

PSCI最新进展

The PSCI and New Developments

Ingrid Vande Velde | 外部供应链亚太及欧洲EHS高级经理 | 强生 | PSCI 主席

Ingrid Vande Velde | Sr. Manager EHS&S External Supply EMEA – ASPAC | Johnson & Johnson | PSCI Chair

徐文嘉 | 全球安全与环境副总监 | 默沙东 | 2023PSCI中国工作组负责人

Wenjia Xu | Assoc. Dir. Safety & Environment | MSD | PSCI China Sub Team Lead

嘉宾介绍 Speaker Bio

- 姓名 Name: Ingrid Vande Velde
- 职位 Position:
外部供应链亚太及欧洲EHS高级经理, 强生; PSCI主席
Sr. Manager EHS&S External Supply EMEA – ASPAC; PSCI Chair
- 公司 Company: 强生 Johnson & Johnson

- 背景 Background:

Ingrid在强生负责外部供应链EHS/可持续合规与风险管理。她同时管理亚太和欧洲区面向供应商的可持续发展事务。

Ingrid supervises a team of professionals that help ensure EH&S and Sustainability compliance and risk management oversight at external manufacturing and targeted supplier sites; she also leads the deployment of sustainability efforts for EMs and API suppliers in EMEA & ASPAC.



嘉宾介绍 Speaker Bio

- 姓名：徐文嘉
- 职位：副总监，全球安全与环境
- 公司：默沙东
- 联系方式：13918155932

- 背景：

- 18年化工制药企业EHS管理经验。先后就职于上海化工、巴斯夫聚氨酯、罗氏制药、强生外部供应链。2023年PSCI中国小组负责人；PSCI工业卫生小组成员。
- 国家注册安全工程师
- 美国注册工业卫生师



内容提要

PSCI愿景 PSCI Vision

PSCI原则 PSCI Principles

能力建设 Capability Building

PSCI审计项目 Audit Program

在华合作伙伴 Regional Partnerships in China

PSCI愿景 PSCI Vision

使命与愿景

我们的使命与愿景是连结成员公司，建立并推广负责任的供应链实践，包括劳工权益、环境可持续、以及负责任的商业行为等。

Our vision is for excellence in safety, environmental, and social outcomes for the whole of the global pharmaceutical and healthcare supply chain.

Our purpose is to bring together members to define, establish, and promote responsible supply chain practices, human rights, environmental sustainability, and responsible business.



2021-2023 PSCI 战略 STRATEGY

EFFECTIVE GOVERNANCE 高效治理

1. Be a respected and influential entity
2. Build effective mechanisms to measure progress against this strategy and PSCI's impact
3. Overhaul the committee structure to support and drive the strategy
4. Establish structures for the next ten years, including exploring permanent staffing

LEADERSHIP 领导力

1. Establish PSCI tools as the industry standard
2. Demonstrate PSCI as a force for change in the sector
3. Develop and deploy new tools for new issues as they arise in our sector

AUDIT 审计项目

1. Promote consistency, quality and innovation in all aspects of supplier evaluation and audit
2. Exponential growth in the number of suppliers sharing information via the PSCI
3. Create a community of excellent auditors

PARTNERING 合作伙伴

1. Evaluate existing partnerships and continue to extend our reach
2. Increase engagement with governments, INGOs and IGOs
3. Build partnerships to support supplier continuing professional development (CPD)



REGIONAL PRESENCE 地区影响力

1. Be a Global organization with strong regional presence
2. Establish clear regional governance
3. Evaluate the China and India pilots and extend to other regions

SUPPLIER LEARNING 供应商能力建设

1. Offer world leading supplier capability building online and in-person
2. Deliver online with the best technology and structured learning
3. Build the community and enhance collaboration among members and suppliers
4. Develop supplier recognition for specific projects or

INNOVATION 创新

1. Establish the tools and governance for PSCI to deliver collaborative projects
2. Support/develop new collaborative projects

COMPELLING COMMUNICATION 影响力传播

1. Engage with essential partners to build PSCI's reputation
2. Develop and maintain professional brand and communications materials
3. Support and maintain excellent community platforms

PSCI原则 PSCI Principles

PSCI 原则覆盖五大企业责任的核心领域（**道德，劳工，健康及安全，环境，管理体系**），确保成员能够肩负在医药行业及医疗保健行业的供应链管理责任。2023年5月，PSCI正式发布经过两轮成员公司咨询后的**PSCI原则3.0版本**。

PSCI工具（包括审计模板、成熟度模型等）均基于PSCI原则开发。PSCI成员将该系列原则贯彻于供应商审核等，旨在帮助供应商持续提高可持续实践。

The Principles (v3.0) were updated in 2022 and formally approved and launched by the PSCI Membership on 23 May 2023 at Spring Meeting.

