Qué describe mejor sus afiliación?

3. What are you most interested in learning about today?
¿Qué es lo que más se interesa aprender hoy?

GHS Courses / Los cursos del SGA

1



KEMI
Swedish Chemicals Agency

Enter search term

Rules and regulations Guidance for companies Pesticides and biocides

Stats / English / International cooperation / Support for development of national chemicals control / International training and workshops / Online courses

Online-courses on chemicals management

The Swedish Chemicals Agency offers online-courses to improve knowledge of chemicals management. The courses are mainly intended to assist national officers and key stakeholders that are working with national chemicals control in their countries.

Interactive online-courses on GHS and sustainable financing

The Swedish Chemicals Agency has developed two new interactive courses. The courses are easy to access and provide a self-paced learning. The courses take about 1 hour each to complete and a course certificate is issued after a final test. At the moment, the courses are only available in English.

Introduction to the GHS, Globally harmonized system of classification and labelling of chemicals

Financing Pesticide Registration and Control

www.kemi.se/en/international-cooperation/support-for-development-of-national-chemicals-control/international-training-and-workshops/online-courses

No cuesta.

2

Clasificación y etiquetado de productos químicos según el SGA de la ONU (14 de Septiembre - 27 de Noviembre de 2026)

Ubicación
Web-based

Fecha
14 Sep 2026 - 27 Nov 2026

Duración
11 Semanas

Área del programa
Chemicals and Waste Management

Sitio web
<https://unitar.org/susta...>

Precio
1.000,00 US\$

Correo Electrónico del Centro de Coordinación del Evento
ghs@unitar.org

Inscripción
Open-registration event

Tipo de aprendizaje
E-learning

Idioma(s)
Spanish

Pilar
Planeta

Mas avanzado.

3

Training of trainers, and sessions with companies and individuals are at a cost based on requirements.

Are there any free GHS resources? Hay recursos?

Si, mucho!



Legislación Modelo para la Implementación del Sistema Globalmente Armonizado de Clasificación y Etiquetado de Productos Químicos (SGA)

Agosto 2025



FILM 3 – PART I

This short video (part I and part II) introduces the Globally Harmonized System of Classification and Labelling (GHS) and its relation to Agriculture. Part I introduces the importance and relevance of GHS to pesticides, and part II provides information on implementation of the GHS at international, regional, and national levels.



This includes free periodic technical-based webinars with our experts.
Esto incluye seminarios web técnicos periódicos gratuitos con nuestros expertos.

Developing a National GHS Implementation Strategy

A Guidance Document to support implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)



IOMC

INTER-ORGANIZATION PROGRAMME FOR THE SOUND MANAGEMENT OF CHEMICALS
A cooperative agreement among FAO, ILO, UNEP, UNODC, UNITAR, WHO and WHO



<https://unitar.org/sustainable-development-goals/planet/our-portfolio/globally-harmonized-system-classification-and-labelling-chemicals>

HOJA DE RUTA DE IMPLEMENTACIÓN DEL SGA/GHS PARA PAÍSES DE AMÉRICA LATINA Y EL CARIBE - 15/02/2023

Grabación del webinar

- Español

Presentaciones

- [Español] Implementación del SGA/GHS – Fabián Benzo Moreira

TRAINING MATERIALS AND RESOURCES

- GHS Model Legislation (English)
- GHS Model Legislation (Spanish)
- Relevance of the GHS to Plastics and Associated Chemicals;
- Developing a National GHS Implementation Strategy;
- Understanding the GHS: A Companion Guide to the Purple Book;
- A GHS scheme in the IOMC Toolbox;
- GHS e-Learning course, run twice a year;
- The GHS roster of experts;
- GHS webinars;
- Other resources under the Global Partnership to Implement the GHS.

