

Committees 2019

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.





2018 Highlights

- Driving industry representation at Arctic Council CAFF Arctic Biodiversity Congress (Finland) and OTC/ATC (Houston)
- Mitigating new initiatives for Arctic standards under ISO TC67/SC8
- Advocating industry at EU Arctic events and cooperation with EU Joint Research Centre (JRC) Arctic practices study
- Initiating the Arctic Oil Spill Response Overview project and integration of Arctic into industry OSR publications

Work Items for 2019

- Complete Arctic OSR summary roadmap (with OSR Group)
- Collaborate with UNEP WCMC regarding Arctic data for Proteus
- Follow developments in new US policy regarding opening of new areas and update of NPC "Arctic Potential" Study
- Support Arctic aspects into industry updates for OSR GPG and black carbon information
- Monitor and engage with Arctic Council, Arctic Offshore Regulator Forum and Arctic Economic Council
- Monitor and engage with EU Arctic positions and policy initiatives

What does the Arctic Committee do?

The Arctic Committee is the technical and advocacy focal point for the E&P industry in Arctic and sub-Arctic areas.

The committee works to "keep the Arctic open for business", i.e. to support industry access to the Arctic within a competitive commercial framework.

Work Streams for 2019 and beyond

- Promoting understanding of the term 'Arctic' as a wide range of offshore and onshore environments, and relevant within a COP21 context
- Maintaining a trusted relationship with the pan-Arctic regulatory and policy community
- Promoting science and experience as a basis for licence to operate, through advocacy of selected research projects and good practices
- Monitoring stakeholders and challenging reports, statements and other stakeholder communications that are misleading or incorrect

Chair's message

Climate change in the Arctic continues to have a high profile across social, academic and political debates. Balanced facts on Arctic E&P are increasingly hard to find and can influence key decision makers. IOGP has a challenging but important role to advocate for science-based decision making, a stable energy transition, and sound environmental practices that will keep the Arctic open for local economic development.



What does the Communications Committee do?

We ensure that IOGP has a clear, consistent, and compelling voice at a time when orchestrated criticism could jeopardise our industry's future – and the world's energy supply. We also help other committees to refine and convey their own messages.

We do this by...

- Explaining the importance of our industry to society in general and regulators and legislators in particular
- Promoting IOGP's activities to relevant publics including existing and prospective member organisations
- Working with other Committees and the secretariat to provide clear and cogent key messages and content

2018 Highlights

- **Output** included IOGP's first *Global Production Report*, graphics in 16 languages, global energy briefs, films, animations, and 111 online numbers of the week
- **Global advocacy** encompassed involvement in the major international policy conferences such as the B20/G20, and the UN's Climate Change COP
- A **speaker programme** took IOGP to major UK universities with international student bodies, the Model UN, SPE conferences, and major Member Company events
- **Media** involved background briefings for the FT, among others, regional coverage in Africa and South America, and a total of 38 media mentions worldwide
- **Social media** achievements included growing our Twitter followers from 2,000 in 2016 to 28,000 at last count, an expanded presence on LinkedIn and Facebook, and work on Wikipedia entries
- **Coordinating synergies** has aligned IOGP communications more closely than ever with those of IPIECA, IGU, SPE, OGCI, API, ARPEL, CAPP, and other NOIAs



What does the Decommissioning Committee do?

The Decommissioning Committee works 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.

Work streams for 2019 and beyond

Communications and Outreach

- Comms/Outreach – communications materials, website, brochure, video
- External Engagement – stakeholder engagements, conference sponsorships
- Support to Other Regions – consider regional taskforces, engage with relevant NOIAs

Regulatory Advocacy

Regulatory Engagement – continue to monitor and influence regional and global regulations and guidance

Technical (Pipelines & Habitat)

Work items for 2019

Develop 3-year strategy (2019-2022)

Pipeline Decommissioning – review practices and trends, develop an internal 'IOGP Brief' that outlines technical methods used, consider residual liability, and assess fate and effect of common contaminants.

Habitat – The Committee aims to promote the view that habitat retention can be positive, to collect and evaluate key science and case studies undertaken worldwide, and synthesise all of these elements into an internal 'IOGP Brief'.

Both work items to be undertaken in collaboration with Environment Committee.

2018 Highlight

Decommissioning East meeting in Kuala Lumpur:

Meeting for the first time outside the North Sea Region, the Decommissioning Committee convened in March in Kuala Lumpur, hosted by Petronas. The meeting was well attended by over 20 representatives from 12 members active in the Asia Pacific region.

The meeting encouraged members and national oil industry associations in the region to connect, learn from each other's' experiences and identify opportunities for regional collaboration and alignment.

The agenda included sharing of decommissioning regulatory developments and experiences in the region:

- Regulatory developments in Australia, Thailand and Malaysia
- Topics of special interest: Comparative Assessment, Rigs to Reefs and Pipeline Decommissioning
- Discussion on topics for regional co-ordination, cross company, regional or global collaboration

Chair's message

Decommissioning is a material issue for the oil and gas industry. Asset Retirement Obligations now represent ~12% of our market cap. The offshore asset base is maturing and decommissioning activity is on the rise. We need to transition this committee to become the 'global voice of decommissioning' to support our members in delivering decommissioning projects that are safe, responsible, and efficient.

