Committees 2020

An introduction to IOGP’s Committees and their activities

The following pages provide a brief overview of IOGP’s 14 Committees, their key activities, recent highlights, and work streams for the coming year.
Showcasing IOGP’s Standing Committees

IOGP’s 14 Standing Committees are the foundation of the Association. The work that they do, leveraged by representation from our Members and coordination from the Secretariat, continues to ensure that the industry maintains safe, secure and sustainable production.

Every year, as part of the Business Plan process, we ask each Committee to highlight its achievements and aspirations at our Extraordinary General Meeting. This brochure showcases our accomplishments and acts as an easily digestible supplement to the Business Plan.

If your company would like to be further involved with our Committees, Subcommittees and Task Forces, please contact me to discuss the opportunities available.

Ed Walsingham
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The Arctic Committee is a unique forum for cross-industry collaboration over the multi-disciplinary aspects of Arctic issues.

The Committee’s scope addresses the Arctic, as well as sub-Arctic and other locations with cold-climate challenges, such as the Sea of Okhotsk, the Caspian Sea, and Offshore East Coast Canada.

**What does the Arctic Committee do?**

**2019 Highlights**

Work with EU Committee on Arctic issues, including input to Arctic events with European External Action Centre and follow up of the Joint research Centre “Safety Aspects of Offshore Oil and Gas Operations in Arctic and Sub-Arctic Waters.”

**Chair’s message**

The Arctic is a politically stable, resource-rich region in a context where such regions are increasingly rare. The oil and gas industry has proven that it can operate responsibly and with high standards across the region. Arctic nations and Arctic peoples should be allowed to act for energy security and economic development where they choose. IOGP is an important industry voice to address media and policy that seek to exclude the Arctic from future resource development.

**Work items for 2020**

- Promoting understanding of the term ‘Arctic’
- Maintaining a trusted relationship with the pan-Arctic regulatory and policy community
- Emphasising science and experience as the basis for safe and environmentally sound operations, through advocacy of selected research projects and good practices
- Challenging reports, statements, and other stakeholder communications that are misleading or incorrect

**Work streams for 2020 and beyond**

- Develop information resources on Arctic for IOGP website
- Maintaining a broad network on risks affecting industry access to Arctic resources
- Engage with EU towards 2022 Arctic Policy updates and related studies (with EU Committee)
- Selective engagement with Arctic Council and Arctic Economic Council as relevant for IOGP
- Support NOIA in policy, licencing and regulatory issues

For more information visit [www.iogp.org/our-committees/arctic-committee](http://www.iogp.org/our-committees/arctic-committee)
What does the Communications Committee do?

In the challenging context of rising energy demand and a lower carbon emissions future, the Communications Committee advocates the case for oil and gas (COG):

- Raising awareness of oil & gas benefits in everyone’s life
- Ensuring that oil & gas is recognised as part of the solution
- Sensitising stakeholders to the continuing need for upstream investment to counteract field depletion

2019 Highlights

Affirmed the rising importance of communications within IOGP:

- COG budget: moved from project based to continuous activity with increased travel budget
- New Global Engagement Manager
- New Communications Director

Increased engagement efforts:

- COP24 in Katowice [2018], COP25 Madrid
- B20/G20 in Argentina

Social media achievements:

- Increased to 60k Twitter followers
- Enhanced visibility thanks to ‘number of the week’ online feature and opinion pieces

Global Production Report:

- Second edition published, third due in November 2019
- Videos released

For more information visit www.iogp.org/our-committees/communications
The Decommissioning Committee is working to establish and maintain the group as the ‘global voice of decommissioning’ and actively lead the sharing of international experience and good practice and influence the development of policy or guidance of decommissioning worldwide.

### Communication and Outreach
- Serve and connect membership globally and support stakeholders to increase their understanding of decommissioning through information, good practices sharing and conference presentations.

### Regulatory Advocacy
- Influence the development of decommissioning regulatory requirements and guidance through IOGP’s observer status on international committees and regulatory forums.

### Technical Work
- Collect and evaluate operational developments (technical, HSE and societal) in critical decommissioning areas to further safe, responsible and efficient decommissioning.

### Chair’s message

We are transitioning the Decommissioning Committee to achieve a global reach.

We are dealing with topics of global relevance, advocating on international, regional, and national regulations, and we have active participation by members from five continents.