Other Chemicals and Waste courses

RISK REDUCTION
OF CHEMICALS



Risk Reduction of Chemicals

- 📁 Risks, Chemicals
- 📄 Self-paced
- 🕒 45 minutes
- 📖 [Syllabus](#)
- 🎥 [Introductory video](#)
- 📄 [How to access](#)
- 🌐 [English](#)
- 💰 Free course

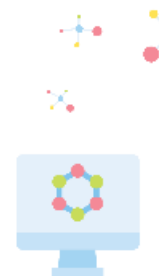
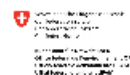
WASTE MANAGEMENT & CIRCULAR ECONOMY



Waste Management and Circular Economy

- 📁 Waste, Economy
- 📄 Self-paced
- 🕒 6 hours
- 📖 Syllabus: [EN](#), [ES](#), [PT](#)
- 📄 How to access: [EN](#), [ES](#), [PT](#)
- 🌐 [English](#), [Spanish](#), [Portuguese](#)
- 💰 Free course

NANOMATERIALS SAFETY



Nanomaterials Safety

- 📁 Nanomaterials, Health
- 📄 Self-paced
- 🕒 45 minutes
- 📖 [Syllabus](#)
- 📄 [How to access](#)
- 🌐 [English](#)
- 💰 Free course

Presentation

**GHS: A common
language for safer work
and safer trade**



**Oliver WOOTTON
UNITAR**

Purpose and benefits of the GHS



Enhance the protection of human health and the environment by providing an internationally comprehensible system for hazard communication;

Mejorar la protección de la salud humana y el medio ambiente; proporcionar un sistema internacionalmente comprensible para la comunicación de peligros



Provide a legal framework for countries without an existing system;

Representar un marco reconocido para países sin un sistema existente



Reduce the need for testing and evaluation of chemicals;

Reducir la necesidad de probar y evaluar productos químicos

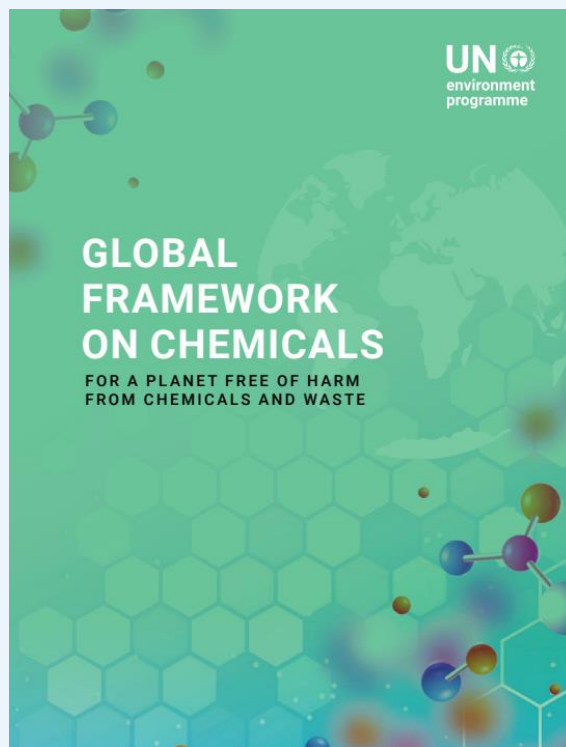


Facilitate international trade in chemicals whose hazards have been properly assessed and identified on an international basis

Facilitar el comercio internacional cuando los peligros han sido adecuadamente evaluados e identificados a nivel internacional

Context of the GHS

Target B6: “By 2030, all Governments have implemented the GHS in all relevant sectors as appropriate for their national circumstances.”



“The GHS has become the international standard for classification and labelling of chemicals, including pesticides... This guidance recommends use of the GHS for pesticide labelling”.

Elements of GHS

Hazard assessment

Is it hazardous?
How hazardous
is it?

Criteria for
classification

Labels

Safety
Data
Sheets

How do you make
people aware of
the hazard?

Hazard communication

GHS: a common language for safer work and safer trade

The policy value and scientific foundations of hazard communication





One chemical, many actors, one common language

Producer



Manufactures
chemicals

Exporter



Ships to
overseas markets

Importer



Receives and stores
chemicals

Workplace



Uses chemicals
safely in operations

Worker



Protected through
clear hazard
information



**Building trust along the supply chain:
enabling trade and safer work**



GHS enables information to travel with chemicals



Safety Data Sheet



Hazard identification



Composition, ingredients



First-aid measures



Handling and storage



Exposure controls /
personal protection



Emergency information

Toxicological information



Protecting trade secrets without compromising chemical safety by communicating hazards



[oecd/legal/0199](https://www.oecd.org/legal/0199)

