



Guide to Ipieca resources

Good practice guidance, awareness briefings and fact sheets



Advancing environmental
and social performance across
the energy transition

www.ipieca.org



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About the guide

Ipieca develops, shares and promotes good practice and knowledge to help the oil and gas industry advance its environmental and social performance and contribution to the energy transition in the context of sustainable development. This guide provides a list of Ipieca good practice guidance, awareness briefings and fact sheets.

All resources listed are hyperlinked and are available on the Ipieca website or Ipieca Members Area (members only documents are indicated with a red lock icon). Some publications are also available in Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian and Spanish.

www.ipieca.org/resources



Sustainability

- Environmental and social good practice for the energy transition: a compendium of Ipieca good practices
- Operating Management System Framework for controlling risk and delivering high performance in the oil and gas industry



REPORTING

- Addressing uncertainty in oil and natural gas industry greenhouse gas inventories: technical considerations and calculation methods
- Estimating petroleum industry value chain (Scope 3) greenhouse gas emissions: overview of methodologies
- Petroleum industry guidelines for reporting greenhouse gas emissions (2nd edition)
- Sustainability reporting guidance for the oil and gas industry (4th edition)
- Sustainability reporting guidance: mapping tool 
- Sustainability reporting survey: 2021 results (external summary report)
- Sustainability reporting survey: 2021 results 
- The role of scenario analysis in climate reporting

SUSTAINABLE DEVELOPMENT GOALS

- Accelerating action: an SDG Roadmap for the oil and gas sector (Executive summary available)
- Mapping the oil and gas industry to the Sustainable Development Goals: an Atlas (Executive summary available)

SUPPLY CHAIN




- Human rights and social issues tracker 
- Labour rights risk identification in the supply chain
- Promoting environmental and social performance through oil and gas industry supply chain: issues review 
- Supply chain library of questions and resources



All resources listed in this guide are hyperlinked for your convenience.

 Members only resource, available on the Ipieca Members Area

Climate

- Addressing adaptation in the oil and gas industry
- Climate change: a glossary of terms (5th edition)
- Estimating the costs of physical climate risk: an exploration of approaches 
- Exploring the concept of 'unburnable carbon'
- Guidelines for implementing ISO 50001 energy management systems in the oil and gas industry
- Internal carbon valuation methodologies 
- Scenario planning and use: Ipieca members baseline survey 

LOW-EMISSIONS PATHWAYS AND THE JOURNEY TO NET-ZERO

- Exploring low-emissions pathways for transport
- Exploring low-emissions pathways: advancing the Paris Puzzle
- Hydrogen: enabling the energy transition and the pathways to net-zero emissions
- Making the case for carbon capture and storage
- Net-zero emissions: glossary of terms
- Net-zero emissions roundtable: zigzag to zero? Positive pathways to Paris summary
- The Paris Puzzle: the pathway to a low-emissions future

EMISSIONS MANAGEMENT

- Addressing uncertainty in oil and natural gas industry greenhouse gas inventories: technical considerations and calculation methods
- Energy and greenhouse gas efficiency compendium
- Exploring methane emissions
- Flaring management guidance for the oil and gas industry (Executive summary available)
- Methane emissions glossary
- Methane science, regulations, voluntary initiatives and global expectations: Ipieca virtual workshop summary


- Oil and natural gas industry guidelines for greenhouse gas reduction projects: carbon capture and geological storage emission reduction project family
- Saving energy in the oil and gas industry
- The expanding role of natural gas: comparing life-cycle greenhouse gas emissions
- The role of carbon offsets in greenhouse gas mitigation and enhanced ambition

FUELS AND PRODUCTS






- Chain of custody options for sustainable biofuels
- GHG emissions and the cost of carbon abatement for light-duty road vehicles
- Joint Industry Guidance on the supply and use of 0.50%-sulphur marine fuels
- Lower-sulphur fuels, road transport strategies and air quality improvements (Executive summary available)
- Mercury management in petroleum refining
- Petroleum refinery waste management and minimization
- Petroleum refining water/wastewater use and management
- Refinery air emissions management










