



# Survey QAQC Sub-Committee Update

Phil Harbidge  
PathControl.com



Phil HARBIDGE - PathControl, General Manager - Kuala Lumpur  
20 years Wellbore Positioning  
Well Placement, CA, Risk Assessment, Survey QAQC & Optimization  
ISCWSA Webmaster and QAQC Sub-committee Chair

Work : **PathControl :**      **Intercept, Relief Well Advanced Survey Management**


Worked :

**Civil Engineer, Marine Surveyor**

**Sperry-Sun, Baker Hughes INTEQ and Schlumberger:      DD Service Companies**



# API RP-78 Documents Project

- GYRO – 5<sup>th</sup> meeting 2019 ready for issue to API RP-78
- DEPTH – 9<sup>th</sup> meeting 29<sup>th</sup> April 2020 final review
- MWD – Editing phase
  - 10<sup>th</sup> meeting Wed 6<sup>th</sup> May 2020 Calibration ←  → Error Model
  - 11<sup>th</sup> meeting Fri 8<sup>th</sup> May 2020
  - 12<sup>th</sup> meeting June 2020
- Directional Survey Records (DSR) API RP-78 2017 rev doc
  - Survey Records “SOP” for all three documents worked on
    - Currently 9 pages – reduction to 3-4 pages where possible



# ISCWSA E-Book Project Update

DEPTH – Documents

GYRO – Documents

MWD – Documents

QAQC Minimum requirements document to verify and validate any survey

API-RP 78 Directional Survey Records (DSR)

**Start work August 2020  
– Plan first Draft March 2021 (ISC#52 or earlier)**



Joint Venture Opportunity

DSATS DUPTS WBPTS QAQC SC

Standardize the industry  
Drilling Data Quality  
Drilling Data Uncertainty

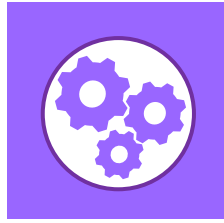


## Thank you to the volunteers

Manufacturer & Calibration Experts: BenchTree, Scientific Drilling, Halliburton, Gyrodata, Schlumberger, Baker Hughes, Weatherford and JAE

Operator Experts: Chevron, Oxy, ConocoPhillips, BP, Total, Devon Energy, ExxonMobil ....

Service Company Experts: Halliburton, Baker Hughes, Schlumberger, Weatherford, Depth Solutions, Mostar Drilling, SuperiorQC, Independent Consultants, EOG Resources, PathControl....



# Questions







## Webmaster Update





# ISCWSA.net Update

| TOP 5 PAGES                                                                       |                |
|-----------------------------------------------------------------------------------|----------------|
| Pages                                                                             | 30 Day Traffic |
| <a href="#">e-books</a>                                                           | 637            |
| <a href="#">Error Model Documentation</a>                                         | 146            |
| <a href="#">General Meeting Minutes</a>                                           | 137            |
| <a href="#">About The Industry Steering Committee on Wellbore Survey Accuracy</a> | 88             |
| <a href="#">Video Library</a>                                                     | 86             |
|                                                                                   | 55             |

<https://www.spe.org/en/members/transition/>



The screenshot shows the top navigation bar of the SPE website. On the left is the SPE International logo with the text "Society of Petroleum Engineers". In the center, it says "Welcome Philip! Profile". On the right, there is a search bar with "ENHANCED BY Google" and a "Research Portal" link. Below the navigation is a large banner with the title "Members in Transition Toolkit" and the text: "Through every industry cycle, SPE is steady and supportive. This toolkit provides information, resources, and programs to assist you during the current downturn."



Optimize Your Search



Develop Your Network



Enhance Your Skills

### SPE Provides Support During Industry Downturn

CEO and Executive Vice President Mark Rubin highlights how SPE is helping members. Watch his video message to members.



### Thrive in a Downturn

These extraordinary times have already shown us how we, as members of the industry and citizens of the world, are resilient and flexible in the face of uncertainty.

