



Welcome to IFC Sustainability Webinar Series

World Bank Group

Environmental, Health & Safety Guidelines101

Presented by

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Policy, Quality Assurance & Knowledge Management
IFC Environment, Social and Governance Dept.

March 25, 9:30am – 10:30am EST (US)

Presenter: Gaël Grégoire



Gaël Grégoire is a Senior Policy Officer for Sustainability in the International Finance Corporation's Environment, Social and Governance Department in Washington D.C. He is responsible for coordinating the review and update of the World Bank Group Environmental, Health and Safety Guidelines and providing support to senior management on global sustainability issues and development.

Before joining IFC, Gaël, an "Ecole des Mines" graduate, was a Senior Environmental Specialist in the World Bank's Middle East and North Africa Region where he managed a portfolio of lending and analytical activities with a focus on energy, environment and global commons, and provided safeguards expertise. Gaël's career in the World Bank Group includes Regional Carbon Finance Coordinator and Project Officer for the Mediterranean Environmental Technical Assistance Program. Prior to joining the World Bank Group, Gaël worked as Environment and Energy Attaché at the Embassy of France in Washington DC, as a Senior Environmental Health and Safety Specialist at the French Environmental Protection Agency and as an Environmental Engineer for one of the world's largest producer of electricity and for several multinational oil and gas companies.

Webinar Objectives

Attendees will understand:

- What are the EHS Guidelines?
- How to use the EHS Guidelines?
- Technical Revision of the EHS Guidelines
- Available resources



Today's program



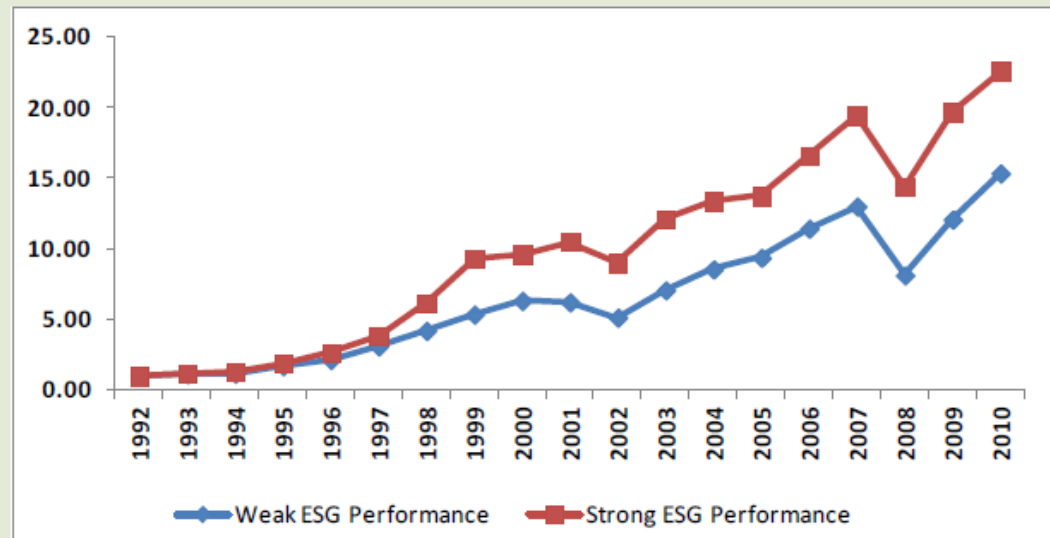
- What are the EHS Guidelines?
- How to use the EHS Guidelines?
- Technical revision of the EHS Guidelines

1 - What are the Environmental, Health and Safety Guidelines?

Sustainability Adds Value

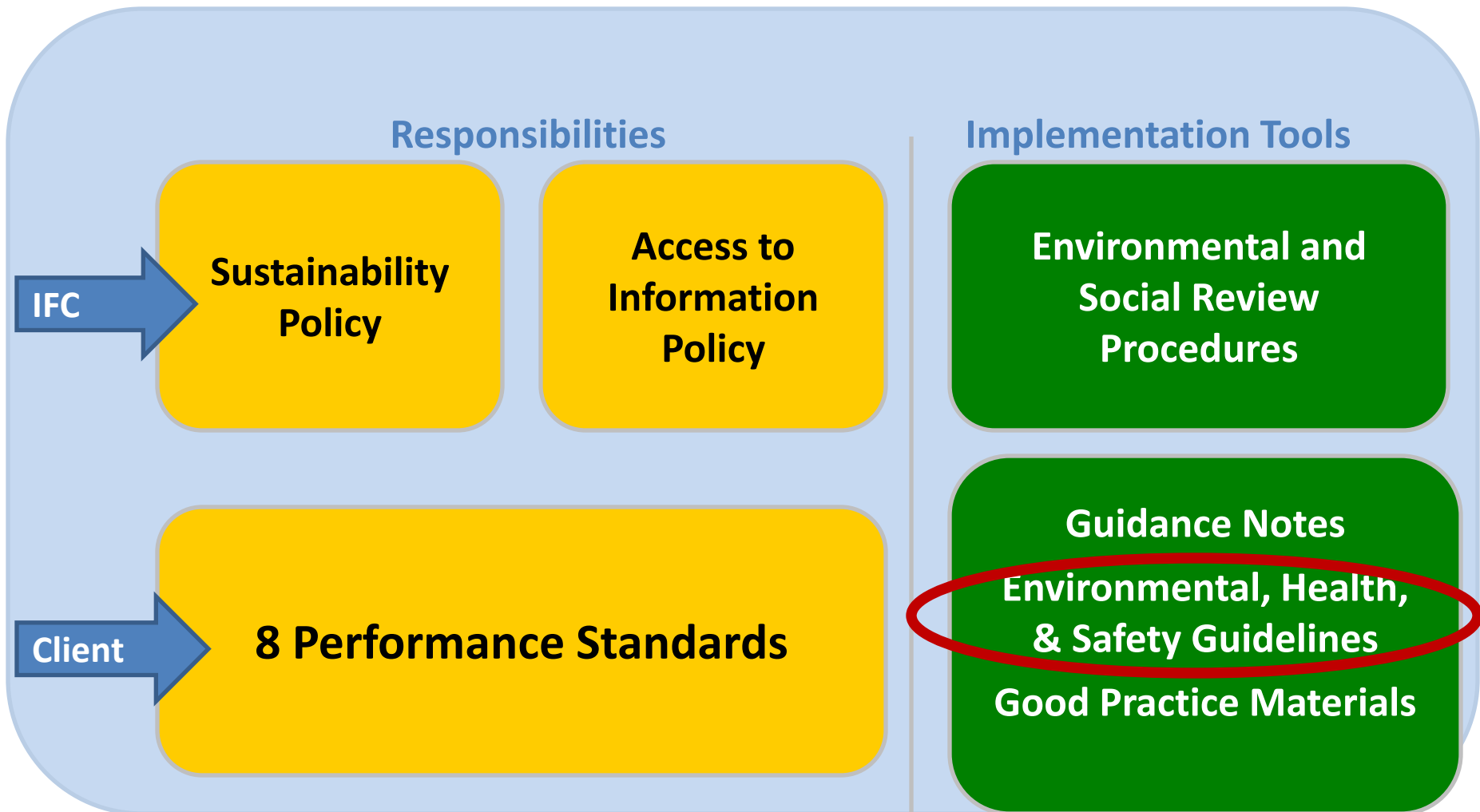
- Lowering costs by improving operational efficiency
- Increasing revenue and growth opportunities through environmentally and socially sound products and services
- Improving access to capital through better corporate governance

FINANCIAL PERFORMANCE OF COMPANIES WITH WEAK VS. STRONG ESG PERFORMANCE



Source: Eccles G.R., Ioannou I. Serafeim G. "The Impact of a Corporate Culture of Sustainability on Corporate Behavior and Performance," Harvard Business School, November, 2011.