Methane seepage is a topic we expect will need to be monitored and followed up on post 2018/19 advocacy.

With this shared learning and global collaboration, we aim to facilitate an industry that develops new norms to deliver safe, responsible, and economical decommissioning outcomes.

### Work streams for 2020 and beyond

#### Pipeline Decommissioning
- Evaluate strengths and weaknesses of current approaches and identify any gaps for further work; we will also consider turning the 2019 internal paper into an external publication.

#### Habitat
- Consider turning the 2019 internal paper into an external publication and that could be used for advocacy and continue connections with scientific community.

#### Methane
- Methane seepage is a topic we expect will need to be monitored and followed up on post 2018/19 advocacy.

#### Risk
- Develop a risk matrix that identifies the potential issues/topics of risk to industry related to decommissioning and evaluates them in terms of likelihood of occurrence and risk to the industry.

### Work items for 2020

- **Pipeline Decommissioning**
  - Evaluate strengths and weaknesses of current approaches and identify any gaps for further work; we will also consider turning the 2019 internal paper into an external publication.

- **Habitat**
  - Consider turning the 2019 internal paper into an external publication and that could be used for advocacy and continue connections with scientific community.

- **Methane**
  - Methane seepage is a topic we expect will need to be monitored and followed up on post 2018/19 advocacy.

- **Risk**
  - Develop a risk matrix that identifies the potential issues/topics of risk to industry related to decommissioning and evaluates them in terms of likelihood of occurrence and risk to the industry.

### 2019 Highlights

#### Pipeline Decommissioning
- Reviewed practices and trends, develop an internal ‘IOGP Brief’ that outlines technical methods used, residual liability, and assessment of fate and effect of common contaminants.

#### Habitat
- Promoted view that habitat retention can be positive; collect and evaluate key science and case studies undertaken worldwide; synthesise into an internal ‘IOGP Brief’. Created global connection of marine scientist.

#### Methane
- Re-established the external dialogue about biogenic methane seepage naturally occurring on the seafloor in the marine environment versus assertions that methane seepage is associated with well bores through review of current guidance/reports on the topic of methane seepage.

#### Regulatory advocacy
What does the Environment Committee do?

- Develop and promote good environmental practice
- Sponsor and undertake scientific research to develop appropriate risk management approaches e.g. $60M invested to date in underwater sound research to better understand the impacts of the industry on marine life
- Proactively develop and advocate the industry’s position in response to changing regulations e.g. drill cuttings discharges
- Engage with regulators and relevant stakeholders to raise awareness and improve our reputation e.g. meetings with IOPER, presence at the Regional Seas Conventions

2019 Highlights

Documents to be published:
- Methane Reporting Comparison Study
- Remote Sensing Guide ‘The applicability of air- and space-borne remote sensing to operational environmental monitoring’
- Risk-Based Approach to Produced Water Phase 1 Report (internal report)

Stakeholder Engagement:
- Sound and Marine Life engagement and Concept/Reference EIA
- International Offshore Petroleum Environment Regulators (IOPER) engagement – May, July and Oct
- Regional Seas Conventions – increased Barcelona, Abidjan and OSPAR activities
- EU Hydrocarbons BAT Guidance document – pragmatic outcome due to IOGP input

Additional Highlights:
- Energy Efficiency Indicator TF – launching Pilot Benchmarking Exercise with three 3rd party companies
- Risk-Based Approach to Produced Water TF - workshop in London 25–26 September to discuss Phase 2 Guidance Document
- Drill Cuttings Management TF – developed pre-read document for regulators on ‘Offshore drill cuttings discharge regulations: a high-level summary of the rationale supporting their development’

For more information visit www.iogp.org/our-committees/environment
What does the EU Committee do?