Nature

- Environmental management in the upstream oil and gas industry
- Guidelines for health, safety, security, environment and social responsibility governance in joint ventures
- Landscape level approach: an oil and gas perspective 

BIODIVERSITY AND ECOSYSTEM SERVICES

- A cross-sector guide for implementing the mitigation hierarchy
- A guide to developing biodiversity action plans for the oil and gas sector
- Alien invasive species and the oil and gas industry
- A-Z of biodiversity terms
- Biodiversity and ecosystem services fundamentals (Executive summary available)
- Biodiversity and ecosystem services horizon scanning report 2021
- Biodiversity and ecosystem services horizon scanning report 2020 
- Biodiversity and ecosystem services management ladder for oil and gas 
- Cross Sector Biodiversity Initiative timeline tool
- Ecosystem services guidance: biodiversity and ecosystem services guide and checklists
- Good practices for the collection of biodiversity baseline data
- Managing biodiversity and ecosystem services issues along the asset lifecycle in any environment: 10 tips for success in the oil and gas industry
- Managing biodiversity and ecosystem services in oil and gas: mainstreaming the mitigation hierarchy
- Managing oil and gas activities in coastal areas
- Overlay of oil and gas activities with areas of biodiversity importance 
- Protected areas reporting survey 2020 results 
- White paper on no net loss and net positive impact/net gain on biodiversity in the oil and gas industry 

WATER

- Briefing paper on water valuation 
- Efficiency in water use
- Identifying and assessing water sources
- Reuse of produced water from the onshore oil and gas industry
- Review of water risk tools 
- Water and natural capital valuation monitoring study: report 1 
- Water and natural capital valuation monitoring study: report 2 
- Water and natural capital valuation monitoring study: report 3 
- Water horizon scanning 2019 
- Water management framework
- Water management in shale oil and gas
- Water risk assessment in the oil and gas sector: an overview
- Water visioning: from now to 2030 



OIL SPILL PREPAREDNESS AND RESPONSE

Strategy

- Guidelines on implementing spill impact mitigation assessment (SIMA)
- IMO/Ipieca Global Initiative
- Incident Management Systems (IMS)
- Net Environmental Benefit Analysis (NEBA)
- Oil spill preparedness and response: an introduction
- The global distribution and assessment of major oil spill response resources
- Tiered preparedness and response

Planning

- Contingency planning for oil spills on water
- Dispersant storage, maintenance, transport and testing
- Guidelines on oil characterization to inform spill response decisions
- Key principles for the protection, care and rehabilitation of oiled wildlife
- Oil spill risk assessment and response planning for offshore installations
- Oil spill surveillance planning guidance
- Regulatory approval of dispersant products and authorization for their use
- Sensitivity mapping for oil spill response

People

- Mutual aid indemnification and liability, including a template emergency personnel secondment agreement
- Oil spill exercises
- Oil spill response training
- Oil spill responder health and safety

Response

- A guide to oiled shoreline clean-up techniques
- A guide to shoreline assessment (SCAT) surveys
- Aerial observation of oil pollution at sea
- An assessment of surface surveillance capabilities for oil spill response using airborne remote sensing

- An assessment of surface surveillance capabilities for oil spill response using satellite remote sensing
- At-sea containment and recovery
- At-sea monitoring of surface dispersant effectiveness
- Capabilities and uses of sensor and video – equipped waterborne surveillance-ROVs for subsea detection and tracking of oil spills
- Capabilities and uses of sensor-equipped ocean vehicles for subsea and surface detection and tracking of oil spills
- Common operating picture
- Controlled in-situ burning of spilled oil
- Dispersant decision toolkit
- Dispersants logistics and supply planning
- Dispersants: subsea application
- Dispersants: surface application
- Guidelines for the selection of in-situ burning equipment
- Inland responses
- In-water surveillance of oil spills at sea
- Oil spill monitoring and sampling
- Oil spill waste minimization and management
- Satellite remote sensing of oil spills at sea
- Shoreline response programme guidance
- The use of decanting during offshore oil spill recovery operations
- Wildlife response preparedness