Governance and Management Systems

- Culture, commitment and accountability
- Legal and customer requirements
- Risk management
- Traceability and control
- Training and competency
- Documentation
- Continual improvement
- Emergency preparedness and response
- Grievance mechanisms
- Response and Remediation
- Effective communication

Ethics

- Patient safety and access to information
- Anti-bribery and corruption
- Fair competition
- Animal welfare
- Data privacy and security
- Avoidance and management of conflicts of interest
- Product protection and quality

Human Rights

- Freely chosen employment
- Child labor and young workers
- Non-discrimination
- Fair treatment
- Wages, benefits and working hours
- Freedom of association and right to collective bargaining
- Local communities

Health & Safety

- Safety of the work environment
- Worker protection, health and wellbeing
- Process safety

Environment

- Environmental authorizations and reporting
- Management of waste and emissions
- Climate change
- Resource efficiency
- Biodiversity conservation
- Spills and releases prevention

PSCI 现有成员


全球范围内74家成员公司（截至2022年底） 74 members worldwide

Our Members

74 Members Worldwide in 2022


34 Full Members

40 Associate Members

 Abbott

abbvie

 acino


AstraZeneca 

 BASF
We create chemistry

Baxter


 BAYER

 Boehringer
Ingelheim

 Bristol Myers Squibb

Catalent

 CENTRIENT
Pharmaceuticals

 Coloplast

Dr.Reddy's 

Elanco

GSK

HALEON

Johnson & Johnson

Lilly

 Mallinckrodt
Pharmaceuticals

 MERCK

 NOVARTIS

 novo nordisk

ORION

 Pfizer

 Piramal

 Roche

sanofi

SARTORIUS

 STA
WuXi AppTec

 Takeda

teva

 UCB
Inspired by patients.
Driven by science.

 VIATRIS

West 

When you join the PSCI you join a community committed to promoting responsible supply chains and better business conduct.



PSCI 现有成员

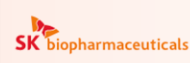
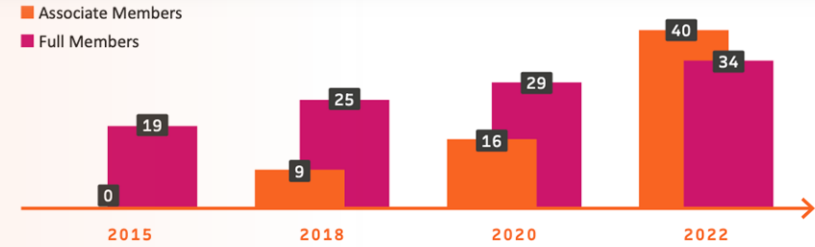
全球范围内74家成员公司（截至2022年底） 74 members worldwide

Our Members

74 Members Worldwide in 2022

34 Full Members

40 Associate Members



PSCI影响力模型 Modes of Impact

The PSCI seeks to build responsible supply chains for the whole of the pharmaceutical and healthcare supply chain. We do this through three main workstreams: audit, capability building, and collaborative projects.

PSCI推进医药健康行业的**可持续供应链**建设，并通过**供应商审计、能力建设及发展外部合作伙伴**，发挥其影响力。



Audit Program

Our Audit Guidelines establish a standardized framework for a range of audits for suppliers in the pharma and healthcare sector. Our audits reflect the PSCI Principles and are carried out by approved audit firms or PSCI member auditors. Via our shared audit platform, members and suppliers can gain efficiencies on audits and we can track supplier maturity and improvement over time.