- Promote E&P, the role of oil & gas in the EU climate and energy debate, and the socio-economic benefits of EU upstream activity
- Communicate the safe, responsible, and profitable performance of members in Europe to EU institutions and other stakeholders
- Provide technical expertise and industry perspective in the various legislative initiatives undertaken by the EU
- Build relationships with EU policymakers (Commission, Parliament, Council) and relevant stakeholders (other industrial sectors, NGOs, think tanks, etc.)
- Raise awareness of the upstream sector and the use of oil & gas in general

Work streams for 2020 and beyond

- Monitor and shape all regulatory developments which impact our industry in the EU, or risk spilling over to those abroad
- Delivering the European oil & gas industry’s vision to EU policymakers and maintaining an open and constructive dialogue with them
- Make sure industry has a say in shaping both its own role, and that of oil & gas products in the European energy mix
- Raise awareness of industry’s contribution to the EU’s climate ambition, including through CC(U)S and the long-term role of natural gas in hydrogen form
- Develop new relationships between its Members and emerging oil & gas players in Europe

Work items for 2020

- European Green Deal
- Offshore Safety Directive
- Gas Legislative Package
- Methane Emissions
- Hydrogen from Natural Gas
- Carbon Capture and Storage
- Sustainable Finance

Chair’s message

The EU is the world laboratory for climate policies and its spill-over effect is huge. Our industry is at a crossroads in the EU, and the IOGP Brussels office under the EU Committee leadership has the strategic role of showcasing our determination to supply not only the energy we need to fuel our economy today, but also the large-scale solutions to achieve deep emission cuts through technologies such as hydrogen and CCS. With the appropriate strategy and the right means, we can position the oil & gas industry as the EU’s partner in this endeavour.

2019 Highlights

- HC BAT acceptable for industry
- Impact of Brexit on IOGP Brussels
- Coordination of CCS Report for EU Commission Gas Regulatory Forum
- Recognition of role of CCS by policymakers
- EU Elections
- Launch of ‘H2 for Europe’ study
- Exemption for use of microplastics in offshore drilling
- EIB Lending Policy
- Increase in resources for 2020-onwards
Geomatics support during the upstream oil and gas life cycle

**Access**
- Coordinate Reference Systems, Licence boundaries, Land of the Sea and continental geospatial data provision
- Seismic survey positioning & regional data integration
- Exploration-drilling hazard surveys
- Rig moves and well positioning
- Environmental Impact Assessments surveys
- Site & route-geophysical and geotechnical surveys and information management

**Exploration & Appraisal**
- Pre-drill optimisation surveys
- Seismic processing & synthetic seismics
- Seismic imaging, tomography, and inversion
- Seismic & Wellbore survey data exchange formats
- Seismic geology & reservoir characterisation
- Seismic 3D & 4D Surveys and well positioning
- As-built survey & positioning, digital twin and information management
- SMEPS & situational awareness

**Development**
- Remote monitoring & personnel positioning
- GIS asset mapping
- Remote sensing / common operating picture & situational awareness
- Pipeline and structure inspection, repair & maintenance support – positioning and information management
- 100% site surveys & rig / well positioning
- Oil & Gas position data exchange standards
- Geo-asset surveys
- Infrastructure Survey (GIS) Data Model
- Land Survey (GIS) Data Model
- Offshore Infrastructure Survey (GIS) Data Model
- P6 and P7 position data exchange formats
- Ongoing maintenance of ISO, OGC, EPSG, and IMCA's Offshore Survey Division on revision of their current and planned guidelines, incl. joint IMCA/IOGP workshop and web-seminars to promote P1, P2, P3, and P4 standards
- Work with OGC, ISO, SEG and Regulators to promote adoption or improvement of coordinate data and reference system standards
- Joint 10th Petrobras/IOGP Geomatics Industry Day (Rio de Janeiro)
- Major revision of EPSG Platform and new GIGS Platform
- Ongoing maintenance of IOGP’s EPSG Geodetic Parameter Dataset
- Joint 9th AFGS / IOGP Geomatics Industry Day (Houston)
- Create material and deliver web-seminars to promote P1, P2, P3, and P4
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- Release of new EPSG Platform and new GIGS Platform
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**Production**
- Accurate real-time positioning and spatial data acquisition
- Reduced operational cost and shorter delays, positioned where intended, better value
- Informed and competitive business decisions – spatially accurate, high quality operations positioning, geospatial data, analytics and digital mapping
- Business value of Geomatics in the oil & gas sector
- Creating Business Advantage
- Enhanced, high quality geospatial analytics, better visualisation, better surface and sub-surface models (digital twin)

**Retirement**
- Abandonment and post-abandonment surveys
- Environmental monitoring surveys
- Structure monitoring
- Pipeline and structure inspection, repair & maintenance support – positioning and information management
- 100% site surveys & rig / well positioning
- Offshore Infrastructure Survey (GIS) Data Model
- Land Survey (GIS) Data Model
- Offshore Infrastructure Survey (GIS) Data Model
- P6 and P7 position data exchange formats
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**Survey and Position Integrity and Geospatial Data Management Across the Full Field Life Cycle**

**What does the Geomatics Committee do?**

The Geomatics Committee provides global guidance for the survey & positioning and geospatial data management disciplines.