IFC Sustainability Framework



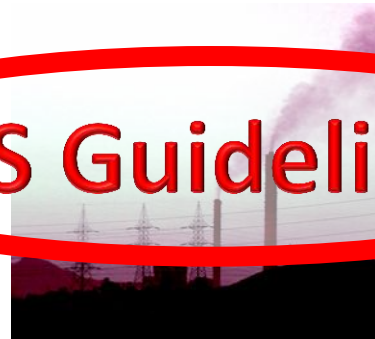
Scope of the EHS Guidelines



PS1: Assessment and Management of E&S Risks and Impacts



PS2: Labor and Working Conditions



PS3: Resource Efficiency and Pollution Prevention



PS4: Community Health, Safety and Security



PS5: Land Acquisition and Involuntary Resettlement



PS6: Biodiversity Conservation and Sustainable Management of Living Natural Resources



PS7: Indigenous Peoples



PS8: Cultural Heritage

EHS Guidelines

What are the EHS Guidelines?

- Technical reference documents
- Available in 6 languages
- 63 EHS Guidelines
- Contains performance levels and measures considered generally acceptable by the WBG

عربي (Arabic)

简体中文 (Chinese)

Français (French)

русский (Russian)

Español (Spanish)



Who uses the EHS Guidelines?

- World Bank Group (IFC, WB, MIGA) and its clients (private sector and governments)
- 79 Equator Principles Financial Institutions
- 34 OECD Export Credit Agencies
- 15 European Development Financial Institutions
- Financial regulatory agencies, national banks
- Technology developers, consultancies, etc.



Added value of the EHS Guidelines

- Greater coordination and policy harmonization
- Certainty, clarity and guidance
- Demonstration effect
- Stronger development impact



For more information

IFC Sustainability website:

- www.ifc.org/sustainability


IFC's Sustainability Framework:

- www.ifc.org/sustainabilityframework




Q & A

2- How to use the Environmental, Health and Safety Guidelines?



Environmental, Health, and Safety (EHS) Guidelines
GENERAL EHS GUIDELINES: INTRODUCTION



Environmental, Health, and Safety General Guidelines

Introduction

The Environmental, Health, and Safety (EHS) Guidelines are technical reference documents with general and industry-specific examples of Good International Industry Practice (GIIP). When one or more members of the World Bank Group are involved in a project, these EHS Guidelines are applied as required by their respective policies and standards. These General EHS Guidelines are designed to be used together with the relevant Industry Sector EHS Guidelines which provide guidance to users on EHS issues in specific industry sectors. For complete projects, use of multiple industry sector guidelines may be necessary. A complete list of industry sector guidelines can be found at: www.ifc.org/relatedservices.nsf/Content/EnvironmentalGuidelines

The EHS Guidelines contain the performance levels and measures that are generally considered to be achievable in new facilities by existing technology at reasonable costs. Application of the EHS Guidelines to existing facilities may involve the establishment of site-specific targets, with an appropriate timetable for achieving them. The applicability of the EHS Guidelines should be tailored to the hazards and risks associated for each project on the basis of the results of an environmental assessment in which site-specific variables, such as host country context, socioeconomic capacity of the environment, and other project factors, are taken into account. The applicability of specific technical recommendations should be based on the professional opinion of qualified and experienced persons. When host country regulations differ from the levels and measures presented in the EHS Guidelines, projects are expected to achieve whichever is more stringent. If less stringent levels or measures than those provided in these EHS Guidelines are appropriate, in view of specific project circumstances, a full and detailed justification for any proposed alternatives is needed as part of the site-specific environmental assessment. This justification should demonstrate that the choice for any alternate performance levels is protective of human health and the environment.

The General EHS Guidelines are organized as follows:

based on the professional opinion of qualified and experienced persons. When host country regulations differ from the levels and measures presented in the EHS Guidelines, projects are expected to achieve whichever is more stringent. If less stringent levels or measures than those provided in these EHS Guidelines are appropriate, in view of specific project circumstances, a full and detailed justification for any proposed alternatives is needed as part of the site-specific environmental assessment. This justification should demonstrate that the choice for any alternate performance levels is protective of human health and the environment.

The General EHS Guidelines are organized as follows:

1.0 Introduction and Objectives	1-10
1.1 Policy, Objectives, and Intent	1-10
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4.10 Environmental and Safety	4-10

¹ Information on the EHS Guidelines is available in English and Spanish. The Spanish version will be made available upon request. The English version is the authoritative version. The Spanish version is for informational purposes only and is not intended to be used for legal or regulatory purposes. The English version is the authoritative version. The Spanish version is for informational purposes only and is not intended to be used for legal or regulatory purposes.

For more information, contact the International Performance Standards and Assurance Department at ipstd@ifc.org or www.ifc.org/ipstd.

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How to use the WBG EHSGs?

- General EHS Guidelines
applicable to all project
- 62 industry specific EHS
Guidelines
For a particular project, one or
more industry specific EHS
Guidelines might be needed
- Good International Industry
Practices



Industry EHS Guidelines

Forestry

- [Board and Particle-based Products](#)
- [Sawmilling and Wood-based Products](#)
- [Forest Harvesting Operations](#)
- [Pulp and Paper Mills](#)

Agribusiness/Food Production

- [Mammalian Livestock Production](#)
- [Poultry Production](#)
- [Plantation Crop Production](#)
- [Annual Crop Production](#)
- [Aquaculture](#)
- [Sugar Manufacturing](#)
- [Vegetable Oil Processing](#)
- [Dairy Processing](#)
- [Fish Processing](#)
- [Meat Processing](#)
- [Poultry Processing](#)
- [Breweries](#)
- [Food and Beverage Processing](#)

Chemicals

- [Pharmaceuticals and Biotechnology Manufacturing](#)
- [Coal Processing](#)
- [Natural Gas Processing](#)
- [Oleochemicals Manufacturing](#)
- [Nitrogenous Fertilizer Manufacturing](#)
- [Phosphate Fertilizer Manufacturing](#)
- [Pesticides Formulation, Manufacturing and Packaging](#)
- [Petroleum-based Polymers Manufacturing](#)
- [Petroleum Refining](#)
- [Large Volume Petroleum-based Organic Chemicals Manufacturing](#)
- [Large Volume Inorganic Compounds Manufacturing and Coal Tar Distillation](#)

Oil and Gas

- [Offshore Oil and Gas Development](#)
- [Onshore Oil and Gas Development](#)
- [Liquefied Natural Gas \(LNG\) Facilities](#)

Infrastructure

- [Tourism and Hospitality Development](#)
- [Railways](#)
- [Ports, Harbors and Terminals](#)
- [Airports](#)
- [Airlines](#)
- [Shipping](#)
- [Gas Distribution Systems](#)
- [Toll Roads](#)
- [Telecommunications](#)
- [Crude Oil and Petroleum Product Terminals](#)
- [Retail Petroleum Networks](#)
- [Health Care Facilities](#)
- [Waste Management Facilities](#)
- [Water and Sanitation](#)