### Access SPE Community Resources

Industry professionals from around the globe can connect with their community, share industry knowledge, and network during a downturn. Login to SPE Connect

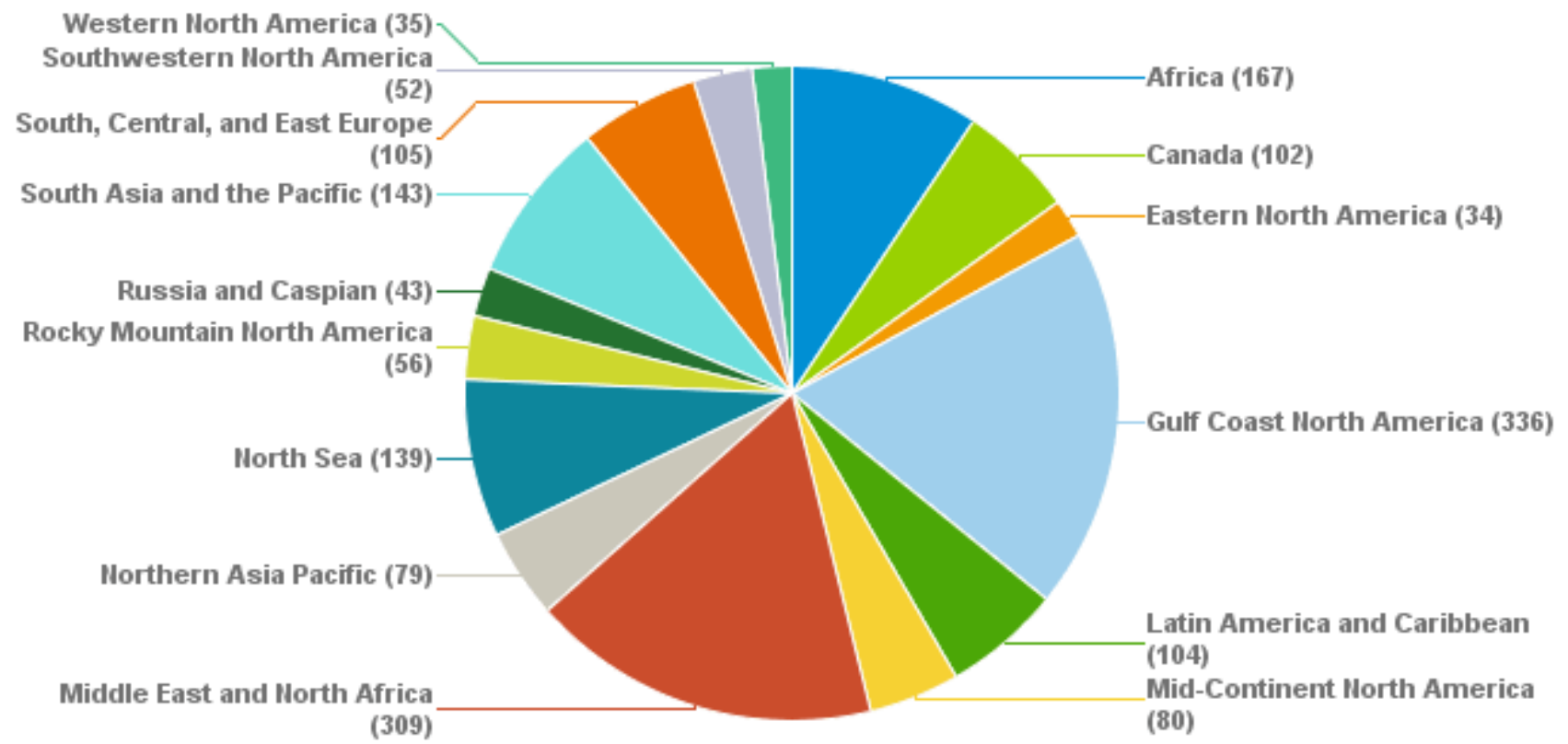