What does the Environment Committee do?

- Develop and promote good environmental practice
- Sponsor and undertake scientific research to develop appropriate risk management approaches
- Proactively develop and advocate the industry's position in response to changing regulations
- Engage with regulators and relevant stakeholders to raise awareness and improve our reputation

2018 Highlight

The **IOGP Methane Reporting TF** is working to improve the level of accuracy and credibility of IOGP members' methane data in the annual Environmental Performance Indicator (EPI) reporting process, by providing:

- Recommendations for methane data analysis and metrics
- Recommendations for improved clarity in the EPI User Guide to help members improve accuracy of emissions sources
- Study on comparison of methods currently required by key regulatory regimes including UK, NO, NL, US and AU

IOGP became an 'Associate Signatory' to the Methane Guiding Principles in May 2018

We are actively working in 3 main areas to contribute to this initiative to advance strong performance globally across the natural gas value chain:

- **Transparency** via annual IOGP EPI report, Methane Reporting TF, and input to establish a 'Common Reporting Template'
- **Advocacy** of sound policies for methane emissions
- **Communications** of MGP products to our members

Work streams for 2019 and beyond

5 Year Strategy with work streams under 4 different levels:

Existing work that IOGP leads (Subcommittees):

- Sound and Marine Life – advocacy and comms from SML JIP
- Environmental Performance data – continuous improvement
- Regional Seas Conventions – engagement and advocacy

New work to be led by IOGP (Task Forces):

- e.g. Energy Efficiency Indicator, Risk based approach for Produced Water, Drill cuttings management, Microplastics

Collaborative efforts:

- Other IOGP committees incl. Geomatics, Decommissioning, Arctic
- Other organisations incl. IPIECA Climate Change, Environment, Biodiversity, Water, Oil Spill and Reporting groups

Emerging topics we monitor:

- Microplastics

Work items for 2019

- Publish and launch updated **Report 254: Environmental Management in the O&G E&P** - joint IOGP/IPIECA/UNE report
- Publish new Guidance on '**Application of Remote Sensing Technologies for environmental monitoring and management**'
- **Engage with regulators** - International Offshore Petroleum Environmental Regulators Forum (IOPER)
- **Engage with Abidjan-Convention** on implementation of Offshore O&G Protocol in West, Central and Southern Africa
- Continue work on development of **upstream Energy Efficiency Indicator** for performance benchmarking
- Start new TFs on Risk Based Approach **RBA for Produced Water and Drill Cuttings Management**

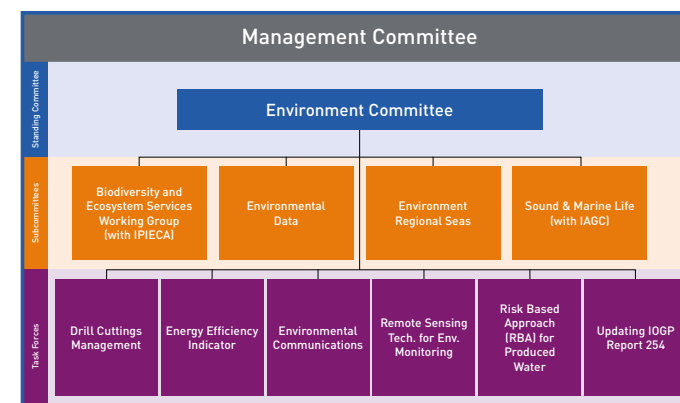
Chair's message

Our 5 Year Strategy focuses on three priority areas:

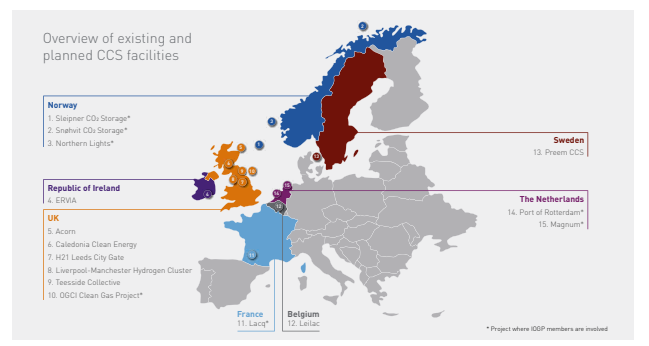
- Retaining and gaining **access** to hydrocarbon resources
- **Operational excellence** in environmental management
- **Advocacy and outreach** to our members and external stakeholders

We regularly review challenges and business needs of our members to ensure our work program is up-to-date and focused.

In today's leaner operating environment, our members increasingly see IOGP EC as an efficient model to identify and address key global environmental issues.



CCS projects in Europe



What does the EU Committee do?