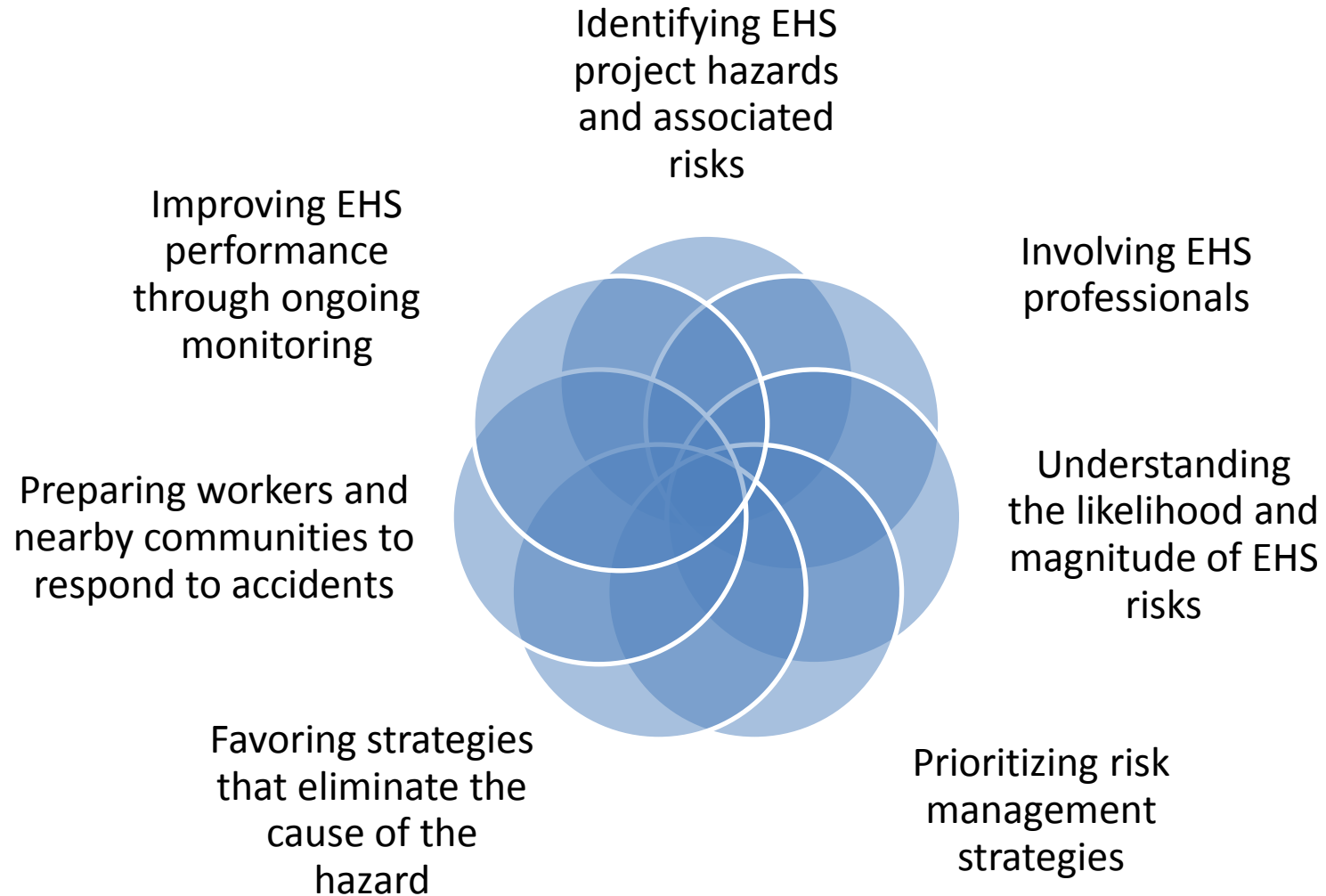
Mining

- [Mining](#)

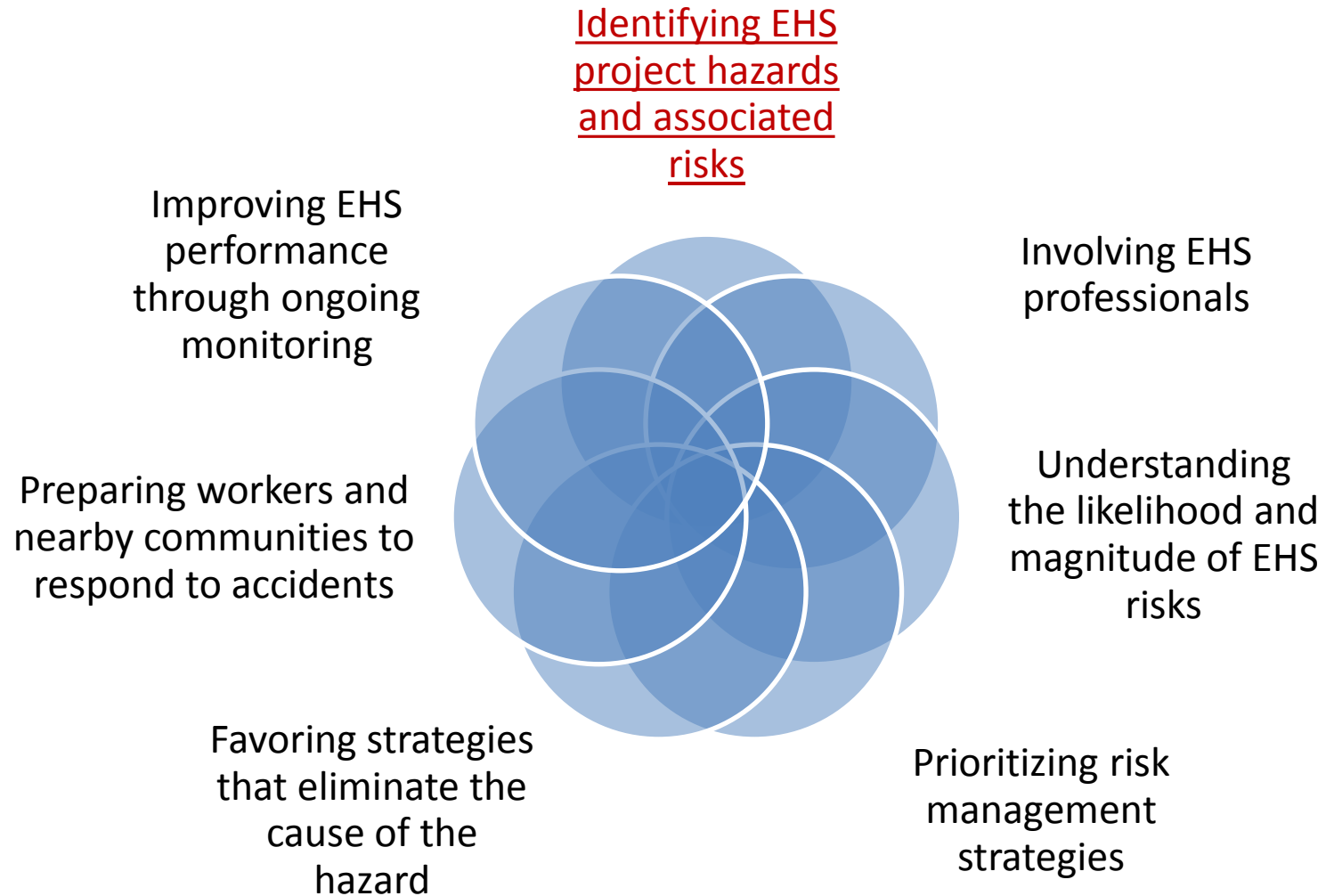
General Manufacturing

- [Cement and Lime Manufacturing](#)
 - [Ceramic Tile and Sanitary Ware Manufacturing](#)
 - [Glass Manufacturing](#)
 - [Construction Materials Extraction](#)
 - [Textiles Manufacturing](#)
 - [Tanning and Leather Finishing](#)
 - [Semiconductors and Electronics Manufacturing](#)
 - [Printing](#)
 - [Foundries](#)
 - [Integrated Steel Mills](#)
 - [Base Metal Smelting and Refining](#)
 - [Metal, Plastic, Rubber Products Manufacturing](#)
- ## Power
- [Wind Energy](#)
 - [Geothermal Power Generation](#)
 - [Electric Power Transmission and Distribution](#)
 - [Thermal Power](#)