### Industry Veterans Give Insight

Experts C. Susan Howes and the late J. Roger Hiteshare their insights as



# SPE.org Webmaster Update

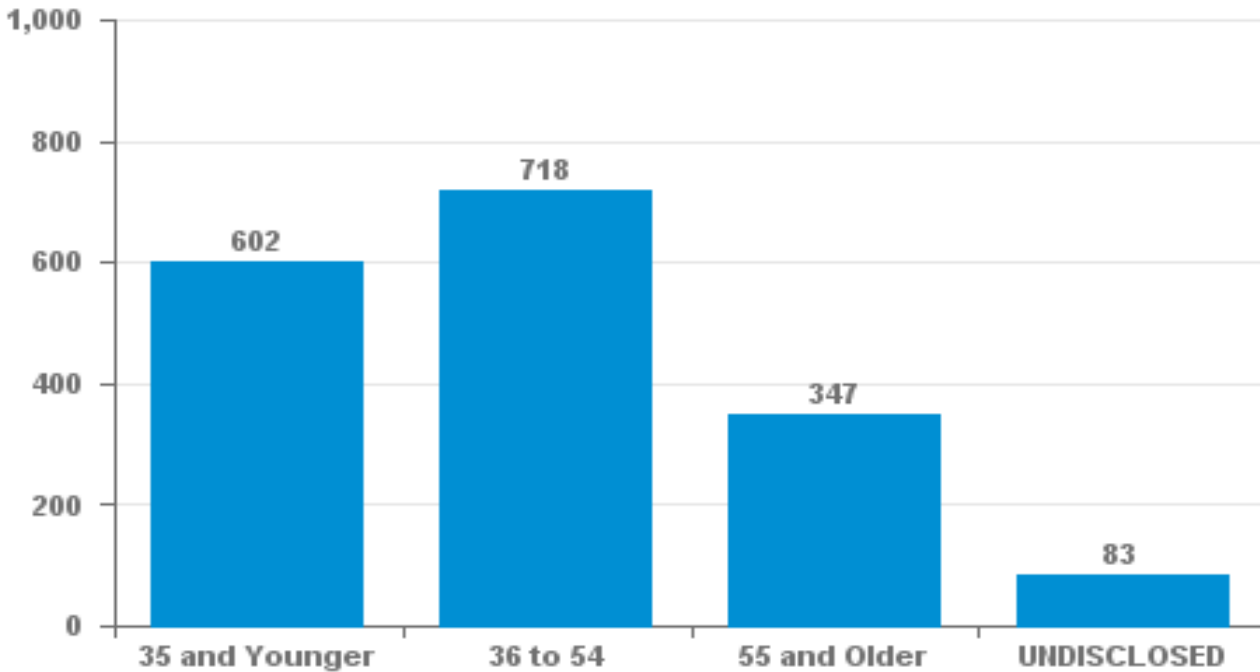
## Active Professional Members By Region: 1,784