Geomatics helps IOGP Members by developing and disseminating good practice, providing a forum for exchanging knowledge, influencing regulators and standards organizations, maintaining international position data exchange formats, data models, and a global geodetic parameter dataset (EPSG), and liaises with industry associations.

**2019 Highlights**

- Major update of EPSG model to maintain compliance with ISO 19111
- Promote adoption of Subsea Survey Data Model V2 as OGC Community Standard
- Geophysical Operations Workshop on 4D Surveys (London)
- Workshop on the application of Earth Observation data for environmental monitoring and management strategies (Paris)
- Joint 9th AFGS / IOGP Geomatics Industry Day (Houston)

**Work items for 2020**

- Release of new EPSG Platform and new GIGS Platform
- Ongoing maintenance of IOGP’s EPSG Geodetic Parameter Dataset
- Joint 10th Petrobras/IOGP Geomatics Industry Day [Rio de Janeiro]
- Work with OGC, ISO, SEG and Regulators to promote adoption or improvement of coordinate data and reference system standards

**Subcommittee and Task Force activities:**

- Create material and deliver web-seminars to promote P1, P2, P6 and P7 position data exchange formats to the industry
- Deliver new Land Survey (GIS) Data Model and new Offshore Infrastructure Survey (GIS) Data Model
- Major revision of P7 wellbore survey data exchange format
- Major revision of GIGS documents and test data sets
- Major revision of EPSG supporting documentation
- Development of new 4D Seismic Guidance
- Cooperate with IMCA’s Offshore Survey Division on revision of their current and planned guidelines, incl. joint IMCA/IOGP Workshop
- Cooperate with IPIECA Oil Spill Working Group Technical Stewardship TF on Common Operating Picture
Health Committee
Chair: (To be elected)

I. Purpose and integrated Health Management Systems

“We are passionate about the health and wellbeing of workers and communities, and work towards a responsible and caring culture that enables people to perform to the best of their potential”

Guidance:
IOGP 343 - Health Management in the Oil and Gas industry (2019) provides the business case and organisational framework for delivering Health management in the O&G industry and introduces the three pillars of ‘risk assessment’, ‘mitigation’ and ‘health care delivery’

Guidance:
IOGP 386 – Health Risk Assessment (2006, will be revised in 2020)
IOGP 568 – Health Impact Assessment (2016, plan to revise in 2022)

II. Health risk assessment & opportunities

Provide basic scope and model for preventing illness from exposure in/near the workplace by conducting Health Risk Assessment and Health Impact Assessments

Guidance
IOGP 386 – Health Risk Assessment (2006, will be revised in 2020)
IOGP 568 – Health Impact Assessment (2016, plan to revise in 2022)

II. Health risk mitigation & management

Provide Health Committee position on impact and management of key health risks and opportunities

Guidance
Wellbeing (work in progress, 2019-2021)
Management of Worker Health Protection (work planned for 2020)
IOGP 445 – Substance misuse (2011, plan to revise in 2022)
IOGP 626 – Managing Fatigue in the workplace (2019)
IOGP 470 – Fitness to work (2012, update in 2021 including return to work)

III. Health care delivery

Purpose: provide framework for managing (acute) illness and chronic disease at the worksite including in remote locations

Guidance
Managing medical emergencies (worked planned to start in 2021-2022)
Primary Healthcare delivery (worked planned to start in 2021-2022)

The Committee has a leadership role to

- Bring health to the forefront of everyday operation of our industry
- Collaborate internally and externally to identify, debate and prioritise relevant health issues of interest to its members and share best health practice
- Develop scientifically independent, evidence-based guidance and recommendations on a range of strategic health issues, including occupational, environmental and public health
- Provide adaptable tools to member health organisations meet their specific needs and opportunities
- Promote cross-industry harmonisation and digitalisation

Collaborating, promoting and partnering

I. Purpose and integrated HMS

- Present at SPE HSE 2020 promote committee work
- Partner with the Faculty of Remote and Rural Health Care to deliver syllabi and independent accreditation for training providers and individuals around the globe