1 审计项目

Capability Building

We offer leading capability training at the global and regional level using knowledge from the biggest companies in the pharma and healthcare sector. Members and suppliers at any level of maturity can access our tools, resources, and conferences to upskill themselves and continuously improve.



2 能力建设



Collaborative Projects

Our robust governance structure and sector coverage enables us to develop collective responses and actions on specific topics such as high risk materials or the Musi River Revitalization Initiative.

3 合作项目

能力建设 Capability Building

供应商能力建设 Supplier Capacity Building

PSCI供应商成熟度模型

PSCI希望通过供应商能力建设，推动行业内供应商发展。我们提供由行业专家牵头组织的**供应商大会、线上研讨会**，并开发了与**供应商成熟度模型**配套的线上工具。供应商和成员企业可使用该类工具，依循PSCI原则提升负责任供应链实践。

Our Supplier Capability Building workstream seeks for the PSCI to become a driving force for learning and development for suppliers to the industry. We provide free, expert-led conferences, webinars, and online tools linked to our Maturity Model to enable members and suppliers to develop their responsible supply chain practices in line with the PSCI Principles.

供应商能力建设由能力建设委员会领导，并得到来自专业话题委员会和中国、印度、拉美地区小组专家们的倾力支持。

This work is led by the Capability Committee with expert input from our Topic Teams and Regional Sub-Teams for China, India, and Latin America.

A Maturity Model for Responsible Supply Chain Practices

To provide a structured learning path for suppliers to understand the maturity of their practices, the PSCI provides a Maturity Model for supplier learning and development. Using the topic areas of the PSCI Principles as a framework, suppliers can use the model to understand where they meet the expectations for responsible practice set by PSCI member companies, as well as access resources to evolve their practices over time. Our expert Topic Teams lead the creation of this content and in 2023 they will continue to develop resources at the 'leading' end of the model. In early 2023, a Maturity Model app was also launched to enable suppliers to have the model and resources at their fingertips and embed it into their day-to-day practices.



供应商学习计划 Supplier Learning Plans

PSCI原则 PSCI Principles

The PSCI Principles

1 What is Expected
These sub-principles are upheld by members, who integrate them to supplier programs

2 Maturity Model
How to advance supplier practices against the sub-principles

Ethics <ul style="list-style-type: none"> Anti-bribery and corruption Fair competition Animal welfare Data privacy and security Patient safety and access to information Avoidance and management of conflicts of interest 	Ethics <p>Maturity Model</p>
Human Rights & Labor <ul style="list-style-type: none"> Freely chosen employment No child labor Legal treatment of young workers Non-discrimination Fair treatment Wages, benefits and working hours Freedom of association 	Human Rights & Labor <p>Maturity Model</p>
Health & Safety <ul style="list-style-type: none"> Environmental authorizations and reporting Management of waste and emissions Spills and releases prevention Resource efficiency Sustainable sourcing and traceability Managing the release of pharmaceuticals into the environment 	Process Safety Management <p>Maturity Model</p>
	Safety <p>Maturity Model</p>
	Industrial Hygiene <p>Maturity Model</p>
Environment <ul style="list-style-type: none"> Worker protection Process safety Proper control of hazardous substances Emergency preparedness and response Communication of hazard information Biosecurity 	Environment <p>Maturity Model</p>
	PIE/AMR <p>Maturity Model</p>
Management Systems <ul style="list-style-type: none"> Commitment and accountability Legal and customer requirements Risk management Documentation Training and competency Continual improvement Identification of concerns Effective communication 	Management Systems <p>Maturity Model</p>

供应商成熟度模型及学习计划 Maturity Model & Learning Plans

Human Rights & Labor

Fair Treatment

Starting Out

Policies and processes are in place to ensure that the rights and dignity of every worker are respected at all times

Where accommodation is provided, workers are free to move about including unhindered access to hygienic and sanitary facilities

Wages, compensation and other earned benefits are not withheld or garnished as a means of disciplinary action

Implementing

Non-harassment training is mandatory for all employees

The disciplinary procedure and consequences are clearly defined, structured and transparent. There are clear criteria on what constitutes unfair dismissal and all dismissal decisions are documented

An effective appeals system exists for disciplinary decisions

Developing

Training on non-harassment is provided to those with management responsibilities and there are clear channels for workers to raise issues if they arise