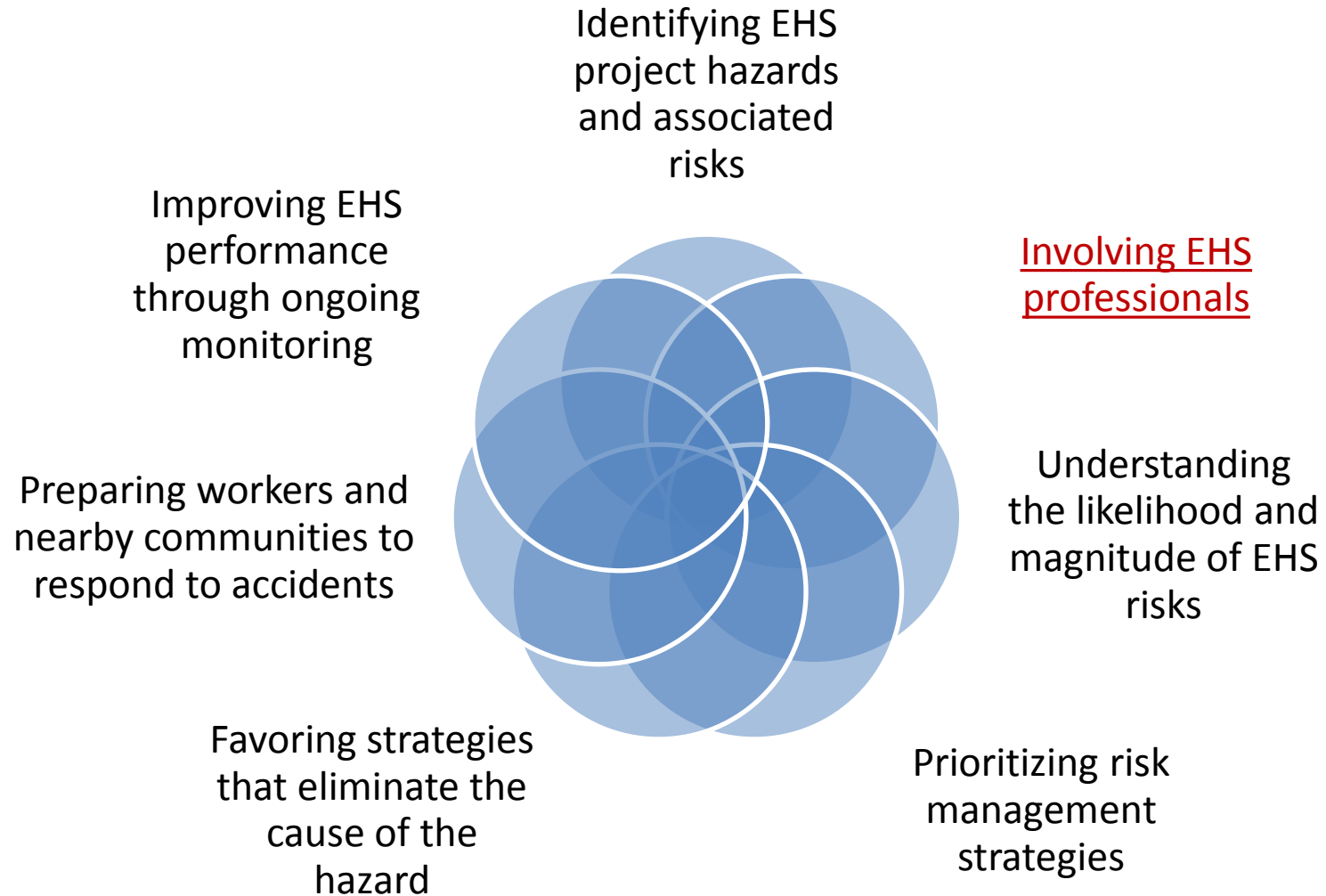
General Approach to the Management of EHS Issues at the Facility or Project Level



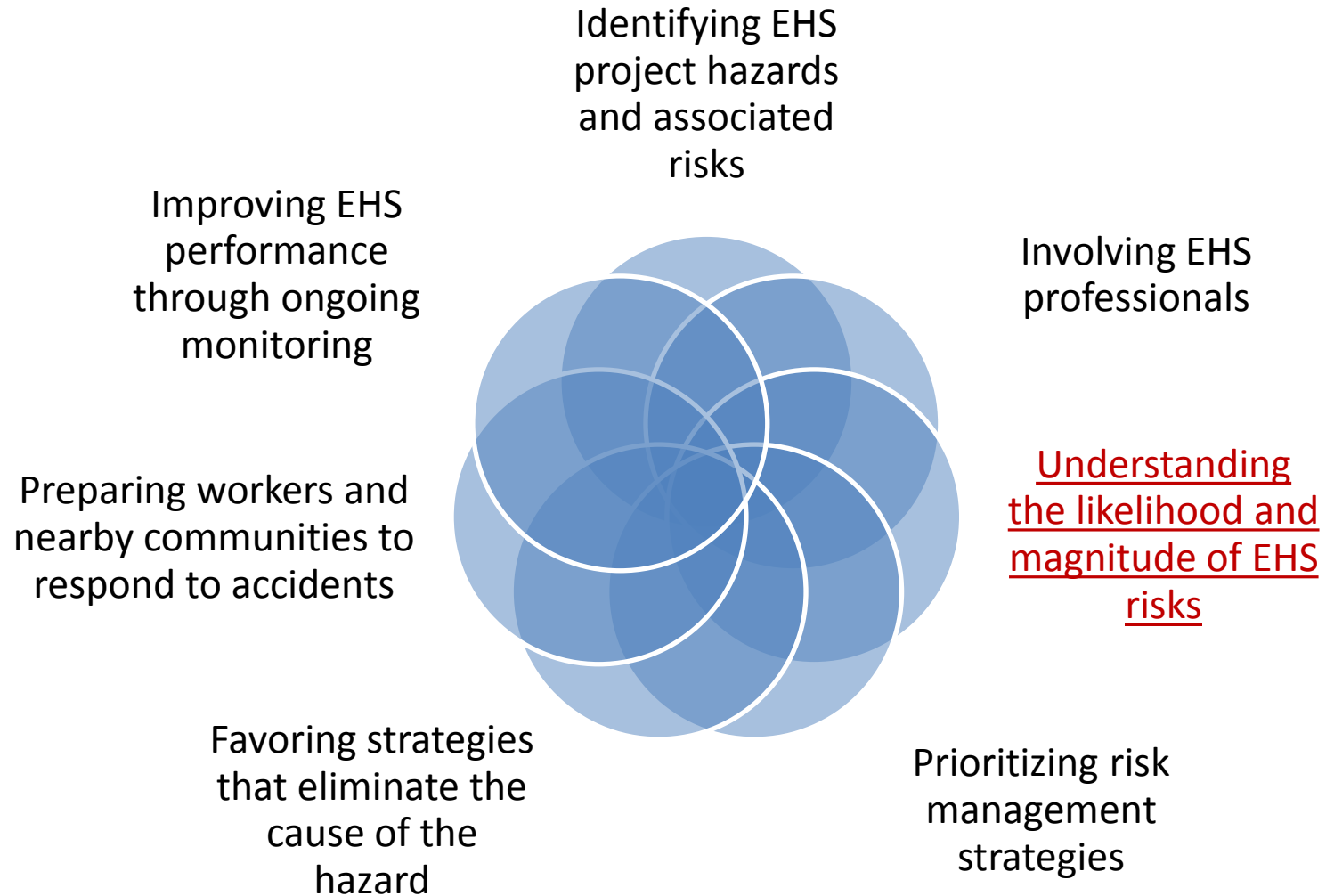
General Approach to the Management of EHS Issues at the Facility or Project Level