II. Health risk assessment & opportunities

- Work with the IOGP EU Committee on issues such as Benzene Occupational Exposure Limit

III. Health risk mitigation & management

- Commission a white paper on artificial light, its impact on alertness and other health impacts
- Continue to support and contribute to the Building Responsibly initiative for the construction industry

For more information visit www.iogp.org/our-committees/health www.iogp.org
The Legal Committee deals with international law or comparative national law or international conventions, organisations and insurance matters. The Committee comprises specialists from IOGP member companies working in the areas of:

- Civil liability, insurance
- International conventions affecting E&P activities
- Contract law

In 2020, the Legal Committee will be further working with the EU Committee on the legal implications of Brexit, on regulation and CCS development, and on data sharing.

- The Offshore Safety Directive
- Energy Transition

The Legal Committee offers advice on major strategic issues (such as international sanctions) and on matters of association business, such as JIP agreements, Memorandum & Articles of Association. The Committee advises the IOGP EU Committee on issues that are dominated by legal considerations, such as transparency, financial security and environmental liability.

In 2020, the Legal Committee will be further working with the EU Committee on the legal implications of Brexit, on regulation and CCS development, and on data sharing.

Legal committee contributes pro actively to establishing common understanding of rules and regulations necessary for IOGP to execute on its ambition on behalf of the members.
### Work items for 2020

- Develop recommendations for how IOGP members should consider the potential physical impacts of climate change on design and operations (work initiated by the 2018 IOGP/COMM/WCRP “Our Future Climate” workshop)
- Improve contact between industry and academia via establishing a Climate Change Network and dedicated workshops
- Review opportunities to share industry and publicly-available meteorological and oceanographical data in Australia and West Africa regions (via Metocean Networks)
- Identify opportunities to improve the quality of weather forecasts used for the offshore oil and gas industry (via Weather Forecast TF)
- Develop the industry guideline on best practices and configurations for ADCP
- Establish two new Networks – West Africa Metocean and Australia Metocean – to tackle weather related challenges for operations in these regions
- Worked closely with IPIECA’s Adaptation and Resilience TF with objective to align projects of mutual interest
- Provided recommendation for revision of IOGP Report No. 447. HSE guidelines for Metocean surveys including Arctic areas

### Active projects and studies supported

- **Australian Tropical Cyclones Reanalyses**: Aiming to improve the historical record describing tropical cyclone location, intensity and structure
- **Australian Tropical Cyclone Forecasting Improvements**: Aiming to improve forecasting of cyclone formation and estimation of wind and wave impacts from tropical cyclones in the 10-day forecast window for the Australian region
- **CASE**: Developing new tools and technology for characterization of deepwater currents in the Gulf of Mexico
- **DEEPSTAR**: Technology development forum focused on creating value in the development of deepwater assets
- **EMMET (proposed JIP)**: Develop atmospheric and wave models for offshore North Basil (towards Trinidad and Tobago) that can be used for offshore design and operation planning (hindcasting)
- **LOADS**: Extreme wave modelling to provide practical recommendations for the wave heights and crest heights to be used in (floating) platform design
- **LOWISH**: Depth-limited shallow-water waves modelling
- **NEXT**: North Sea and Norwegian Sea long-term metocean hindcast studies including wave and wind modelling
- **NFAST**: Nonlinear internal waves [solitons] modelling
- **REMO-H (proposed JIP)**: Working closely with Academia (Brazil) on developing oceanographic models that can be used for environmental licensing and offshore design (hindcasting)
- **SEAFINE**: Development of wind and wave hindcast on a fine grid of the southern part of the South China Seas

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**What does the Metocean Committee do?**

- Provides a focal point for communicating industry’s requirements to global and regional metocean data archiving, data analysis and metocean forecasting organisations
- Leads the offshore industry in applying new metocean techniques in offshore structure design and operations
- Provides critiques of existing and proposed rules and regulations of government agencies and certification societies
- Develops relevant metocean standards in safety and engineering, and metocean operational standards to reduce weather related risk
- Provides guidance on how to understand and quantify risks associated with climate change
- Provides a forum for the discussion of on-going regional metocean projects relevant to the oil industry and, where appropriate, plays a role in initiating such projects to be undertaken by industry and/or governments