- Promote E&P, the role of oil & gas in the EU climate & 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.)
- Educate policymakers by disseminating information about the upstream sector and the use of oil & gas in general

2018 Highlights

- New Director EU Affairs and launch of IOGP Manifesto ahead of EU elections
- Outreach to MEPs on political party manifestos
- Reduced scope of Hydrocarbon BAT Guidance Document
- Putting CCUS back on the agenda (Coalition, etc.) together with Hydrogen
- COP24 in Katowice
 - GasNaturally Event on EU pavilion
 - IOGP & PGNiG join forces to promote gas at the Polish pavilion
- New communications & educational material platforms and series



Objectives for 2019 and beyond

- Improve understanding of oil & gas' benefits in the EU energy mix and positively shape energy, environmental and climate policies
- Further strengthen visibility of the industry and of IOGP in Brussels
- Build an efficient network with new EU policymakers (post-election)
- Work to make sure National Energy & Climate Plans recognise the role of oil & gas
- Build knowledge on the remaining potential for indigenous production in Europe
- Develop stronger collaboration with NOIAs in Europe
- Position IOGP in a central role regarding CCS in Brussels

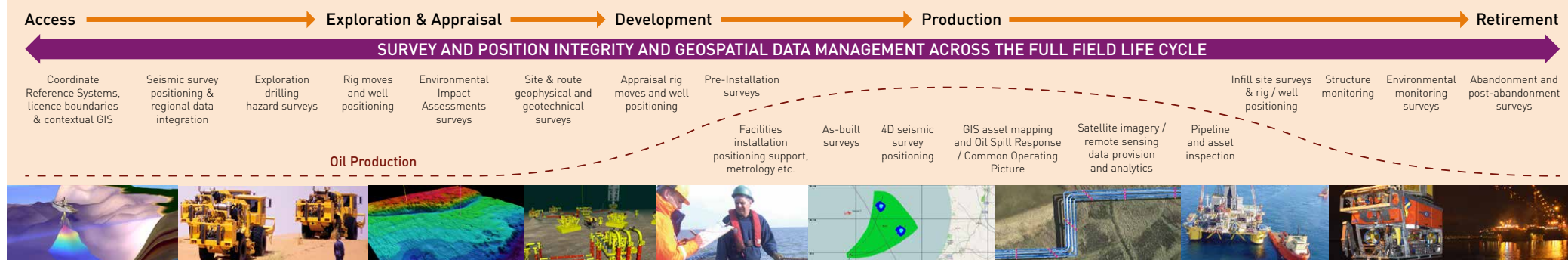
Chair's message

The EU is the world laboratory for climate policies and its spill-over effect is significant. Our industry is now at a crossroads in the EU, and the IOGP Brussels office, under the EU Committee's guidance, has the strategic role of showcasing our industry's determination to supply not only the energy needed 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, IOGP can position the oil & gas industry as the EU's partner in this endeavour.

Work items for 2019

- Long Term EU Climate Strategy
- Gas advocacy
- CCS & Hydrogen advocacy
- Hydrocarbon BAT Guidance Document
- Offshore Safety Directive
- Marine Strategy Framework
- Accounting Directive
- Methane Emissions
- Sustainable Finance
- National Energy & Climate Plans
- EU Elections

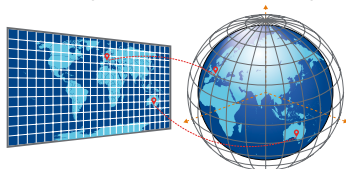
Geomatics support during the upstream oil and gas life cycle



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.



2018 Highlights

- Organised joint IOGP/PETRONAS 8th Geomatics Industry Day (Oct 2018, Kuala Lumpur, 110 participants)
 - Organised Surveying and Positioning Workshop on modern technologies and lessons learnt (Oct 2018, Kuala Lumpur)
 - Organised Geophysical Operations Workshop on 4D Surveys (Nov 2018, London)
- Released:
- New *Geomatics Guidance Note 25 – Dynamic versus Static CRSs and Use of the ITRF*
 - Revised *OGP P1/11 Geophysical position data exchange format – User Guide*
- Still to be released in 2018:
- Updated joint IOGP/IMCA report 373-19 *Guidelines for GNSS positioning in the oil & gas industry*
 - Updated *Geomatics Guidance Note 5 Coordinate reference system definition - recommended practice*
 - Updated *Geomatics Guidance Note 10 Geodetic transformation offshore Norway*
 - New report *OGP P6/11 Seismic bin grid data exchange format - User Guide*

Work items for 2019

Major update of EPSG model to maintain compliance with ISO 19111 (continuation from 2018)

Ongoing maintenance of IOGP's EPSG Geodetic Parameter Dataset

Deliver joint Geomatics and Environment Workshop on the application of Earth Observation data for environmental monitoring and management strategies (Apr 2019, Paris)

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*
- Deliver new *Offshore Infrastructure Survey (GIS) Data Model*
- Develop new *Common Industry Technical Specification for the Calibration & Verification of USBL positioning systems* (pilot project)
- Major revision of P7 wellbore survey data exchange format
- Major revision of GIGS documents and test data sets
- Cooperate with IMCA's Offshore Survey Division on revision of their current and planned guidelines

Business value of Geomatics in the Oil & Gas Sector

Accurate real-time positioning and spatial data acquisition for:

geophysical surveys, rigs, vessels, wells, moorings, infrastructure installation, integrity management and other field operations, late life & decommissioning activities