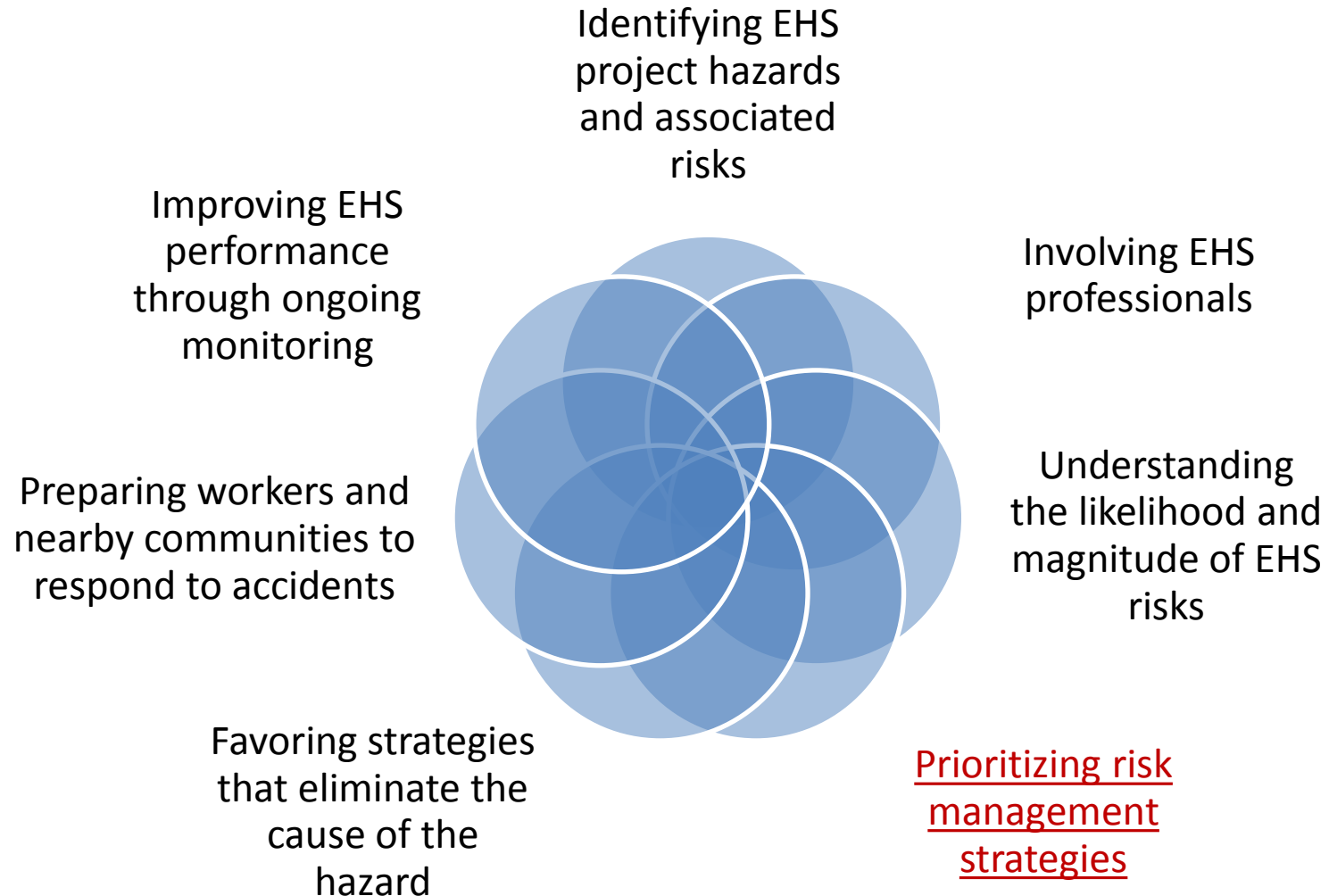
General Approach to the Management of EHS Issues at the Facility or Project Level



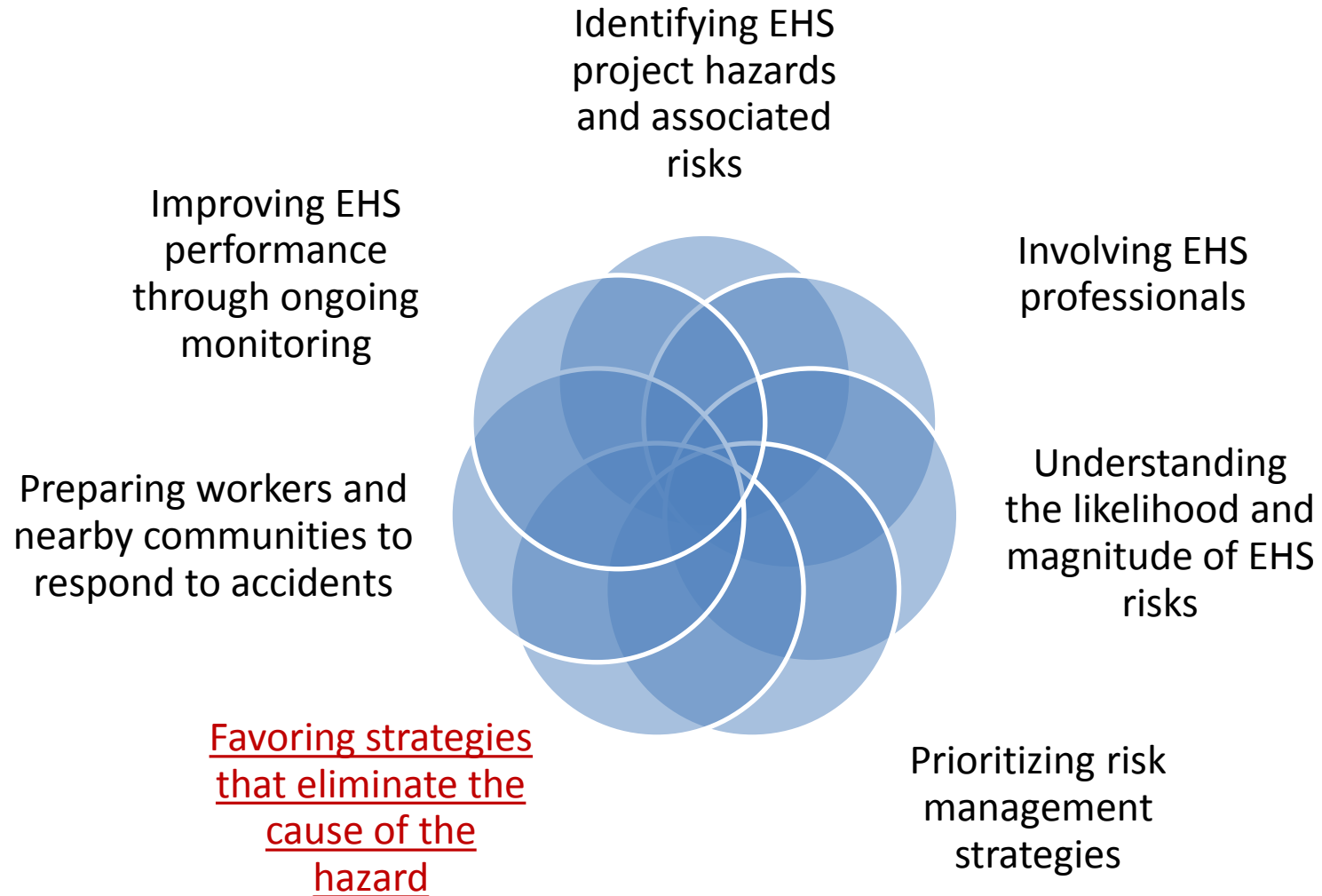
General Approach to the Management of EHS Issues at the Facility or Project Level