A brief description of disciplinary procedures and consequences is set out in workers' contracts

Wages, compensation and other earned benefits are not withheld or garnished as a means of disciplinary action

Leading

Non-harassment training is updated regularly and is mandatory for all employees on a periodic basis

The disciplinary procedure and consequences are communicated to workers through multiple channels i.e. induction, intranet and/or email, on-site information leaflets/posters

Workers are able to appeal disciplinary decisions (including unfair dismissal) to an independent person

培训平台 New Training Platform Learnster^{LE}

- PSCI供应商可以免费使用PSCI新开发的培训平台 **Learnster**
- Suppliers to PSCI members now have free access to **Learnster**

通过PSCI网站注册Learnster账号，您可以：

Easily create an account via the PSCI website to:

- 获取完整的PSCI课程目录

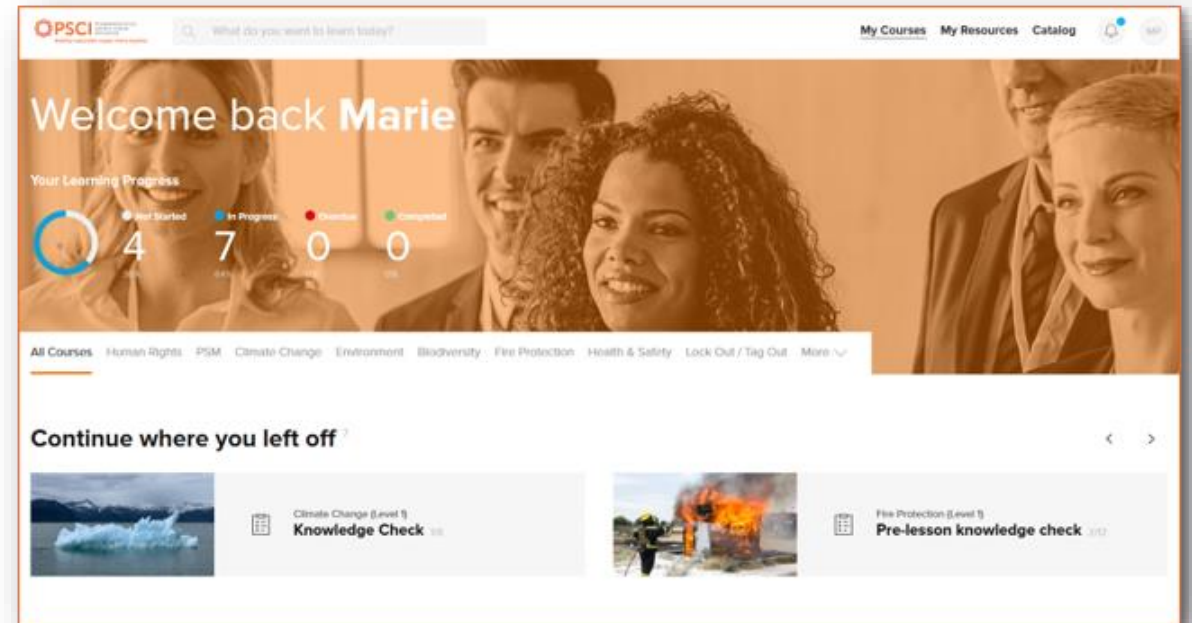
Have access to the full PSCI catalog of courses

- 获取拓展学习资料

Browse additional resources

- 实时了解自己的学习进度

Track your progress in real time



培训平台 New Training Platform

Learnster[®]

如何登录 Learnster[®] 平台

To access it:

- 扫描左侧二维码，登录您的PSCI账号 *Scan the QR code & log into your PSCI account*
- 点击右上角您的姓名 *Click on your name in the top-right corner of the screen*
- 点击 “创建Learnster账号” *Click on 'Create Learnster account'*
- 按步骤创建您的密码 *Follow the steps to create your password*