Operational Efficiency

Reduced operational cost and fewer delays
Infrastructure, wells, seismic, site investigation – positioned where intended
Better SIMOPS management (common, standardized and accurate activity situational awareness)

Accurate GIS, Field and Project Charts, Common Operating Picture and Geospatial Analytics for:

Licences, Seismic, Wellbore, Infrastructure, Geohazards, Environmental, Imagery, Contextual, Cultural, mobile asset tracking and interpreted products

Risk Reduction

Reduced operational risk
Improved emergency response
Compliant with regulatory requirements
Correct legal boundary definitions
Improved spatial integrity during data transfer and manipulation

Business Value

Enhanced, high quality geospatial analytics, better visualisation, better subsurface models

Informed and competitive business decisions – spatially accurate, high quality operations positioning, geospatial data, and maps.

more efficient, lower risk, trusted data

The Health Committee works to

Successfully support the improvement of global health standards and performance in the oil and gas industry by:

- Producing industry guidance on health risk management
- Promoting wellbeing in our workforce and communities we work in
- Informing global policy and external stakeholders proactively and credibly on health and impacts of health due to work in the oil and gas industry
- Collaborating internally and externally to anticipate, assess and respond to health-related issues
- Promoting cross-industry standardisation

Promoting health and wellbeing

Positively impacting the workforce and enhancing human performance at work



Competence of those delivering care

Produce guidance on the required **non-clinical competencies** for industry specific health roles.

Support the set-up of the **Faculty for Remote and Rural Health Care** of the Royal College of Surgeons Edinburgh.

The Faculty will provide syllabi and independent accreditation for training providers and individuals around the globe.



Reports coming soon



Guidance and benchmarking in 2019

- E-learning course on fatigue awareness
- Occupational Hygiene
- Publish *Health leading performance indicators – 2018 data*
- Revise the Health leading performance indicators to align with the revision of Report and update the data entry tool, ready for use to collect 2019 data
- Support the update of the IPIECA/API/IOGP sustainability reporting guidance





Work streams for 2019 and beyond

- Assessment of legislative and regulatory regimes (OSPAR/IMO/OPOL/OSD)
- Examination of IOGP external legal and contractual issues
- Advising IOGP on internal arrangements

Work items for 2019

- Possible interaction with the EU on Hydrocarbons BAT
- Further assess the legal response to climate change
- Assessment of international conventions and regulations

What does the Legal Committee do?

The purpose of the Legal Committee is to investigate legal issues arising from IOGP activities and develop legal positions as an advisory group to IOGP and its committees

2018 Highlights

- Follow up of the development of financial security regulation under the Offshore Safety Directive
- Proposals for amendments to improve EU legislation or further harmonisation efforts, where appropriate
- IOGP contract management procedures review process

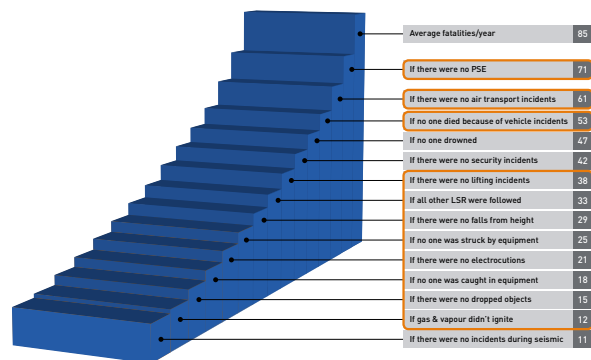
Chair's Message

Our mission is to contribute to safe, sound and sustainable operations with the legal perspective.

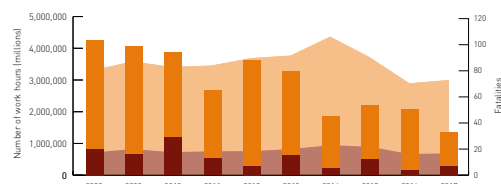


What does the Safety Committee do?

We promote the integration of safety in industry and are focused on eliminating fatalities – we are tackling this one step at a time



Fatalities & work hours in the IOGP database



The majority of our workforce, and of our fatalities, are contractors. Standardisation of safety practices simplifies training, aids compliance and understanding of critical safeguards, and helps transfer of experience and lessons learned.

Members come together on safety practices for fabrication sites

BAKER HUGHES

Baker Hughes, a GE company, is committed to full alignment with IOGP 577. Fabrication site construction safety recommended practices and supports industry-wide adoption as part of the effort to eliminate fatalities from the oil and gas industry.

Jack Welton, Chief HSE Officer Baker Hughes, a GE Company

Equinor

Equinor is supportive to an industry wide adoption of IOGP 577. Fabrication site construction safety recommended practices as a way of establishing minimum safety standards for oil & gas projects.

Terger Rød, Senior Vice President, Head of Project Development

ExxonMobil

ExxonMobil supports IOGP 577. Fabrication site construction safety recommended practices as a way of establishing minimum safety standards for oil & gas projects.

