

國立臺北大學自然資源與環境管理研究所

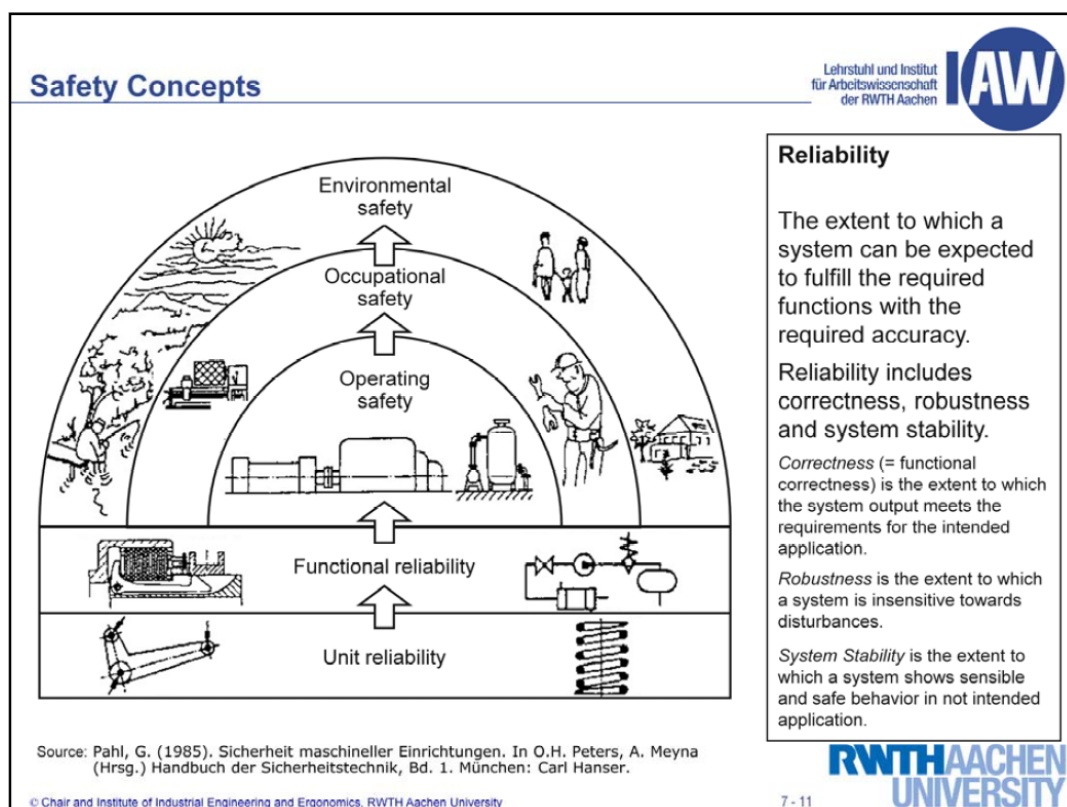
106 學年度第二學期『環境災害與風險管理』

課程講義 (13)：職安衛管理系統與風險管理國際標準

Occupational Health and Safety Management System; Risk Management System

● INTRODUCTION

- Occupational Health and Safety => Occupational Risks
- Occupational Safety => Safety Engineering and Ergonomics
- Ethical Responsibility, Legal Obligation, and Economical Effects of Occupational Safety for the Company => Social Responsibility
- [勞動部勞動及職業安全衛生研究所](#)
- Safety Concepts: Industrial Engineering and Ergonomics (Unit 6 -- Occupational risk prevention) https://iaw-aachen.de/files/iaw/vorlesungen/Winter/2017/IEE/IEE_LE06_WiSe17_Slides.pdf



● OHSAS 18000s, TOSHMS, AND ISO 45001

- OHSAS 18000 (Occupational Health and Safety Assessment Series 18000) 由英國標準協會協同 SGS 等全球主要標準制定機構、驗證機構與專業組織整合諸多安衛管理系統標準（如 BS 8800、ISA 2000、AS/NZ4801 等）共同發展而成。
 - ⇒ OHSAS 18001:2007 Occupational Health and Safety Management System -- Specification（職業安全衛生管理系統—規格）驗證用之標準
 - ⇒ OHSAS 18002:2008 Guidelines for the implementation of OHSAS 18001（OHSAS 18001 之實施指導綱要）提供組織建置及實施 OHSAS 18001 之指導綱要