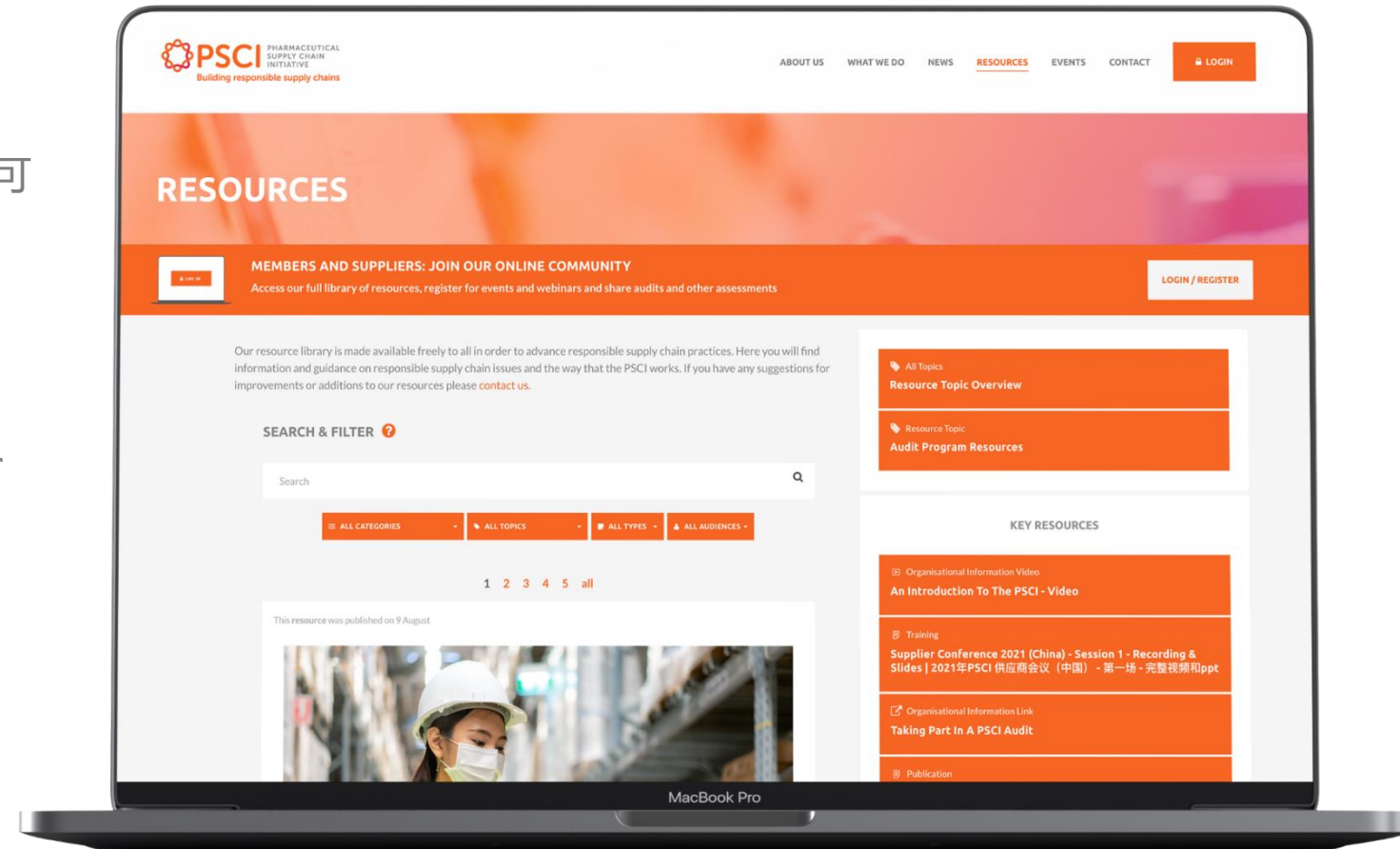
您可以登录Learnster平台了! *You' re in!*



PSCI线上资源 Online Resources

PSCI平台现有**1200**份文件、视频、培训等资源可供供应商使用，总计下载量超过每年**十万**次。

The PSCI has an online library of 1,200 documents, videos, training and tools free for supplier use. These are already downloaded ~100,000 times per year.