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**2019 Highlights**

- Delivered seminar on Extra-Tropical Storms (Sep 2019, London)
- Established two new Networks – West Africa Metocean and Australia Metocean – to tackle weather related challenges for operations in these regions
- Worked closely with IPIECA’s Adaptation and Resilience TF with objective to align projects of mutual interest
- Provided recommendation for revision of IOGP Report No. 447. HSE guidelines for Metocean surveys including Arctic areas

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**Meeting Synopsis**

Extra-tropical storms provide one of the greatest hazards to oil and gas operations in the North Sea, Eastern Canada Extra-tropical storms have improved significantly in recent years with the development of metocean surveys including Arctic areas. They are responsible for generating large surge conditions that often control the design of fixed and floating structures – Part 1: Metocean design and operating considerations, and ensure alignment with API RP 2MET (under Standards C.2)

**Meeting Objectives**

- Identify opportunities for improved operational forecasting of extra-tropical storms.
- Seek expert consensus on climate change impacts on extra-tropical systems; future climate models need to provide long-range seasonal predictions.
- Identify current state of knowledge in the prediction and understanding of severe extra-tropical storms.
- Increase the skill in seasonal predictions of extra tropical storms by improving the accuracy of models that simulate the behavior of storms.
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- Improve the quality of oceanographic and atmospheric models used to predict the behavior of extra-tropical storms.
- Improve the quality of oceanographic and atmospheric models used to predict the behavior of extra-tropical storms.
- Increase the skill in seasonal predictions of extra tropical storms by improving the accuracy of models that simulate the behavior of storms.
What does the Safety Committee do?

Promotes the integration of safety in industry, currently focused on eliminating fatalities through Project Safira

2020 work items

- Promote the IOGP Life-Saving Rules as a common industry set
- Complete the work of simplifying and operationalising IOGP Report 590 – Aviation management guidelines
- Publish a set of Process Safety Fundamentals targeted to help the workforce identify and raise the issues that have led to fatal process safety events and other Tier 1 process safety events with a high injury potential that have been historically reported to IOGP
- Revise IOGP 365 – Land Transportation Recommendation Practice and update the Journey Management guidance in collaboration with the Security Committee
- Partner with a broad range of stakeholders on harmonising Contract HSE Management (IOGP 423) to collectively deliver lasting improvements in safety and efficiency

Learning to prevent incidents

This new 2020 project will focus on how to learn, not just from incidents, but from successful work.

- How do we learn from work that goes "okay"?
- How do we take advantage of good practice from work that goes "better than expected"?
- What can we gain from verification, assurance and other leading information?
- What are the realistic options for putting this into practice in operations?

It will also promote the continued relevance of IOGP Report 552 as a sound foundation for systematic learning, and explore the human and organisational factors that support it.

Working with industry partners

Continue to work with Global NCAP on the promotion of 5-star rated light vehicles, and develop a crash test protocol and programme for buses/people carriers, which represent a large exposure for our workforce.

Through a Joint Industry Project, IOGP Members are accelerating initiatives to improve offshore helicopter safety. The project is open to new participants, and is currently funding initiatives such as:

- Evidence-based Training for pilots
- Human Hazard Analysis Training for designers
- Automatic Dependent Surveillance - Broadcast (ADS-B) Trial

With contractors undertaking ~80% of the hours worked in 2018, they continue to contribute to the majority of reported fatalities (29 of 31).

The Safety Committee activities often aim to develop standardised ways of working safely which can lead to:

- Simplified training
- Improved understanding of critical controls to prevent incidents
- Consistency in communicating experience and lessons learned
- Reduced complexity and cost as contractors move from operator to operator / worksite to worksite.

Thank you to all Members contributing to our data and reporting:

- Safety Performance Indicators
- Process Safety Events
- Aviation accidents
- Motor vehicle crashes

Of the 27 fatal incidents reported in 2018, analysis shows at least 85% of the 31 lives lost might have been prevented if one or more IOGP Life-Saving Rules had been followed.

“We have to do something before we have a bad accident” says the VP. “It seems like our people are taking risks, making mistakes and simply not doing what they are supposed to do.”

There is silence, at the end of the table the engineering manager cautiously says, “I wonder if it’s something we are doing?”

Now that is a very good question...