□ TOSHMS 臺灣職業安全衛生管理系統

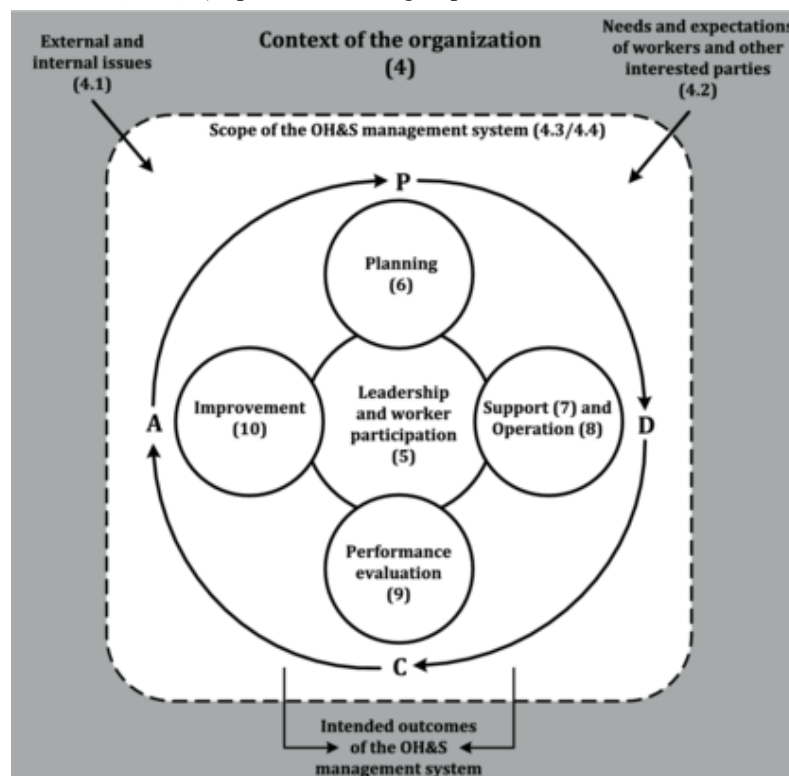
(Taiwan Occupational Safety and Health Management System, <http://www.toshms.org.tw/>) :

⇒ 勞動部（前身：行政院勞工委員會）...於 2007 年修正相關法規，規定高風險且大型的事業單位（一類勞工人數 300 人以上者）需優先推動職業安全衛生管理系統，並以創新的「聯集」概念整併 ILO-OSH:2001 與 OHSAS 18001:2007 之要項及要求，...訂頒...「臺灣職業安全衛生管理系統(Taiwan Occupational Safety and Health Management System，簡稱為 TOSHMS)」相關規範...

⇒ 配合 ISO 45001 發展 TOSHMS 之推動方向(https://www.toshms.org.tw/news_detail.aspx?id=116)
ISO 45001:2018 => New CNS; CNS 15506:2011 => New or revised CNS

□ ISO 45001:2018 Occupational health and safety management systems -- Requirements with guidance for use

⇒ High Level Structure (HLS) (<https://www.iso.org/obp/ui/#iso:std:iso:45001:ed-1:v1:en>)



● ISO 31000: RISK MANAGEMENT

□ A Risk Management Standard – IRM/Alarm/AIRMIC 2002

<https://www.theirm.org/the-risk-profession/risk-management/irms-risk-management-standard.aspx>

□ ISO 31000:2018

⇒ ISO 31000:2018 Risk Management – Principles and guidelines

⇒ ISO Guide 73:2009 Risk management – Vocabulary

⇒ ISO/IEC 31010:2009 Risk management – Risk assessment techniques

□ Terms and definitions

- Risk: Effect of uncertainty on objectives
- Risk Management: Coordinated activities to direct and control an organization with regard to risk
- Stakeholder: Person or organization that can affect, be affected by, or perceive themselves to be affected by a decision or activity