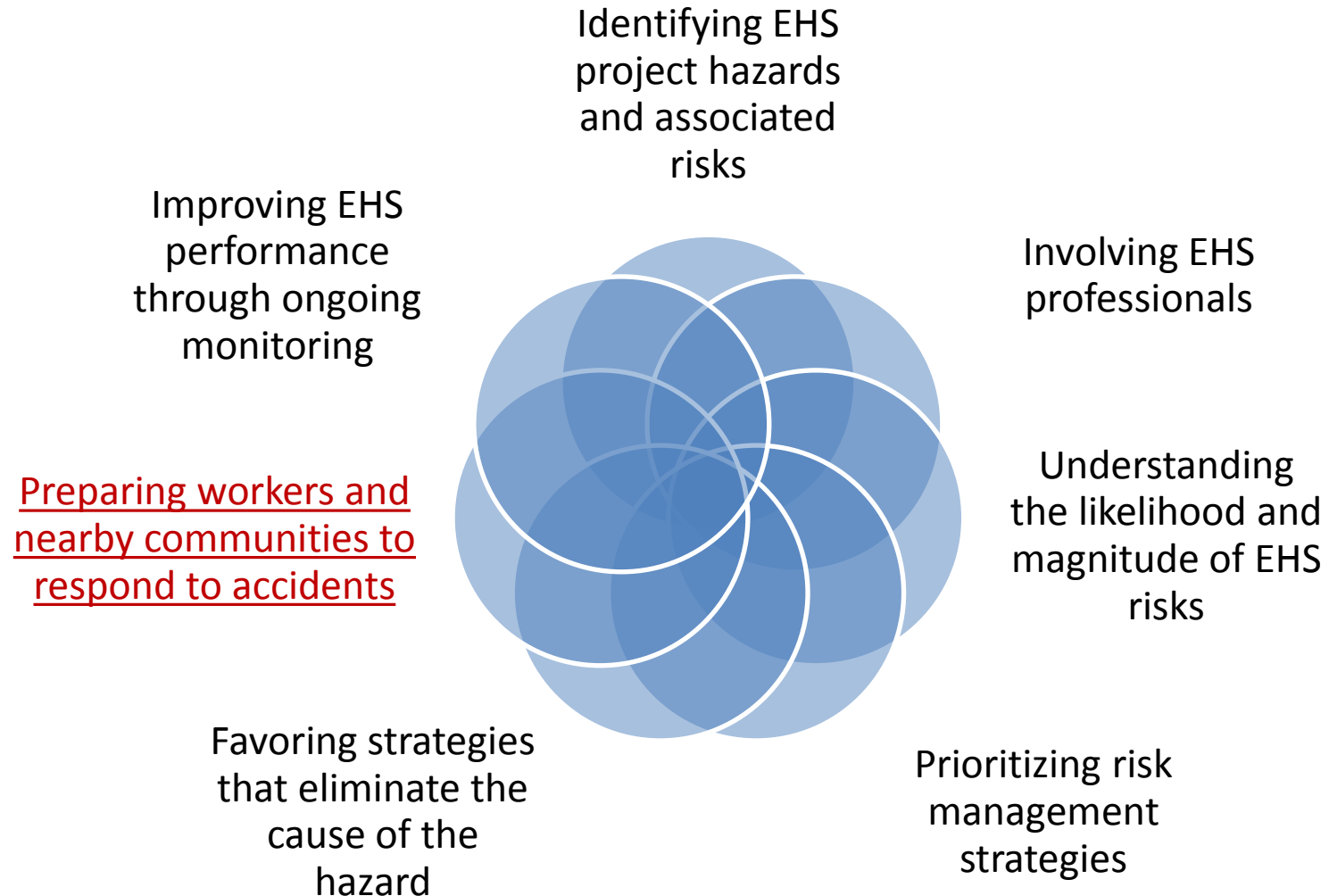
General Approach to the Management of EHS Issues at the Facility or Project Level



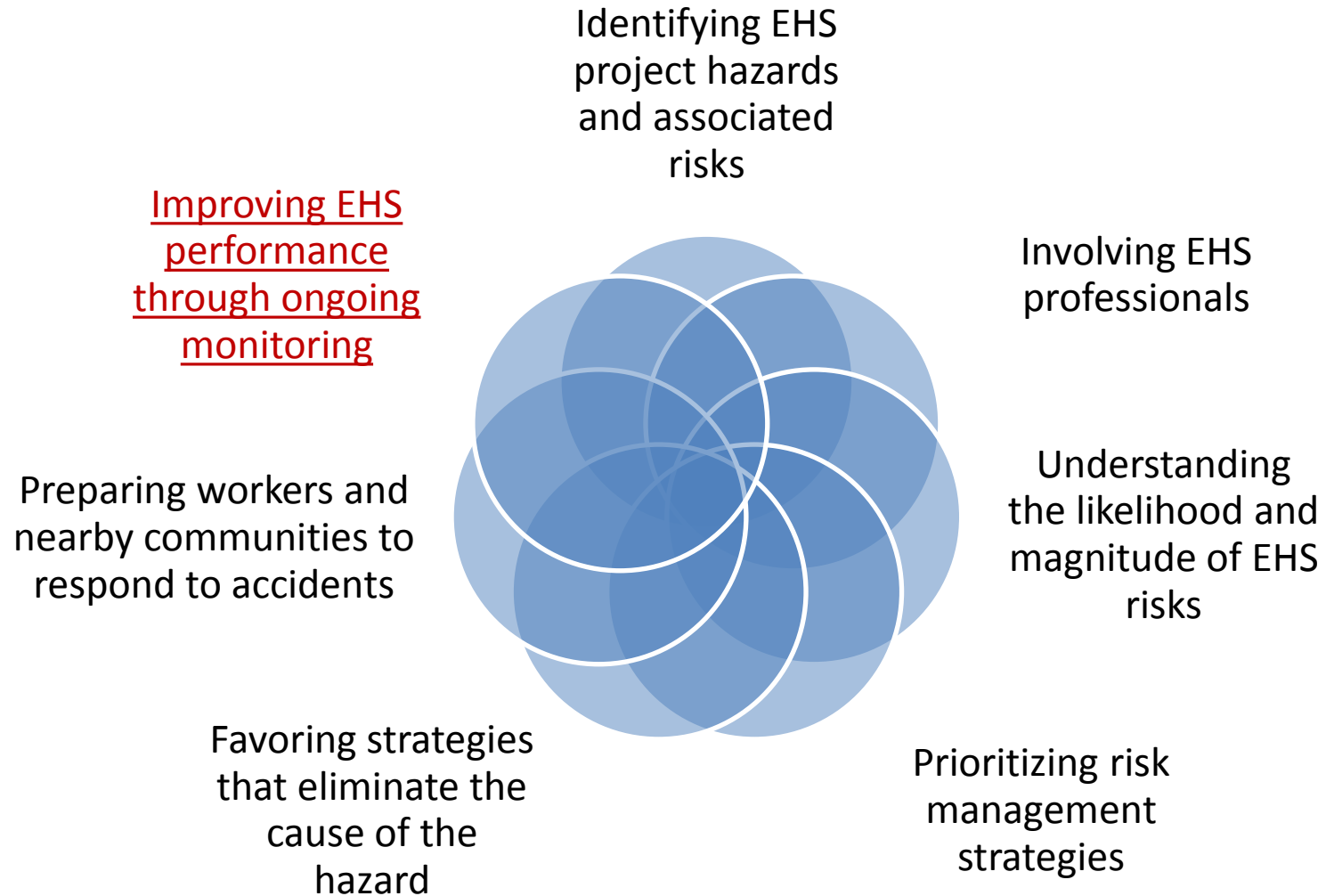
General Approach to the Management of EHS Issues at the Facility or Project Level