Confidential Business Information

*Formulation of a mixture,
Manufacturing processes,
Production volumes,
Customer or supplier information,
Precise
Other technical information*

Hazard and Safety Information

*GHS Labels
Safety Data Sheets
Decision of the Council concerning the
Minimum Pre-Marketing Set of Data in
the Assessment of Chemicals*





A real-world challenge: when information meets confidentiality

My formulation is commercially sensitive



I need sufficient information to verify compliance



I need reliable hazard and safety information





Protecting trade secrets without compromising chemical safety by communicating hazards

CONFIDENTIAL



[oecd/legal/0199](https://oecd.org/legal/0199)





Building trust in the information: the science behind the GHS



How the OECD contributes to the scientific foundation of the GHS





When the GHS was established, the OECD work focused on [human] health and environmental hazards and was initially related to:

- > Comparing existing classification systems*
- > Examining the scientific basis for criteria for the hazard class of concern, gaining expert consensus on test methods, data interpretation, and level of concern, then seeking consensus on the criteria*
- > Development on a process for using criteria (e.g. a decision tree)*

OECD is the lead organisation for development of harmonised hazard criteria (though the GHS is not exclusively tied to OECD Test Guidelines)

OECD asked for input on scientific and technical issues; e.g. potential new hazard classes



Endocrine disruptors: is the GHS keeping pace with science?

OECD ad hoc expert group mandate

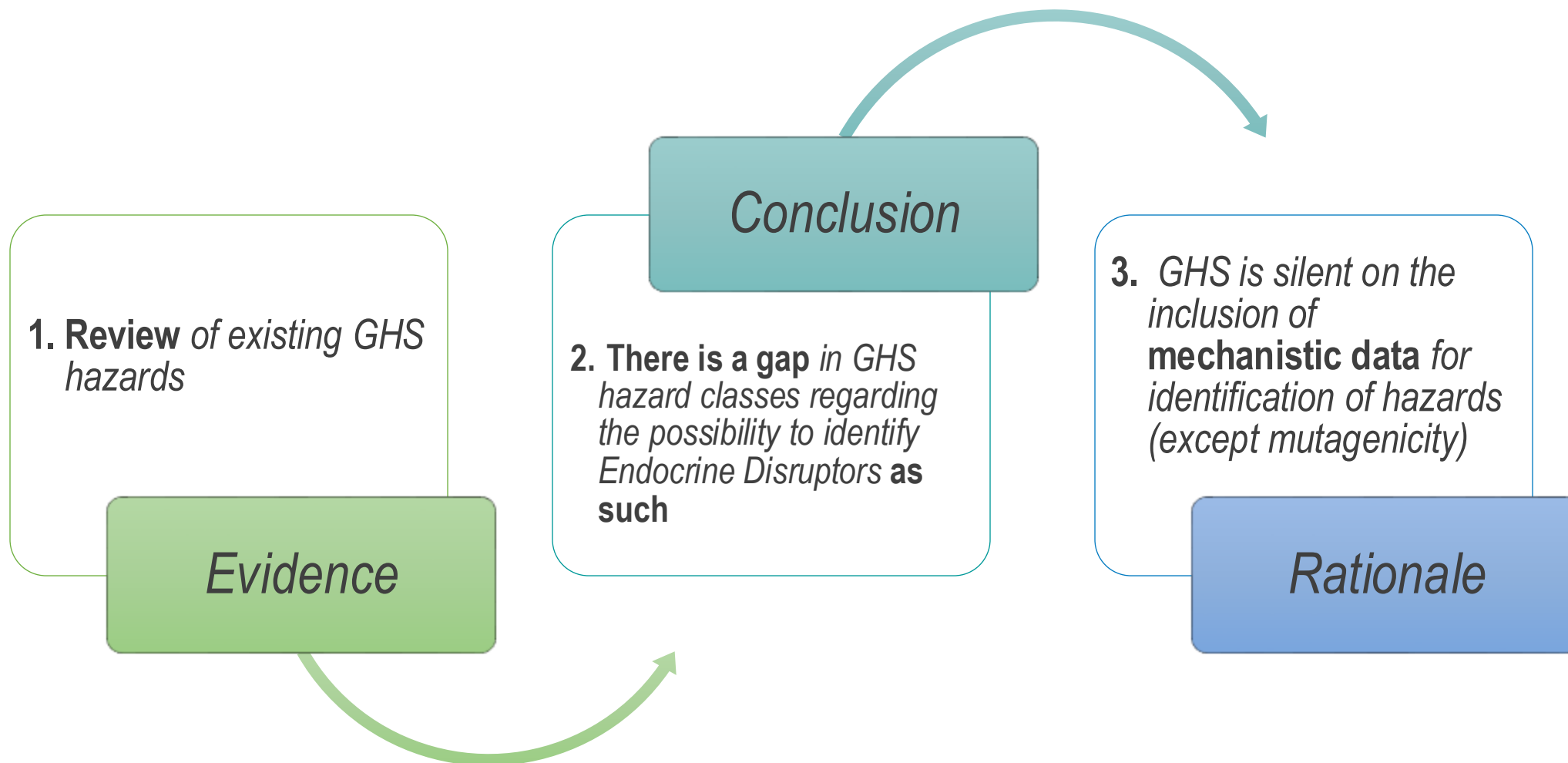
Identify any gaps regarding the possibility to adequately classify and label EDs under the GHS