供应商大会 Supplier Conference

专为医药行业供应商开设的供应商大会是我们最受欢迎的能力建设活动。去年，我们在中国、印度举行的供应商大会共吸引了2100名观众。会议覆盖重要的可持续发展议题。

Our most popular learning and development offering is our conferences for pharma and healthcare suppliers. Our multi-day conferences in China and India provide 2,100+ attendees with an introduction to key sustainability topics.

供应商大会的成功召开也得益于PSCI中国小组成员们、地区合作伙伴及PSCI审计公司的大力支持。

These conferences are enhanced by the knowledge and insights of our local China and India Regional Sub-Teams, as well as our audit firms and local association partners on the ground.



PSCI线上研讨会 PSCI Webinars

由专业话题小组成员们领导的**月度线上研讨会**能够为听众提供相关专业话题的知识，同时**提供相关领域的前沿动态**，比如化学品法规。

Led by our Topic Team members, our monthly webinar program provides attendees with **foundational knowledge sessions** on topics like product stewardship, as well as the **latest updates** on areas such as chemical legislation.

线上研讨会由来自PSCI成员公司的专家、以及PSCI的重要合作伙伴（如ISS和Safebridge）主讲。

These webinars are delivered by specialists from PSCI member companies as well as key partners such as International Safety Systems (ISS) and Safebridge.



PSCI工具 PSCI Tools



PEC:PNEC计算器 PEC:PNEC Calculator

PEC:PNEC计算器帮助制药相关企业计算废水中的API，如何达到预测无效应浓度 (PNEC)。

The PEC:PNEC calculator tool provides **instructions and guidance** on how to assist pharmaceutical manufacturers in calculating **how to meet predicted no effect** concentration values (PNECs) for active pharmaceutical ingredients (APIs) discharged in wastewater from manufacturing operations.

环境问卷 Environmental Survey

自2016年起，PSCI成员开始使用PSCI环境问卷，向供应商收集标准化的环境数据。

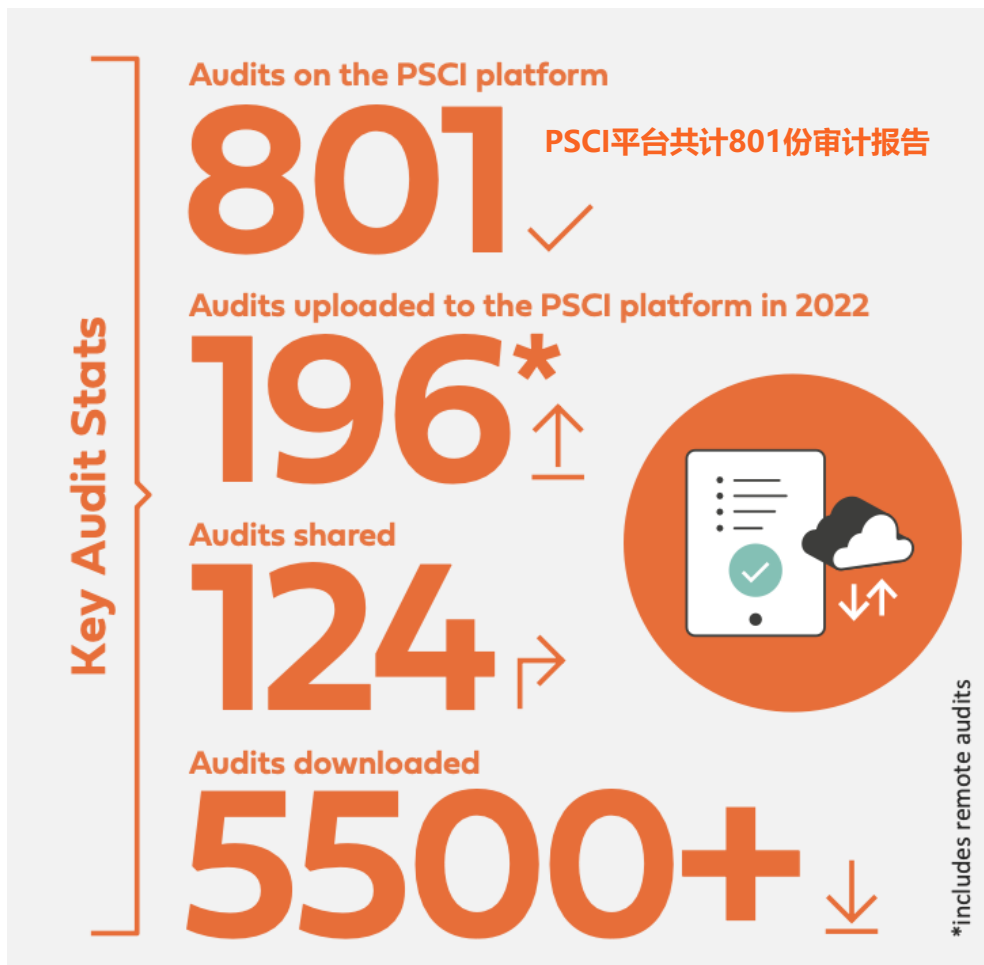
Since 2016, a group of PSCI Member have been working together to standardize environmental data request to suppliers through a common set of questions, known as the *PSCI Environmental Survey*.