Paul Schuabert, Corporate Safety, Security, Health & Environment Manager

bp

bp Global Projects Organization supports the simplification and standardization of HSE requirements for our industry fabrication and construction contractors. We encourage the adoption of IOGP 577 by our applicable contractors.

David O'Connell, Head of Global Projects, BP

Chevron

Chevron supports the adoption of IOGP 577. Fabrication site construction safety recommended practices and is assessing the most effective way to incorporate the recommended practices into contracting processes and contracts, always maintaining focus on preventing serious injuries and fatalities in fabrication of facilities.

Joe Dregory, President, Chevron Project Resources Company

KOSMOS

Kosmos Energy is supportive of industry wide adoption of IOGP 577. Fabrication site construction safety recommended practices and has commenced the process of adopting IOGP 577 for Shell executed projects.

David Street, Director HSE, Kosmos

Eni

Eni supports industry wide adoption of IOGP 577. Fabrication site construction safety recommended practices and has adopted IOGP 577 in our internal related standards system.

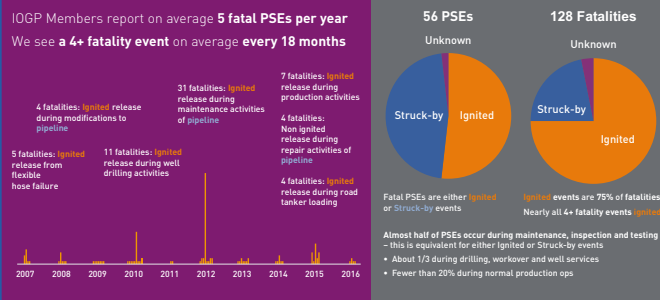
Angelo Lippone, Senior VP, Eni SEGUP

Shell

Shell is supportive of industry wide adoption of IOGP 577. Fabrication site construction safety recommended practices and has commenced the process of adopting IOGP 577 for Shell executed projects.

Markus Droll, Executive VP Projects, Shell

Process Safety – delving deeper into the data to eliminate fatalities



Land Transportation – Push for use of safer vehicles

Implement the 3+1 for no more fatalities on the road

- Three-point seatbelts
- 5-star NCAP rated light vehicles
- Vehicle technology based on risk assessment (e.g. lane departure for tankers)

AND... Visible leadership and commitment to implement IOGP 365

IOGP calls on its Members to purchase, lease or contract new light vehicles that have a **5-star NCAP rating** from the 1st of January 2019 where available in the region of purchase

Key to injury diagrams

Level of protection: GOOD, ACCEPTABLE, MARGINAL, POOR

Safety ★★★★★

Helicopters – working with industry on our focus areas

Aviation focus areas

- Robust aircraft design / system reliability
- Assured flight path
- Effective human and organisational performance
- Targeted technical solutions
- Industry standardisation and compliance



LIFE-SAVING RULES

In 2008-2017, 376 people lost their lives in fatal incidents that might have been prevented by following one of IOGP's Life-Saving Rules.



Bypassing Safety Controls



Confined Space



Driving



Energy Isolation



Hot Work



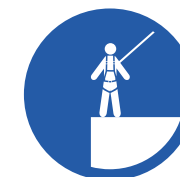
Line of Fire



Safe Mechanical Lifting



Work Authorisation



Working at Height



Check our App



Download supporting materials



Test your Rules knowledge



www.iogp.org/life-savingrules



Top 5 countries for IOGP Security report downloads



Work items for 2019

- Up to date intelligence – Discuss current and emerging Global Threats, what they mean, how to manage the risk they present, and how to combat them
- Project Safira – Security has been ranked as the 5th highest cause of fatalities for the past 8 years. The Security Committee will investigate learnings from these incidents
- Travel Security – Security Committee will consider additional travel recommendations that may be required given the evolving global security threat environment
- Shared Knowledge – Increase sharing of “Lessons Learned” from security incidents within the industry

Chair’s Message

During 2018, the Security Committee focused on how we can learn from previous security events and better share information as a group. We are focused on sharing lessons learned and discussing key security topics.

Sharing experiences and promoting security learnings is one of the key reasons the Security Committee was established; we are committed to collaborative improvement in the industry.

Incident response and travel tracking are increasingly important to companies. As company programs evolve and new technological tools develop, the Security Committee will evaluate these tools and aim to provide Members with the most current information.

What does the Security Committee do?

Security is an essential business partner and key enabler of petrochemical operations in an increasingly volatile world. The oil and gas industry in particular operates in numerous areas where security issues must be considered to ensure continuity of operations.

The Security Committee takes a holistic approach to security and considers information, personnel, and physical security to be equally important, and provides best practice guidance for comprehensive security management across the industry.

The world is changing rapidly, and new threats are emerging in areas of the world previously considered stable and safe. The work of the Security Committee is more important now than ever.