Impacts

- Economic assessment and compensation for marine oil releases
- Impacts on marine ecology
- Impacts on shorelines

People

- Making the business case for corporate social responsibility



HUMAN RIGHTS

- Community grievance mechanisms in the oil and gas industry
- Company and supply chain labour rights guidance:
 - Company and supply chain labour rights in the oil and gas industry
 - Responsible recruitment and employment
 - Labour rights assessment
 - Key steps for carrying out an on-site labour rights assessment
 - Labour rights assessment toolkit
 - Worker grievance mechanisms
- Human rights due diligence guidance (Executive summary available)
- Human rights training tool (3rd edition)
- Integrating human rights into environmental, social and health impact assessments








LOCAL CONTENT

- Local content (2nd edition)
- Local content: case studies



RESPONSIBLE SECURITY

- Guide to operating in areas of conflict for the oil and gas industry
- Host country security assessment guide
- Host government engagement strategy tool
- Responsible security at sea: compendium of existing tools and guidance 
- Responsible security case studies: training package 
- Voluntary Principles on Security and Human Rights: implementation guidance tools

COMMUNITY ENGAGEMENT AND INDIGENOUS PEOPLES

- Community development agreements
- Community engagement in conflict areas: compendium of existing resources 
- Community liaison officers team building and management guidance and toolkit
- Free, prior and informed consent (FPIC) toolbox:
 - 1a. The business case and awareness of FPIC 
 - 1b. The business case and awareness of FPIC 
 - 2. Stakeholder interview analysis 
 - 3. Member survey results 
 - 4. International instruments
 - 5. Literature of key guidance 
 - 6. Indigenous Peoples mapping tools
 - 7. FPIC fact sheets 
- Indigenous Peoples and the oil and gas industry: context, issues and emerging good practice

SOCIAL INVESTMENT

- Creating successful, sustainable social investment (2nd edition)
- Monitoring and evaluation of social investment
- Redefining key components of social investment
- Social investment across the oil and gas project life cycle
- Social investment as a risk mitigation tool 
- Social investment in skills building and enterprise development 



HEALTH

- Drilling fluids and health risk management
- Fitness to work
- Food and water safety
- Health aspects of work in extreme climates
- Health Committee statement on COVID-19 testing in the oil and gas industry
- Health Committee statement on returning to the workplace
- Health impact assessment
- Health management contract guidelines for clients and contractors
- Health management in the oil and gas industry (Executive summary available)
- Health leading performance indicators - 2020 data
- Health risk assessment
- Infectious disease outbreak management
- Joint position on COVID-19 vaccines
- Managing fatigue in the workplace
- Managing psychosocial risks on expatriation in the oil and gas industry
- Managing tuberculosis
- Managing workplace stress
- Medical facilities assessment
- Mental health risks and the COVID-19 pandemic
- Multiple casualty planning and preparation
- Oil and gas contractor drug and alcohol testing guidelines
- Pandemic management in the oil and gas industry
- Prevention of heart attacks and other cardiovascular diseases
- Substance misuse
- The application of Globally Harmonized System (GHS) criteria to petroleum substances
- Vector-borne disease management programmes



Collaboration

Ipieca has produced resources in collaboration with:





Ipieca is the global oil and gas association dedicated to advancing environmental and social performance across the energy transition. It brings together members and stakeholders to lead in mainstreaming sustainability by advancing climate action, environmental responsibility and social performance across oil, gas and renewables activities.

Ipieca was founded at the request of the United Nations Environment Programme in 1974. Through its non-lobby and collaborative approach Ipieca remains the industry's principal channel of engagement with the UN.

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