IOGP Report 453 collates recent insight and experience to help leaders develop ideas for practical action to shape the culture and success of their organisation.
The Security Committee defines SECURITY as the identification, evaluation, and management of threat and risks arising from intentionally directed actions against people, assets, information, operations and reputation regardless of the cause.

The primary objective of security is to provide a safe and secure operating environment by mitigating security threats to people, assets, information, operations, and reputation. This is achieved by implementing robust threat and risk assessment processes and minimizing the impact from security-related incidents, should they occur.

Managing security risks is an essential business activity within the global upstream oil and gas industry. The range of security threats posed varies in scope and intensity and companies should ensure they have comprehensive security awareness and knowledge. Without consistent security risk management strategies, companies may be exposed to an increasing level of security instability and unpredictability.

Cooperation and sharing of information within the industry is crucial to help companies collectively respond to emerging threats and, importantly, learn from incidents where things have gone wrong. The Security Committee addresses common concerns and developing/sharing knowledge of security issues and lessons learned from previous incidents in their meetings.

In 2019, the Security Committee was proud to deliver a number of work products that provide value for members and the industry:

- Update of Report 308: Response to demonstrations at company premises
- Update Report 496: Guidelines for security planning in remote locations – Members Only
- Insider Threats Mitigation Guideline

2019 Highlights

Security incident reporting

IOGP’s Project Safira identified that security-related incidents are ranked as the 5th most common cause of fatalities in Upstream Operations. Implement and roll out a security incident reporting form to capture learnings and identify areas of focus for the committee.

Journey management

Liaise with the Safety Land Transport Subcommittee to review Journey Management procedures and develop a security specific Journey Management guideline.

Travel security

Develop a series of infographics for additional travel recommendations and cultural awareness that may be required given the evolving global security threat environment.

Global threats

Discuss current and emerging Global Threats and what this means, how to combat these threats and manage the risks.

Sharing of security incidents

Continue to share lessons learnt from security incidents within the industry and identify common themes from sharing that can influence the Security Committees ability to allocate resources against specific industry issues.

Security publications

Review and update IOGP security publications.

Chair’s Message

The global threat remains dynamic and difficult to predict with increasing connectivity requiring closer monitoring and quicker assessments of evolving situations.

During 2019, the Security Committee continues to learn from previous security events, better share information as a group and link up with other industry sectors (Aviation and Maritime this year).

Given that the majority of IOGP reported security incidents relate to personnel movements in remote/higher threat locations, we are also looking at current IOGP journey management guidance to include security considerations.
What does the Standards Committee do?

- Harmonises operator specifications through JIP33 and JIP35 creating joint specifications that can replace individual company specifications
- Supports the development of international standards for our industry, identifies areas where new standards are required, works with standards bodies and regulators globally
- Operates the Standards Solution, which provides a legally compliant platform for international standards to be developed
- Works with the Unified Bulk JIP to develop international standards
- Liaises with other IOGP committees on standards
- Supports 7 subcommittees, several task forces and joint industry projects

2019 Highlights

- Engineering Leadership Council actively engaged
- JIP33 Phase 2 delivered the last of 14 common procurement specifications
- JIP33 Phase 3 Participation Agreement signed with 12 major operating companies around the globe
- JIP33 scale up plans agreed
- JIP35 for Offshore Structures work pushed to deliver common specification
- Standards Solution added more new work items and delivers draft ISO standards
- Revision of IEC 61892-series “Mobile and fixed offshore units - Electrical installations” published
- JIP30 continued to support development of ISO Offshore Structural standards
- Working MOU with Unified Bulk JIP
- Worked to transfer CFIHOS to IOGP governance
- Established Offshore Cranes TF to work with API and CEN improving their standards
- Established Global Equipment Hub TF to develop system to share equipment information
- Requirements Digitalisation TF delivered guideline for improved standards writing
- Signed MOU with API to improve collaboration

Work streams for 2020 and beyond

- Continue JIP33 work
- Provide engineering leadership
- Support international standards development
- Maintain Standards Solution
- Push for alignment on preferred standards
- Support and work on information standards
- Maintain close contact with standards organisations
- Network to build excellence
- Experts experience sharing
- Digitising requirements

