Delivering cleaner fuels
The power of partnerships and collaboration
Energy is key to sustainable development

- Affordable, reliable energy access is essential
- Transitioning to a low-emissions future requires global collaboration and support
- Ipieca members recognise their crucial role in supporting the energy transition and contributing to sustainable development
Ipieca

Founded in 1974 at the request of the UN Environment Programme

Our vision

To advance the oil and gas industry’s environmental and social performance and contribution to the energy transition in the context of sustainable development

Our strategic pillars

- CLIMATE
- NATURE
- PEOPLE
- SUSTAINABILITY
Our mission

Advancing a shared industry response to the energy transition in the context of sustainable development

- Developing, sharing and promoting good practices and solutions
- Enhancing and communicating knowledge and understanding
- Engaging members and others in the industry
- Working in partnership with key stakeholders
Ipieca is...

- Sustainability focused
- Non-lobby
- Collaborative
- Full value chain
## CLIMATE - Climate action

1. Support the Paris Agreement and its aims

2. Advance emissions reduction and innovation and enable adoption of low-carbon products and solutions across oil, gas and/or alternative energy

## NATURE - Environmental responsibility

3. Support the aims of the UN Convention for Biological Diversity

4. Responsibly manage operational impacts on the natural environment and ecosystem services

## PEOPLE - Social performance

5. Support the UN Guiding Principles on Business and Human Rights

6. Promote the health, wellbeing and social inclusion of workforces and local communities relating to operations, and contribute to the social and economic development of host communities and countries

## SUSTAINABILITY - Integrating sustainability

7. Support the UN 2030 Agenda for Sustainable Development as embodied by the Sustainable Development Goals

8. Integrate sustainability across activities, increase transparency and engage with key stakeholders

For corporate and associate members

Ipieca Principles
Ipieca Principles
For corporate and associate members

- **Supporting the Ipieca Principles is a condition of membership**
- **Support will differ depending on company policies/procedures, applicable law, operating regions etc.**
- **Examples of what ‘support’ looks like → evolving toolkit of practical examples**
  - Ipieca good practice, external resources and frameworks provided to help companies operationalize the actions
- **Recognizes sustainability is a journey**
- **No requirements for disclosure or verification**
  - To be further considered during 2024 strategic review
Ipieca members
79 companies and associations
Organigram

GENERAL COMMITTEE

EXECUTIVE COMMITTEE

CLIMATE
- CLIMATE CHANGE
- FUELS & PRODUCTS

NATURE
- ENVIRONMENT
- OIL SPILL
- BES
- WATER

PEOPLE
- SOCIAL RESPONSIBILITY
- HEALTH
- HUMAN RIGHTS

SUSTAINABILITY
- SUPPLY CHAIN
- REPORTING
- SDGs
- ALTERNATIVE ENERGY

COMMUNICATIONS
Ipieca and the UN
Principal channel of communication

Ipieca’s role

- Promote UN agreements & conventions
- Provide technical information
- Monitor developments
- Engage with UN secretariat

Ipieca engages with:
Collaboration is key
External partners/stakeholders for 2022
Looking back at the lead campaign

Key success factors and challenges

- **Partnership key to success**
  - Governments, inter-governmental organisations, civil society, oil and gas industry, OEMs

- **No single solution**
  - Strategies needed to take consider population density, transport policy, infrastructure, economics and resource availability
  - Phase out process had to be specific to the situation in each country or region

- **Wide range of solutions required**
  - Refineries – production capacity for pool octane while managing benzene and aromatics
  - Policy – downstream policy to set up and develop ULG
  - Retail – resources required to separate leaded and unleaded fuels in the supply chain
  - Vehicles/perceptions – concern regarding vehicle fleets

- **Ipieca convened the technical expertise and support of members**
  - Workshops, technical expertise, publications
PCFV agreed in 2006 to introduce world-wide sulphur limit of 50ppm

Ipieca members taking action to drive desulphurisation of fuels
  - Guidance document to support production of low sulphur fuels
  - Supporting regional strategies - ECOWAS/ARA Roadmap
  - Working in partnership with regulators

Progress since 2006
  - 103 countries now with low sulphur fuel requirements
  - 94 countries still to switch to 50ppm low sulphur
Refining processes vary considerably
- Each refinery is unique – ranging from simple crude distillation columns, to complex plants e.g. with fluid catalytic crackers

Sulphur removal ability influenced by range of parameters
- Types of sulphur compounds present in crude, availability and design of hydrotreating units, availability of hydrogen and its purity, catalyst type and activity

Product transportation considerations
- Movement of different grades requires management of issues such as 'transmix'

Continuation of an integrated effort by government and industry required to support implementation
- PCFV 'Regulatory Toolkit' supports build up of regulatory strategy, establishment of enabling legislation and regulatory standards
As a UNEP PCFV founding member

Supporting PCFV and its Euro4 implementation strategy

Working in partnership with UNEP PCFV, Ipieca assisted the oil and gas industry in implementing downstream strategies and resources for phasing out leaded gasoline.

Ipieca will now work again with UNEP PCFV on Euro4 fuels standards and support the global strategy.

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