Review the science needed for classification and labelling of substances and mixtures that have endocrine disrupting properties

Assess whether the existing definition of endocrine disruptors as defined by the WHO/IPCS (2002) is sufficient in the context of the GHS



Key findings: A gap in the GHS with regard to classifying endocrine disruptors





What does the science tell us – and what comes next?

OECD report

Conclusion: there are substantial gaps in the availability, standardisation, and validation for methods available to identify endocrine disruption beyond the best-understood hormonal pathways.

Next: Basis for future research, standardisation, validation efforts to expand guideline methods for identifying Endocrine Disruptors



Restricted Use - À usage restreint



Report on the State of the Science to Address Endocrine Disruptors Under the Globally Harmonised System of Classification and Labelling

Series on Testing and Assessment





Internationally agreed methods

Globally Harmonized System

Information travels with chemicals

OECD Test Guidelines

Classifications

Good Laboratory Practice

Labelling

Mutual Acceptance of Data

Safety Data Sheets

A science-based common language for chemical hazards helps protect people while enabling chemicals to move safely through global supply chains.

Subscribe to our Webinar
series – Fill in form



IOMC Toolbox

www.iomctoolbox.org



This project is funded by the European Union

Restricted Use - À usage restreint

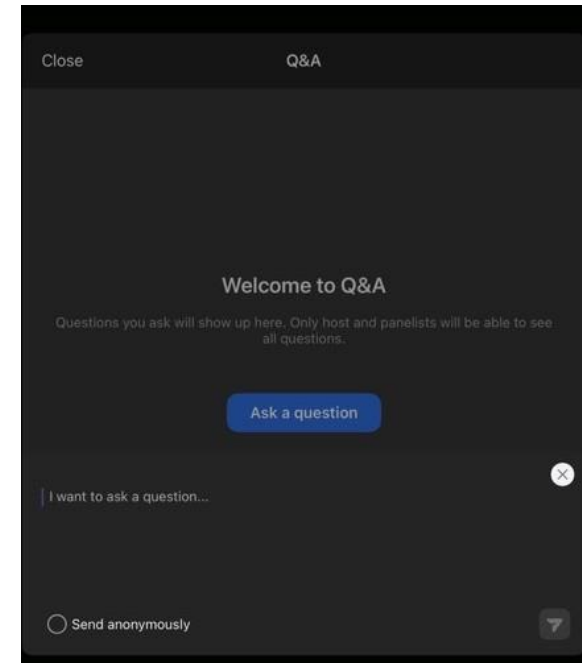
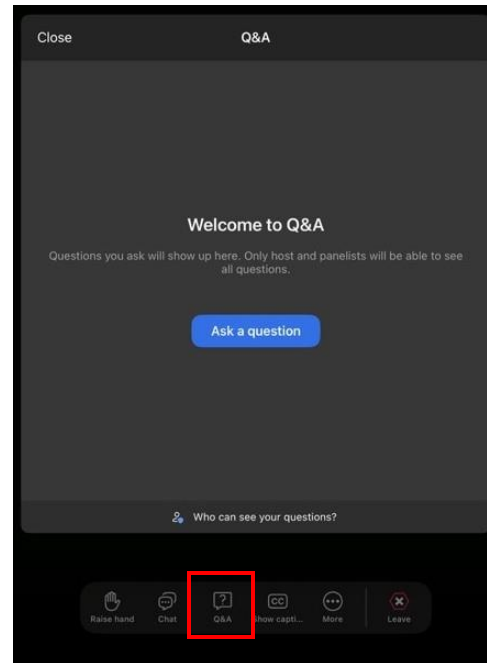


Thank you



Questions / Preguntas

Please use the Q and A box!