该问卷旨在提高行业数据收集的水平，并将其运用到管理范围三排放的实践当中。

The survey hopes to allow the pharmaceutical industry as a whole to raise the bar in terms of data collection and its practical use for *addressing scope 3 emissions*.

PSCI审计项目 Audit Program

PSCI审计项目 Audit Program



审计分享是PSCI使命的核心。

PSCI审计模型和工具已经成为行业认可的框架。通过我们的审计分享平台，成员和供应商能够提高审计效率，我们也能够观察到供应商成熟度的提高。

Audit sharing is at the heart of the PSCI's mission and drives the core of our focus on audit quality and sharing. The PSCI auditing model and tools have become a recognized industry framework for a range of audits for suppliers in the pharma and healthcare sector. Via our shared audit platform, members and suppliers can gain efficiencies on audits and we can track supplier maturity and improvement over time.

PSCI审计委员会负责审计项目的执行，委员会下设供应商自评问卷及审计指导小组、审计报告共享小组及审计员培训小组开展工作。

The Audit Committee oversees this workstream and is made up of three Sub-Teams that drive our Audit Self-Assessments and Guidance, Audit Sharing, and Auditor Training projects.

线上供应商自评问卷 Online SAQ

2023 年7月发布

Launched in July 2023

通过自评问卷 (Self-Assessment Questionnaire), 供应商能够在**审计前**自行评估自己的表现。PSCI于今年发布了使用更加便捷的线上版本的自评问卷, 以便成员企业及供应商伙伴有效跟踪在可持续实践领域的持续进步。

The SAQ allows suppliers to assess their own performance in advance of an audit. Developing an online version is not only more accessible and user-friendly, but will also allow members and suppliers to better track progress over time.

相关资源 Resources published:

- [使用视频指导 \(成员\) Instructions and demo videos for members](#)
- [使用视频指导 \(供应商\) Instructions and demo videos for suppliers](#)
- [使用视频指导 \(审计员\) Instructions and demo videos for 3rd party auditors](#)
- [常见问题解答 FAQ](#)

The screenshot displays the 'Online SAQ' interface. At the top left, it says 'Online SAQ How it will look...'. The PSCI logo is in the top right. The interface is divided into three main sections:

- 1 Expandable framework topics:** A vertical list of topics with expandable icons (+/-): Ethics, Human Rights & Labor, Health & Safety, Environment, and Management Systems.
- 2 Questions displayed for SAQ section:** A list of topics with expandable icons (+): Commitment & Accountability, Legal & Customer Requirements, Risk Management, Documentation, Training & Competency, and Continual Improvement.
- 3 Supplier submits responses:** A question box with the text: '1 Has the facility demonstrated commitment to the concepts described in the PSCI Principles covering Management systems?'. Below the question is a large text input area and a 'Submit' button.

供应商自发审计 Supplier Self-Initiated Audits

供应商自发审计是供应商学习PSCI标准并提高实践水平的机会。与更多成员公司分享审计也能帮助您减轻审计负担 - 如减少未来成员公司对您的审计次数或缩小审计范围。

The SSIA is a great opportunity for you to learn best practices and align with the PSCI standards. Sharing the audit with the wider membership also *helps to reduce your audit burden, such as the number and scale of future audits by PSCI member companies.*

2023年PSCI会资助部分供应商的自发审计。

如果您有意申请PSCI资助的供应商审计，请联系 blake.zheng@carnstone.com

Any PSCI Member / supplier to PSCI Member may take advantage of a SSIA. Suppliers need to pay for self-initiated audits, except PSCI-sponsored SSIA's.