General Approach to the Management of EHS Issues at the Facility or Project Level



General Approach to the Management of EHS Issues at the Facility or Project Level



General Environmental, Health and Safety Guideline (EHSG)

1. Environmental

- 1.1 Air Emissions and Ambient Air Quality
- 1.2 Energy Conservation
- 1.3 Wastewater and Ambient Water Quality
- 1.4 Water Conservation
- 1.5 Hazardous Materials Management
- 1.6 Waste Management
- 1.7 Noise
- 1.8 Contaminated Land

3. Community Health and Safety

- 3.1 Water Quality and Availability
- 3.2 Structural Safety of Project Infrastructure
- 3.3 Life and Fire Safety (L&FS)
- 3.4 Traffic Safety
- 3.5 Transport of Hazardous Materials
- 3.6 Disease Prevention
- 3.7 Emergency Preparedness and Response

2. Occupational Health and Safety

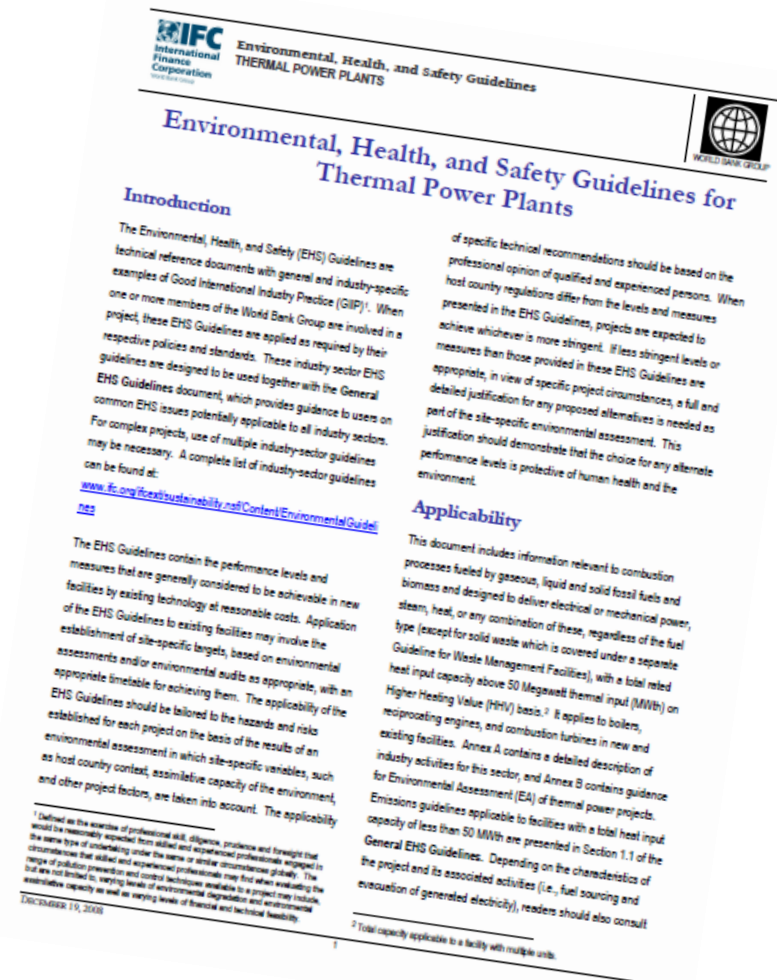
- 2.1 General Facility Design and Operation
- 2.2 Communication and Training
- 2.3 Physical Hazards
- 2.4 Chemical Hazards
- 2.5 Biological Hazards
- 2.6 Radiological Hazards
- 2.7 Personal Protective Equipment (PPE)
- 2.8 Special Hazard Environments
- 2.9 Monitoring

4. Construction and Decommissioning

- 4.1 Environment
- 4.2 Occupational Health and Safety
- 4.3 Community Health and Safety

Industry EHS Guideline Outline

- Section 1.0: Industry-Specific Impacts & Management
- Section 2.0: Performance Indicators & Monitoring
- Section 3.0: References
- Annex A - General Description of Industry Activities



How to use the WBG EHSGs?

- For existing facilities
 - Site specific targets may be needed
- What if host country regulations differ?
 - Whichever is more stringent
- Applicability tailored to the hazards and risks of the project
 - based on the results of an environmental impact assessment



Avoid or minimize adverse impacts on human health and the environment

Promote more sustainable use of resources

Q & A

3- Technical Revision of the Environmental, Health and Safety Guidelines

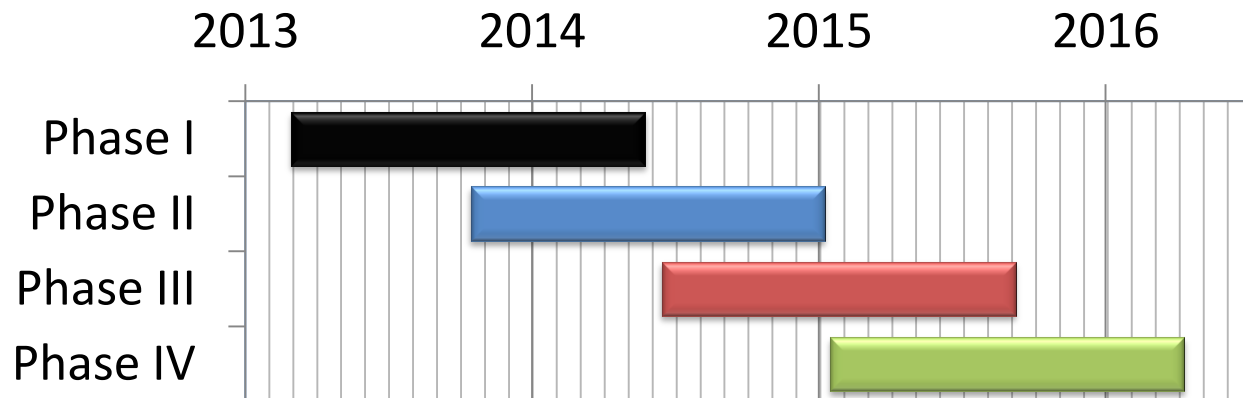
Technical revision of the EHS Guidelines: Rationale & Objectives