Por favor, utiliza las preguntas y respuestas!

Classifying and Labelling Chemicals According to the UN GHS

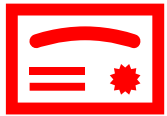
Clasificación y etiquetado de productos químicos según el SGA de la ONU

14 Sept. - 27 Nov. 2026 (ESP) | 21 Sept. - 04 Dec 2026 (ENG)

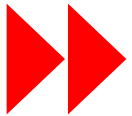
E-Learning Course



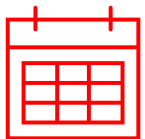
English, French, Spanish
Inglés, francés, español



Digital Certificate: >70% on each test and open question
Certificado Digital: >70% en cada examen y pregunta abierta



Self-paced within modules
Auto-ritmo dentro de los módulos



11 weeks
11 semanas

Learning objectives / Los objetivos

- ✓ Learn how to describe the international policy framework for the GHS and international chemicals management.
- ✓ Apply GHS criteria in classifying physical, health and environmental hazards.
- ✓ Select appropriate hazard communication elements.
- ✓ Develop effective hazard communication strategies adapted to specific contexts.

Enroll now to gain expert knowledge!

¡Participa en este curso y potencia tu experiencia!

- ✓ Describir el marco de políticas internacionales para el SGA y la gestión internacional de sustancias químicas.
- ✓ Aplicar los criterios del SGA para clasificar los peligros físicos, ambientales y para la salud.
- ✓ Seleccionar los elementos de comunicación de peligros adecuados.
- ✓ Desarrollar una clasificación para las fichas de datos de seguridad y las etiquetas basadas en el SGA.
- ✓ Desarrollar estrategias de comunicación de peligros eficaces adaptadas a contextos específicos.

FAQ: Who is this course for?

- GHS competent authorities
- Civil servants in national ministries, provincial departments, and local authorities ("regulators")
- Environmental and occupational safety managers in the private sector
- Private sector employees responsible for hazard assessment/classification and preparing labels and safety data sheets
- Civil society organizations interested in consumer safety, chemicals management, or right-to-know
- Faculty members, researchers, and students

As this is an advanced and technical course, participants are expected to have a solid basic knowledge in natural sciences (chemistry, biology) and in mathematics (for rather non-advanced equations, e.g., see sub-section 2.4.4.2 in the [Purple Book](#), p.66), as well as some experience with non-GHS classification systems and/or in hazard/risk assessments.

El curso está dirigido a los siguientes grupos e individuos:

- Autoridades competentes del SGA
- Funcionarios de los ministerios nacionales, departamentos provinciales y autoridades locales ("reguladores")
- Gerentes de seguridad ambiental y ocupacional en el sector privado.
- Empleados del sector privado responsables de la evaluación / clasificación de riesgos y la preparación de etiquetas y hojas de datos de seguridad
- Organizaciones de la sociedad civil interesadas en la seguridad del consumidor, la gestión de productos químicos o el derecho a saber
- Miembros de la facultad, investigadores y estudiantes.

Como se trata de un curso avanzado y técnico, se espera que los participantes tengan un conocimiento básico sólido en ciencias naturales (química, biología) y en matemáticas (para ecuaciones más bien no avanzadas, por ejemplo, vea la subsección 2.4.4.2 en el [Libro Púrpura](#), p.68), así como cierta experiencia con sistemas de clasificación que no son SGA y / o en evaluaciones de peligro / riesgo.