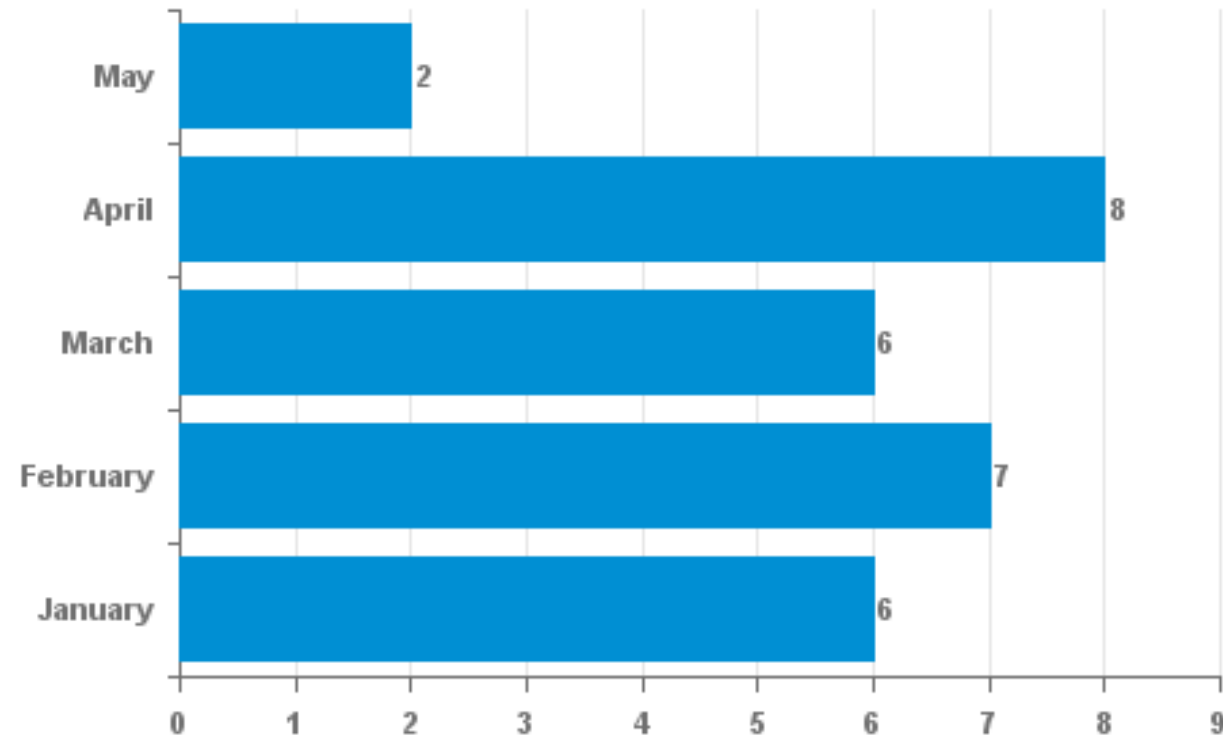


## Active Professional Members: 1,784

### Professional Members by Age Group

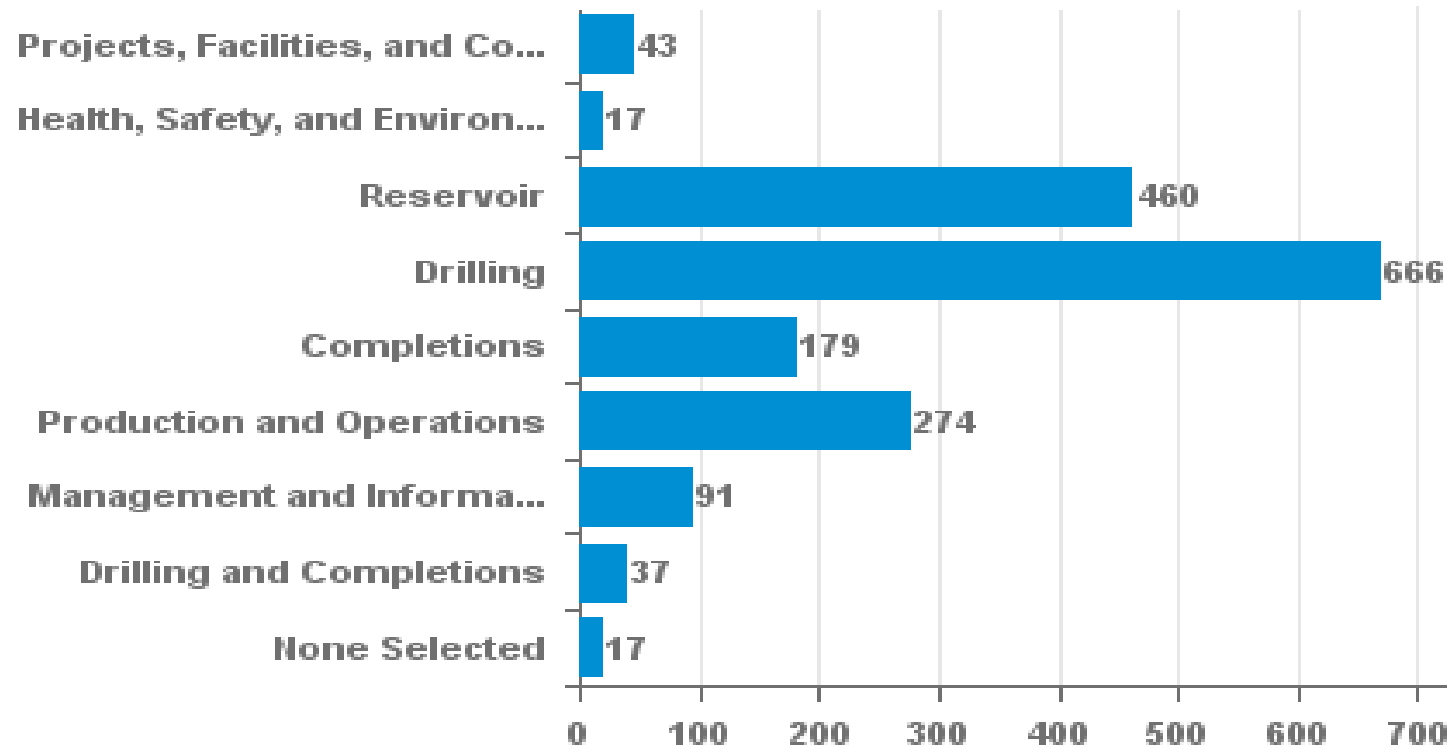