Work items for 2020

- Step up JIP33 to deliver 35-40 more joint specifications
- Work with JIP35 to deliver 12 joint structural specifications
- Work with operating companies to adopt joint specifications
- Work to improve information standards
- Promote IOGP’s position and key messages on standards confirming IOGP’s role
- Communicate strategically on value of standardisation
- Work with standards organisations to update their standards
- Maintain the Standards Solution to support the development of International Standards
- Collaborate with other IOGP committees
- Step up digitising requirements

For more information visit www.iogp.org/our-committees/standards
What does the Subsea Committee do?
The purpose and vision of the Subsea Committee is to improve HSSE (Health, Security, Safety, Environment) and contribute to value creation with a focus on two priority areas with two supporting themes:

**Priority area: HSSE**
- Supporting theme: performance improvement including production efficiency / lifetime extension

**Priority area: SSI (Simplification, Standardisation, Industrialisation)**
- Supporting theme: technology qualification

Chair's Message
It is time for the subsea industry to look into, explore and harvest from the possibilities Subsea Digital can provide for the industry. On this basis, the Committee arranged a workshop with the main EPC+I (Engineering, Procurement, Construction, Installation) contractors in October focusing on topics like field planning tools, automated surveying and condition monitoring, digital twin and documentation.

We believe these new tools and ways of working will aid in simplifying, standardising and industrialising the way the industry works enhancing our Health, Environment and Safety standards while improving our business proposition.

2019 Highlights
The Committee continues to work to achieve sustainable changes and improvements in the industry - operators and supply chain - to further increase efficiencies. Ongoing initiatives will be supported as applicable, and new initiatives may be proposed/supported to further improve the performance of the subsea industry.

The Flexible Pipes Subcommittee provides a forum for international operators to share knowledge and experience of flexible pipe operation, integrity management, and service life assessment to continuously reduce safety & environmental risks and improve overall lifetime costs. IOGP report 623: Lifetime Extension of Flexible Pipe Systems is expected to be published Q42019.

The purpose of Subsea Life Extension is to maximise economic recovery from subsea assets using existing infrastructure whilst maintaining acceptable integrity and risk levels. As our installed subsea infrastructure increases and ages, and there is a greater focus on the verification of fitness for service.

The Committee held a Life Extension workshop and will continue to examine the drivers for Life Extension and evaluate the importance of choice of assessment processes.

Work items for 2020
- **Guideline for Qualification Test Methods for Polymer Materials used in Flexible Pipe Structures**
  Recommended practice for the large-scale qualification methods for polymer materials used in flexible pipe structures

- **Flexible Pipe Integrity Blind Spots Workshop**
  Collaborate with industry on integrity management and inspection techniques for the flexible pipe locations that we cannot easily inspect

- **Thermo-Composite Pipe [TCP] Technology Workshop**
  Review and assess technology qualification gaps in DNV-ST-F119 for Thermo Composite Pipes

- **Digital strategy for Subsea**
  Map out what work has been carried out in the digital word regarding subsea and identify possible areas of collaboration or areas of focus

- **HSE lessons learned database**
  Set up a database for capturing the lessons learned and take measures to prevent and mitigate

- **Emergency Preparedness**
  Monitor the development and potential use of subsea emergency response equipment and procedures in close dialogue with the WEC’s Subsea Well Response & Source Control Subcommittee

- **JIP33 Phase 3**
  Support any Subsea Specifications which are in the JIP33 Phase 3 Program
The Wells Expert Committee (WEC) was established in July 2011 to be a global voice for well operators and a relevant and effective technical authority on the prevention and mitigation of high consequence well control events.

The purpose of the Wells Expert Committee (WEC) is to improve well operators' effectiveness in the prevention and mitigation of high consequence well control events throughout the well life cycle, but particularly during well construction and well work, recognising that such events pose the highest global risk to safety, to the environment, and to the industry’s license to operate.
# Committee Coordination

(Correct as November 2019)

<table>
<thead>
<tr>
<th>Standing Committee</th>
<th>Committee Chair(s)</th>
<th>Member Company</th>
<th>Secretariat Coordination</th>
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<tr>
<td>Arctic</td>
<td>Catherine Jahre Nilsen¹</td>
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<td>Leadership Council</td>
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¹ The current Chair is stepping down at the end of 2019. The process for selecting a new chair and vice-chair is underway and those positions will be filled by January 2020.

² At the time of press, Health Committee Chair elections were underway. The new Chair is to be appointed by the end of 2019.

³ The current Standards Manager position is vacant and being covered by Diana Khatun until further notice.