Costs and special packages

Fees & Registration

Precio / Course fee: USD 1,000

Group Discounts available upon request / Hay descuentos para grupos

[Register online](#)

Special Packages

- Discounts or packages for groups / Hay descuentos y paquetes para grupos.
 - 3 – 5 persons or
 - 6 – 9 persons
- 10+ persons in the course from the same organization
 - Free session for your organization with GHS experts / Webinar gratuito para su organización
 - Email ghs@unitar.org

Participante del Curso



Cristóbal Troncoso Neira,
ATJ Chile

BIO

- Ingeniero en Prevención de Riesgos con experiencia en seguridad industrial, gestión química y cumplimiento normativo.
- Especializado en elaboración y homologación de Hojas de Datos de Seguridad (HDS/SDS) conforme a DSN°57:2019 y NCh2245:2021, así como en clasificación de peligros y etiquetado de productos químicos de acuerdo con el SGA internacional y el DSN°57:2019 Chile.
- Participación en auditorías HSE y gestión documental orientada a seguridad química y regulación aplicable.
- Certificado por UNITAR en Clasificación y Etiquetado de Productos Químicos bajo SGA.

Scholarships / becas?

Answer: There are a limited number of scholarships available during certain editions of the course.

Sí. Hay un número limitado de becas disponibles en determinadas ediciones del curso.

Email: ghs@unitar.org;

GHS Course Tutors - English



Dr. Helmut Fleig



Kim Headrick

GHS Course Tutors – French and Spanish



Olivier Kervella



Fabián Benzo

GHS Course Tutor (English)

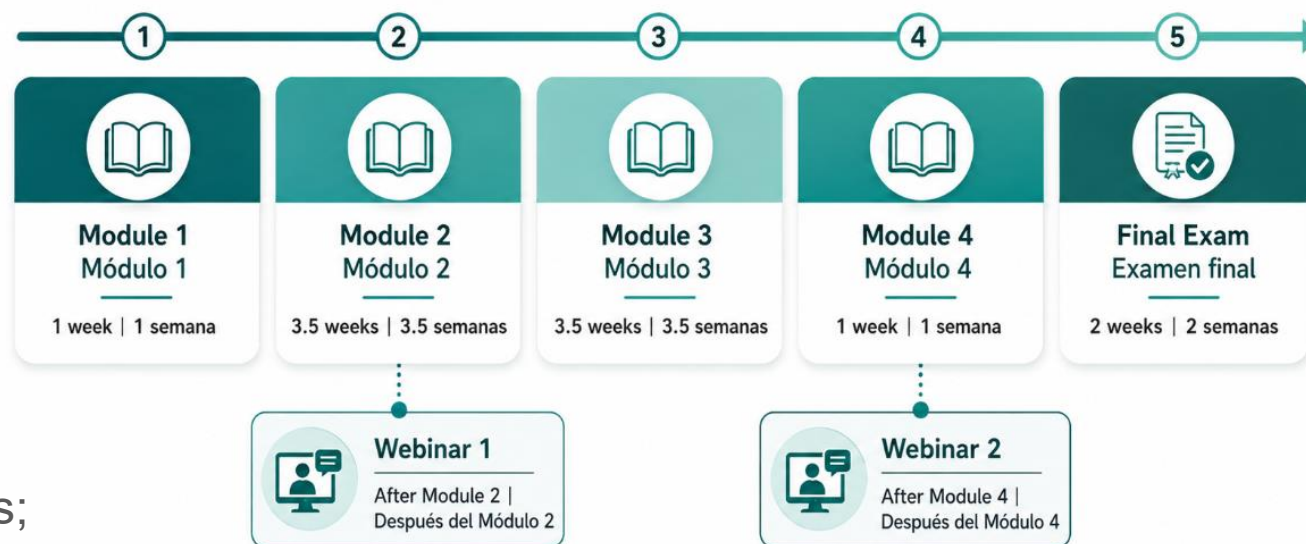


Kim Headrick

Modules / Módulos

1. Introduction, scientific and regulatory principles, hazard classification, and hazard communication;
2. Classification of physical hazards;
3. Classification of health hazards;
4. Classification of environmental hazards.

1. Introducción, principios científicos, clasificación y comunicación de peligros;
2. Clasificación de peligros físicos;
3. Clasificación de peligros para la salud;
4. Clasificación de peligros para el medio ambiente.