If you are interested in applying for **PSCI sponsored supplier self-initiated audits**, please contact blake.zheng@carnstone.com

申请PSCI资助的供应商审计 Apply for PSCI-sponsored SSIA

该供应商需要同意分享审计报告给**所有PSCI成员**

- ▶ The supplier agrees to sharing the audit report with all PSCI members.

该供应商需要是PSCI**核心**供应商 (type C供应商)

- ▶ The supplier is considered a **core** (Type C) supplier by PSCI standards.

该供应商在最近2-3年内没有分享过审计报告

- ▶ The supplier has not shared an audit in the past 2~3 years.

审计需要由PSCI核准的审计公司审计，遵循PSCI审计的标准和流程

- ▶ The audit should be completed by a PSCI approved audit firm and follow the PSCI audit protocols.

PSCI审计资源 Audit Program Resources



Audit Guidance

provides an overview of the PSCI audit program for members and auditors using the Templates



Self-Assessment Questionnaires

allow suppliers to assess their own performance in advance of an audit



Audit Templates

help ensure that key sustainability topics are covered in an audit

审计指南

Audit Guidance

供应商自评估问卷

Self-Assessment Questionnaire

审计模板 PSCI

Audit Template

2022 – 23 审计员培训 (录像及课件)

2022 -23 Auditor Training Resources

- [PSCI审计动态更新 PSCI Audit Updates 2022](#) *by Dr. Birgit Skuballa, Bayer*
- [职业卫生 Occupational Health & industrial Hygiene](#) *by Wenjia Xu, MSD*
- [环境保护 Environmental Protection](#) *by Andrea Fasano, Pfizer*
- [劳工 Human Rights](#) *by Dorota Wiacek-Trojanowska, Roche; Murugan Subramanian, Novartis*

在华合作伙伴

Regional Partnerships in China

在华合作伙伴 Regional Partnerships in China



中国医药企业管理协会 (CPEA)

- PSCI 成员在**中国医药企业管理协会 (CPEA)** 5月26日召开的EHS专委会工作会议介绍PSCI组织及其EHS实践;
- PSCI 将于秋季CPEA年会发言, 介绍PSCI可持续实践



中国外商投资企业协会药品研制和开发行业委员会 (RDPAC)

- 签订MoU合作意向书
- 定期交流及参会



CPHI中国区域活动 CPHI China Activities

- PSCI 成员于4月PEPC论坛, 就**废水处理**相关议题进行演讲
- PSCI 将于9月在CPHI法兰克福参展
- PSCI 成员将在**中国医药质量管理协会**9月21日-22日的上海分会上介绍PSCI供应链实践

全球合作伙伴 Global Partners



关注PSCI动态 Follow PSCI News

关注PSCI微信公众号

follow PSCI WeChat account



登录PSCI平台获取最新资讯

Log in the Link for PSCI news



关注PSCI领英

Follow PSCI LinkedIn

A screenshot of the PSCI LinkedIn profile page. At the top left is the PSCI logo. To its right is the text 'PSCI - Pharmaceutical Supply Chain Initiative' followed by '+ Follow' and three dots. Below this, it says '2,016 followers' and '1w' with a lock icon. The main content area shows a post from 'Last week we hosted a webinar by International Safety Systems, Inc on 'Particulate Containment Verification with Surrogate Monitoring'' with a laptop icon. Below the post, it says '100+ members attended as ISS shared case studies based on 15k+ samples collected for 100+ containment devices in over 40 countries globally!'. At the bottom of the post, it says 'For the webinar: bit.ly/3QCV4is' with a globe icon. Below the entire post area, there are several blue hashtags: '#Webinar #Pharma #Pharmaceutical #SupplyChain #IndustrialHygiene #Containment #PotentCompounds'.



PSCI

PHARMACEUTICAL
SUPPLY CHAIN
INITIATIVE

Building responsible supply chains