### New Professional Members by Month





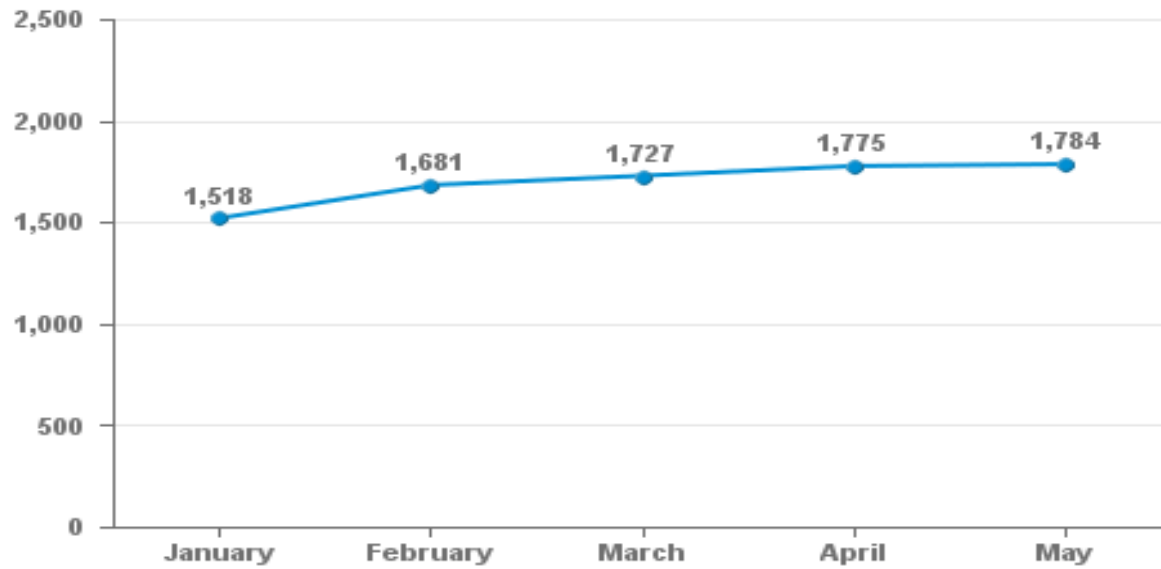
## Professional Members By Technical Discipline