- Ensure consistency with updated 2012 IFC Sustainability Framework
- Reflect current Good International Industry Practice
- Improve consistency across EHS Guidelines where there are cross-cutting issues (i.e. energy efficiency, water use, GHG emissions)

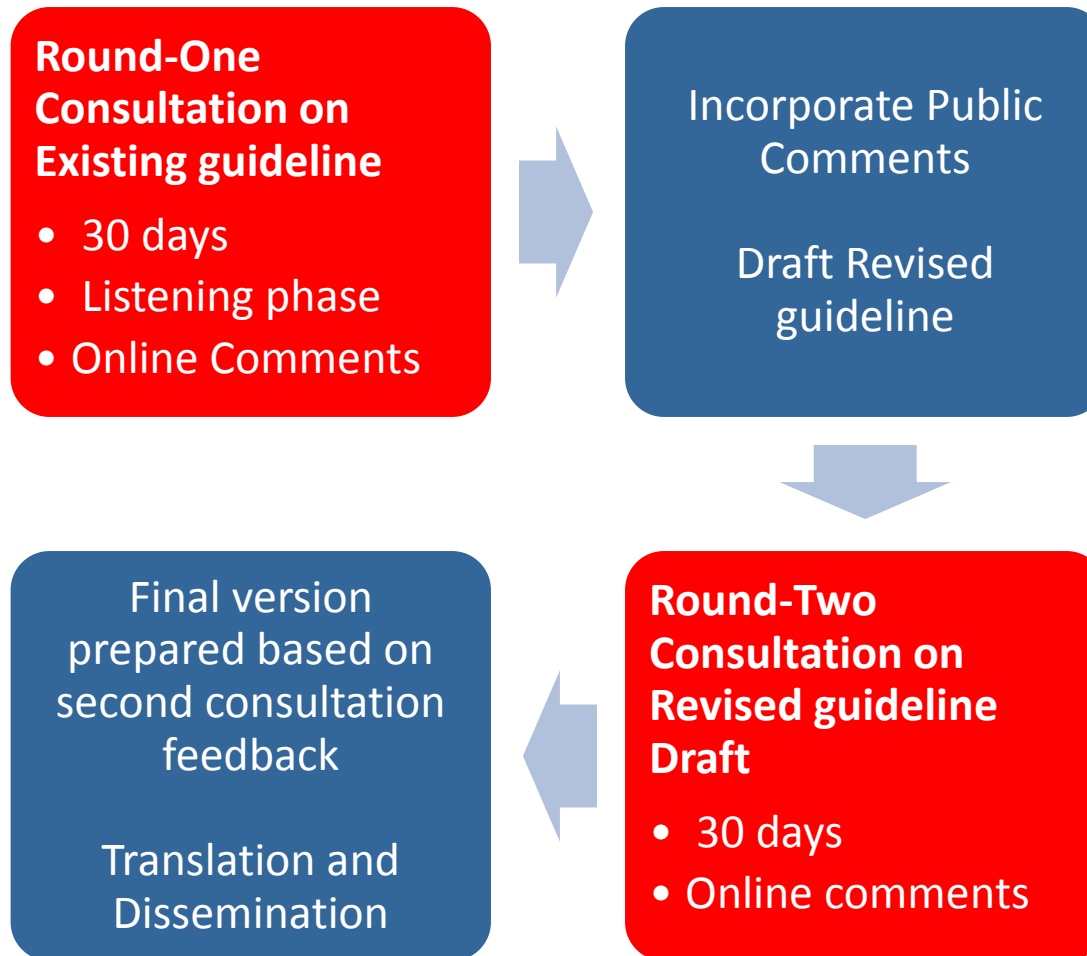


Proposed timeline

- Three-year update process
- “Batches” of guidelines updated in 4 phases



Update process for each phase



7 EHS Guidelines for Phase 1 (Feb 2013 – June 2014)

General EHS Guideline

Agribusiness

- Annual Crop Production
- Plantation Crop Production
- Vegetable Oil Processing

Chemicals

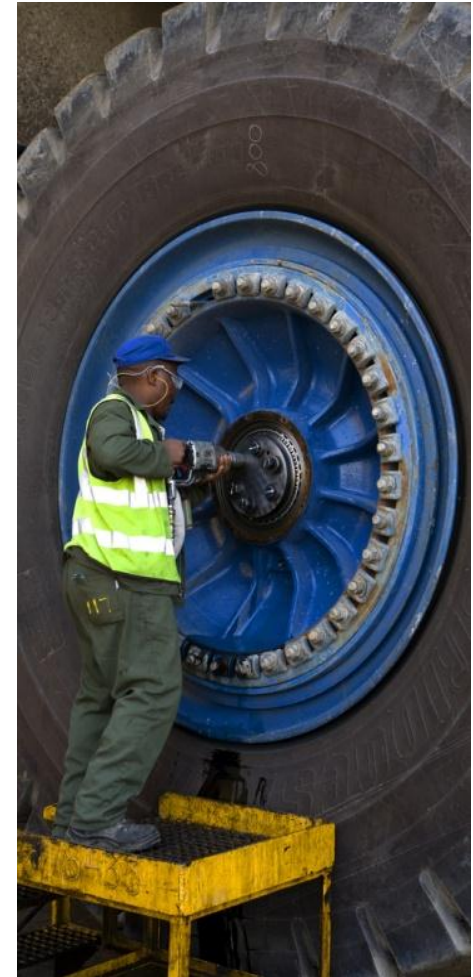
- Petroleum Refining

Oil and Gas

- Offshore Oil and Gas Development

Power

- Wind Energy



13 EHS Guidelines for Phase 2 (October 2013 – December 2014)

Agribusiness

- Food and Beverage
- Sugar Manufacturing

Forestry

- Pulp and Paper Mills
- Forest Harvesting operations

General Manufacturing

- Cement and Lime Manufacturing
- Glass Manufacturing
- Integrated Steel Mills

Infrastructure

- Crude Oil and Petroleum Product Terminals
- Ports, Harbors and Terminals

Oil and Gas

- Liquefied Natural Gas (LNG) Facilities
- Onshore Oil and Gas Development

Power

- Electric Power Transmission and Distribution
- Thermal Power

Key Dates

- January 2013: Launch of EHS Guidelines Technical revision website
www.ifc.org/ehsguidelinesrevision
- February & March 2013: First Phase I consultation (“Listening Consultation”)
- October & November 2013: First Phase II consultation
- March 2014: Beginning of the second Phase I consultations



Thank you!

For more information:

- Environmental, Health, and Safety Guidelines
www.ifc.org/ehsguidelines
- Environmental, Health, and Safety Guidelines
Technical Revision
www.ifc.org/ehsguidelinesrevision
- IFC Sustainability website
www.ifc.org/sustainability
- IFC's Sustainability Framework
www.ifc.org/sustainabilityframework
- IFC's Sustainability Webinars
www.ifc.org/sustainabilitywebinars
- Sustainability Publications Catalogue
www.ifc.org/sustainabilitypublications
- Sustainability Training and E-Learning Program (STEP)
www.ifc.org/step

Or email us: asksustainability@ifc.org