□ Principle, Framework, Process => HLS

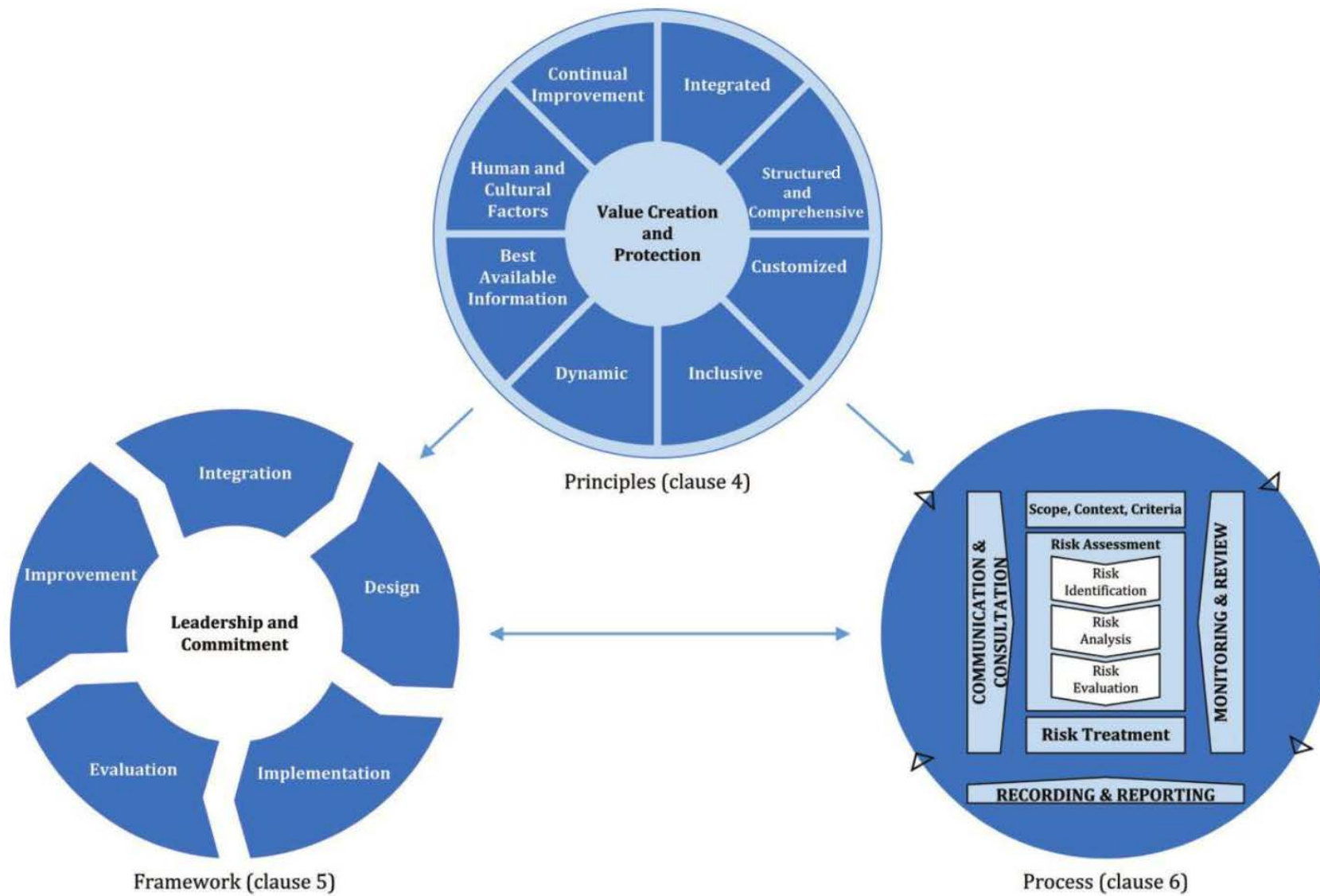


Figure 1 -- Principles, framework and process (<https://www.iso.org/obp/ui#iso:std:iso:31000:ed-2:v1:en>)