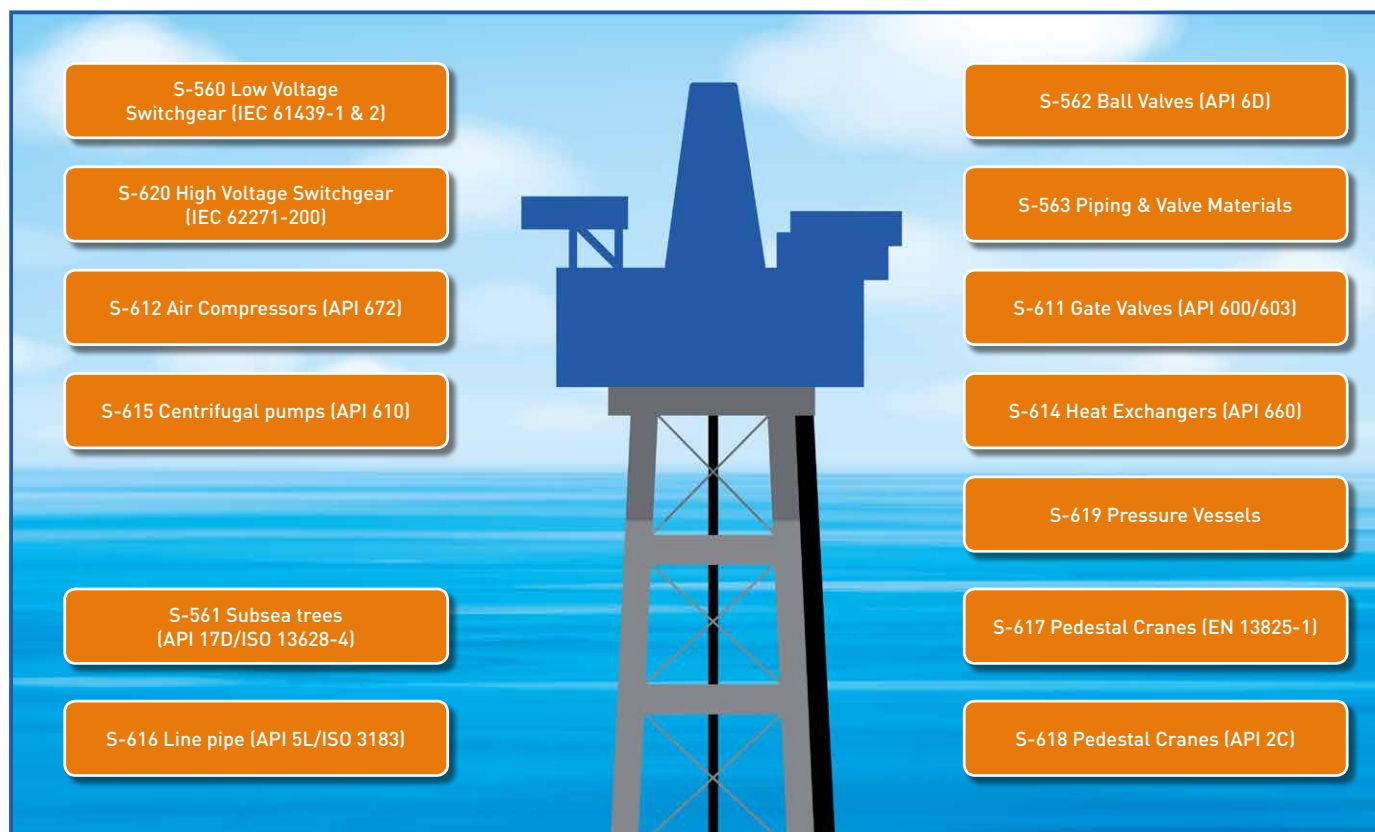
2018 Highlights

The IOGP Security Committee equally considers the importance of information, personnel and physical security and is there to provide advice and the best practice guidance to the energy industry.

In 2018, the Security Committee was proud to deliver a number of work products that provided value for members and the industry:

- API-IOGP Cybersecurity Europe Conference, June 2018
- Insider Threats Mitigation Guideline
- Sharing experiences and promoting security learnings
- Video: Security Committee promotional video





2018 Highlights

- Engineering Leadership Council created and actively engaged
- JIP33 Phase 2 progress to deliver another 12 common specifications
- Offshore Structures Joint specification work push on
- Standards Solution add more work items and delivers new draft ISO standards
- Revision of IEC 61892-series near completion
- Guidelines on system architectures and security for remote controls published
- Operators position and key messages on standards maintained
- Operators Preferred Standards Task Force ongoing
- Requirements Digitalisation TF established
- MOU with Unified Bulk JIP established
- Proposed to bring CFIHOS under IOGP
- JIP33 Scale Up plans agreed

What does the Standards Committee do?

IOGP Standards Committee supports the development of international standards for our industry, identifies areas where new standards are required and works with standards bodies and regulators globally.

Through JIP33, we will provide harmonised IOGP equipment specifications for procurement aimed at replacing operating company members own company specifications.

Operates the Standards Solution, which provides a legally compliant platform for international standards to be developed.

Supports 7 subcommittees, several joint industry projects and task forces.