El tutor del curso del SGA



Fabian Benzo

Inside a Module: Interaction with the tutors

- Lessons
- Exercises

Classification of environmental hazards

Available from **April 9, 2026**

Learning Objectives

Lessons

4.1: Hazardous to the Aquatic Environment

4.2: Hazardous to the Atmospheric System

Module 4 PDF

Exercises

Exercise Booklet - Module 4

Answer Booklet - Module 4

- Webinars / Webinarios
- Discussion Forums / foros de discusión
- Assessments / Pruebas y el examen final

Foro de discusión

Foro de discusión - módulo 4

Evaluaciones

Importante: El curso y las fechas límite asociadas se rigen por la zona horaria de Europa central, cuya hora actual se muestra a continuación. Tenga esto en cuenta al planificar la entrega de sus tareas.

**miércoles, 12 de agosto de 2026
16:36:32 CEST**

Prueba del módulo 4: clasificación de peligros para el medio ambiente
Cierre: miércoles, 14 de mayo de 2025, 23:59

Finalización ▾

Revisión de la prueba del módulo 4

No disponible hasta que: Ha obtenido una puntuación mayor que cierta puntuación en ... [Mostrar más ▾](#)

Questions

Please use the Q and A box!

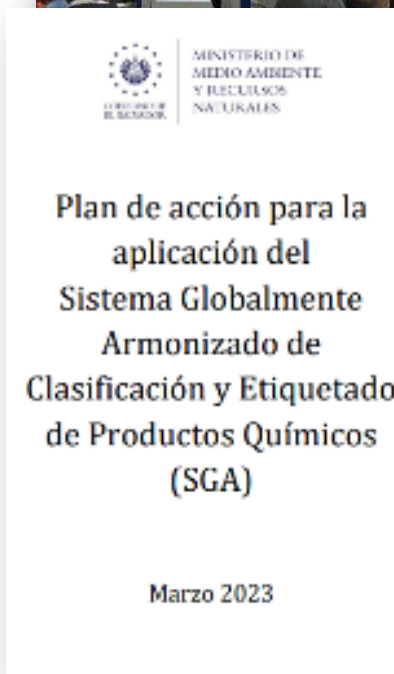


Questions – received during registration

Preguntas recibidas durante el registro

- Could you please elaborate on the definition of environment considered by the Purple Book and its interconnection with humans?
 - How does GHS apply to healthcare sector?
 - What progress has been made in adopting the GHS across the region?
 - How often is the GHS updated, and every time it is updated, does it also need to be updated at the local level?
-
- ¿Podría explicar con más detalle la definición de medio ambiente considerada por el Libro Púrpura y su interrelación con los seres humanos?
 - ¿Cómo se aplica el SGA al sector de la salud?
 - ¿Qué avances hay en la adopción del SGA en la región? / Conocer la experiencia de otros países en la implementación de SGA.
 - ¿Con qué frecuencia se actualiza el SGA y, cada vez que se actualiza, ¿también es necesario actualizarlo a nivel local?

In the region



[See the Digital Learning Hub for access!](#)

- Roadmaps and Implementation Strategies
Desarrollo de Hojas de Ruta y Estrategias de Implementación
- Support in drafting and revising legislation
Apoyo en la redacción y revisión de legislación
- Training
 - Formación



Panama



Ecuador



El Salvador



Perú



Caribbean

Also: Armenia, Benin, Georgia, Ghana, Kenya, Kuwait and other Gulf countries, Nigeria, Pakistan, Tanzania, Ivory Coast; Others upcoming

FAQ: How is the GHS updated?

UN Sub-Committee of Experts on the GHS meets twice a year

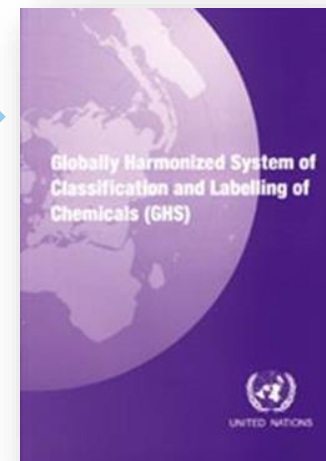
The UN Committee of Experts on TDG and GHS meets every other year in order to adopt amendments

New edition every other year



Suggestions for amendments

GHS Rev.11 was adopted in 2024, and released in 2025



Thank you.

**For more information, or further inquiries such as group
rates and technical support. contact:
ghs@unitar.org**