Work items for 2019

- Step up JIP33 to deliver 40-50 more joint specifications by 2020
- Work with WEF, CEOs and engineering leaders to implement a cultural change
- Work with operating companies to adopt joint specifications
- 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

Work streams for 2019 and beyond

- Continue JIP33 work
- Provide Engineering Leadership
- Support International Standards development
- Maintain Standards Solution
- Push for alignment on preferred standards
- Maintain close communication with Standards Organisations
- Network to build excellence
- Experts experience sharing
- Digitising requirements

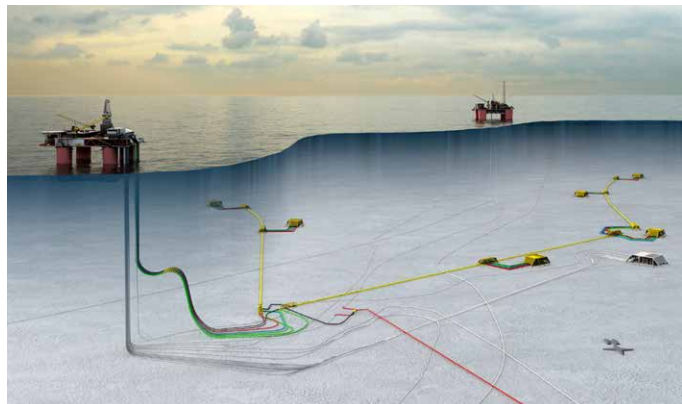


Photo: © Equinor

2018 Highlights

The Subsea Committee continues to be a unique forum that helps member companies to have an open and constructive dialogue on the diverse challenges, issues and opportunities associated with the committee's objectives.

The Committee continues to further industrialise and standardise Subsea Systems, through technical collaboration within the industry, to deliver significantly lower CAPEX and improved lead time for Subsea Production Systems. This will be achieved through promoting standard configurations, elements, processes, and industry standards. Inherent in this work is to maintain or enhance HSE performance and increased quality to deliver improved reliability and availability. The Committee has also been updating/revising XT documents and XT Top-Down specifications as part of JIP33 Phase 2.

The newly formed Flexible Pipe Subcommittee will provide 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. The subcommittee has been working on a Guideline for the Life Extension of Unbonded Flexible Pipe, to be published at the end of 2018, which will establish an industry standard approach for the service life assessment and life time extension of unbonded flexible pipeline and risers.

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

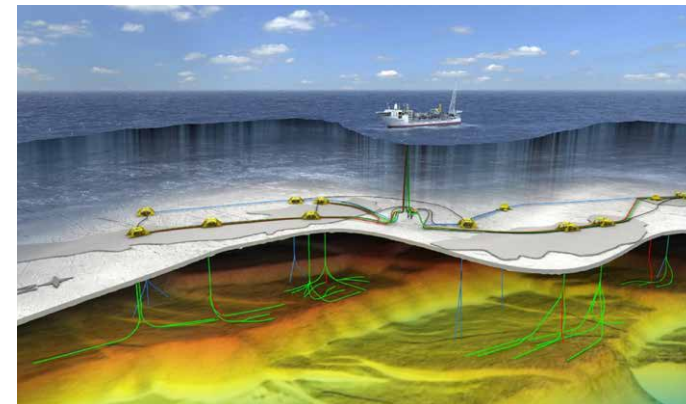


Photo: © Equinor

Work items for 2019

- Flexible Pipe Subcommittee – Working on applying a life extension guideline for subsea flexible pipe and implementing a proactive approach to reporting and learning from global incidents and failures of flexible pipe systems.
- Data Gathering Project – Continue to gather industry data on subsea installation and system failures to try and identify any common themes or trends.
- HSE lessons learned database – Set up a database for capturing the lessons learned and take measures to prevent and mitigate.

Work streams for 2019 and beyond

The Committee will continue to work to achieve sustainable changes and improvements in the industry 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. Plans are being developed to focus the subcommittee's efforts and achieve objectives on standardisation and technology qualifications.

The Subsea Committee is also considering projects that may extend the life of subsea production assets, which would have benefits for safety, asset integrity, and efficiency.

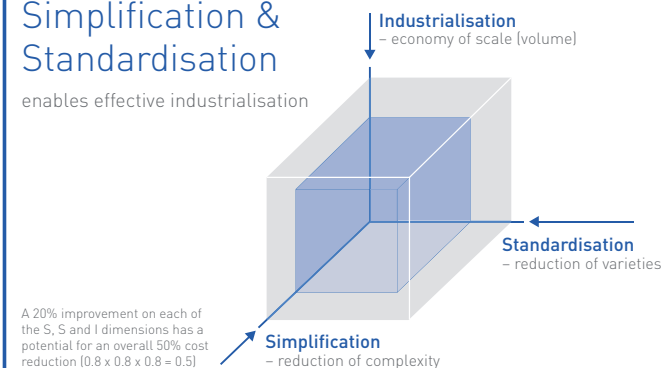
Chair's message

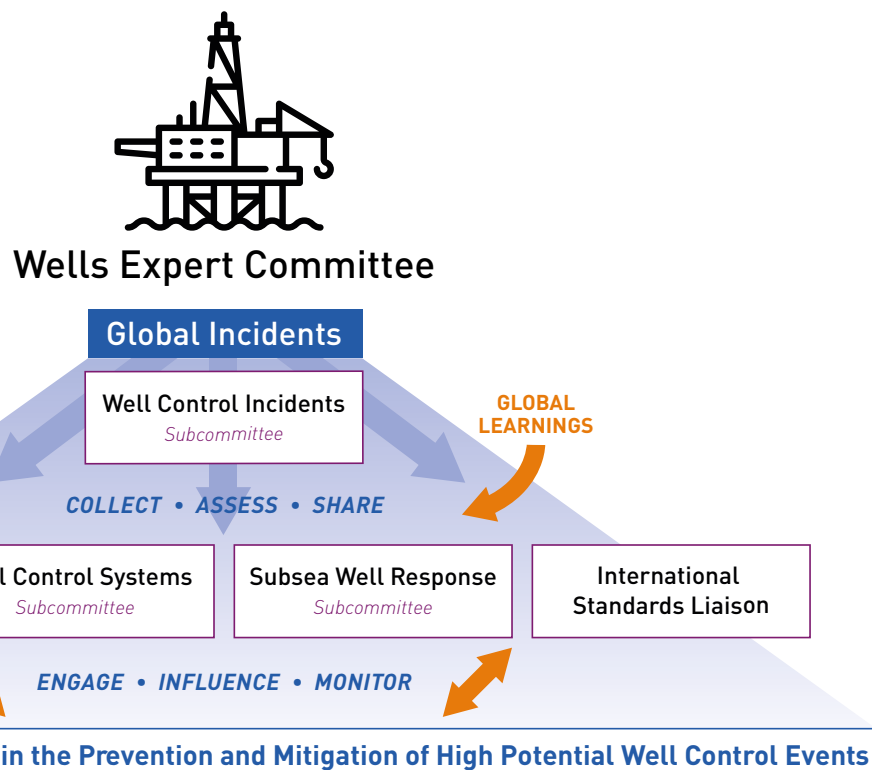
As the subsea industry recovers from the latest recession, it is apparent that the steps taken within simplification, standardisation and industrialisation have cut costs and laid the foundation for sustainable value creation. This has been possible even while maintaining and strengthening the high environmental, health and safety standard.

It is now time to look ahead – collaborating across the industry – to further strengthen the capabilities both for safe operation of an ageing installed base and for enabling frontier developments – increased recovery, high pressures, great depths, and remote areas.

Simplification & Standardisation

enables effective industrialisation





Work items for 2019

Well Control Incidents Subcommittee

- Collect, categorise, and analyse well control incident data and reports and to identify trends or changes, and to make recommendations to the WEC
- Joint effort with CTSC on the development of training material

Competency and Training Subcommittee

- Competency Assessment for Safety Critical Roles
- Well Control Event Videos
- Review Lessons Learned from WCI data base
- Well Control Training – Biennial Review and update for IOGP 476

Well Control Systems Subcommittee

- Subsea BOP Technician Credentialing
- Continued Monitoring of WCI & BOP JIP issues for Lessons Learnt
- Outline plans for Early Kick Detection Technology Review

Subsea Well Response Subcommittee

- Collect and catalogue information about Table Tops and practical stack deployment exercises
- Ongoing monitoring of industry state of readiness for well source control incidents
- Source Control Risk Gap Analysis

Well International Standards Liaison

- Maintain contact between WEC and Standards Committee
- Follow up ongoing work in API and ISO
- Update the list of well control and well integrity standards

What does the Wells Expert Committee do?

The WEC aims to be the global voice of 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.

2018 Highlights

In 2018, the WEC was proud to deliver a number of work products that provide value for members and the industry:

- Report 503 – The use of behavioural markers of non-technical skills in oil and gas operations: Supporting material
- Report 485 – New list of standards and guidelines for Well Integrity and Well Control
- Report 594 – Source Control Emergency Response Planning Guide for Subsea Wells
- Report 622 – Considerations for Time to Shear Tubulars in a BOP
- Response to Mud Gas Separator GIRG Report Recommendations
- 2 Videos – WCI Alert video and a Competency Video to illustrate learning themes

Chair's Message

Despite the cyclical nature of well construction activity in our industry, Operators have demonstrated commitment, through their continued and robust participation, to the WEC's objective of preventing and mitigating high consequence well control events.

Our strategy of collecting and assessing global learnings and incidents to inform the efforts of our subcommittees remains unchanged.

In the coming year, the WEC is positioned to facilitate industry sharing and deliver a number of valuable work products while maintaining the agility to adapt to the evolving needs of IOGP membership and the industry. The WEC is an exciting place to be!

Registered Office

City Tower
40 Basinghall Street
14th Floor
London EC2V 5DE
United Kingdom

T +44 (0)20 3763 9700
F +44 (0)20 3763 9701
reception@iogp.org

Brussels Office

Bd du Souverain, 165
4th Floor
B-1160 Brussels
Belgium

T +32 (0)2 566 9150
F +32 (0)2 566 9159
reception@iogp.org

Houston Office

16225 Park Ten Place
Suite 500
Houston, Texas 77084
United States

T +1 (713) 338 3494
reception@iogp.org