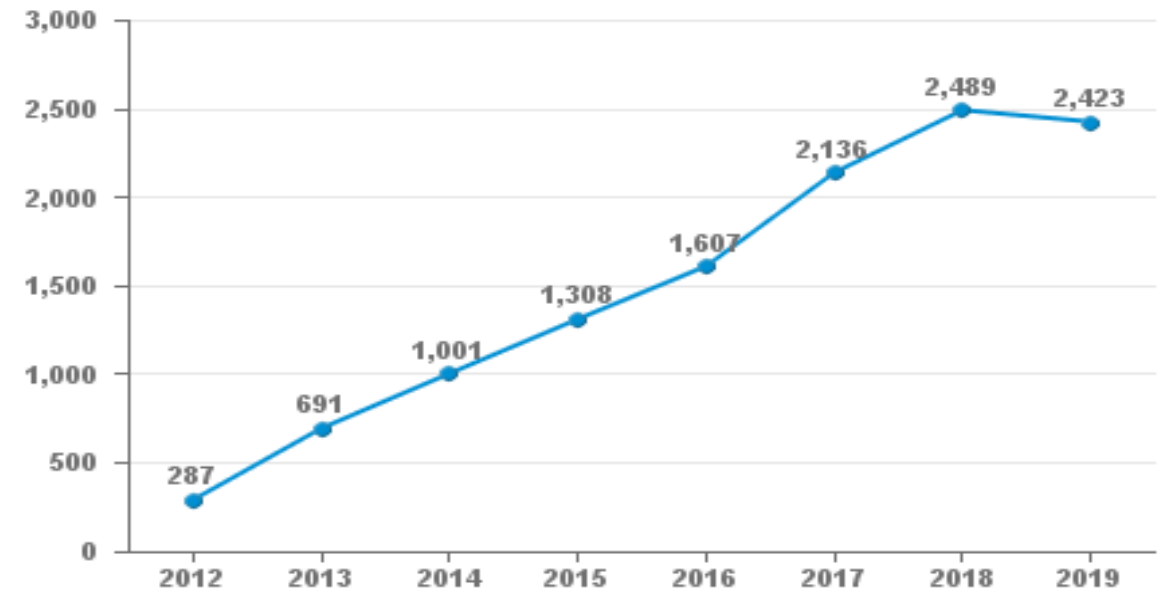


## Active Professional Members: 1,784

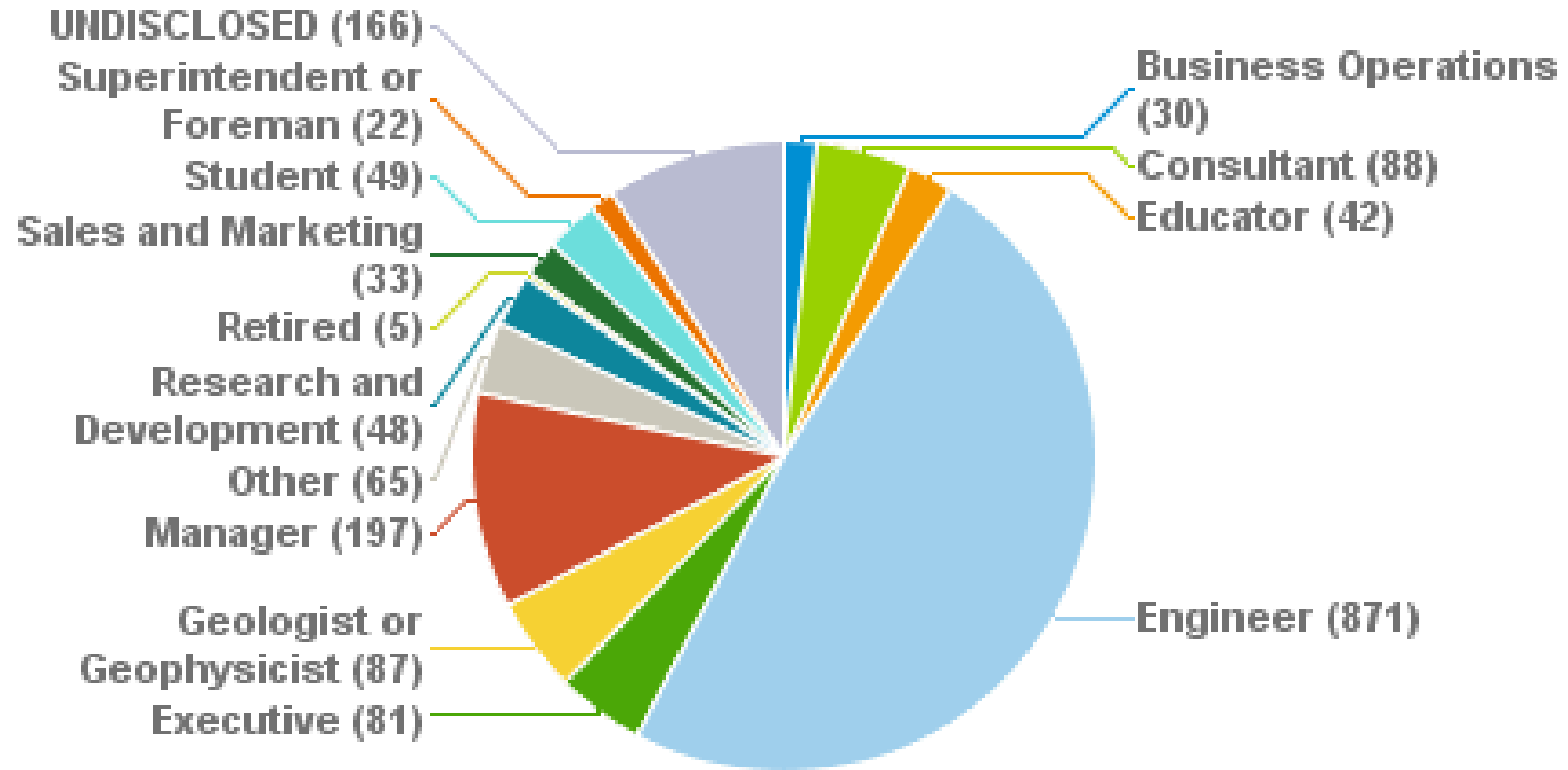
### Professional Members by Month



### Professional Members by Year

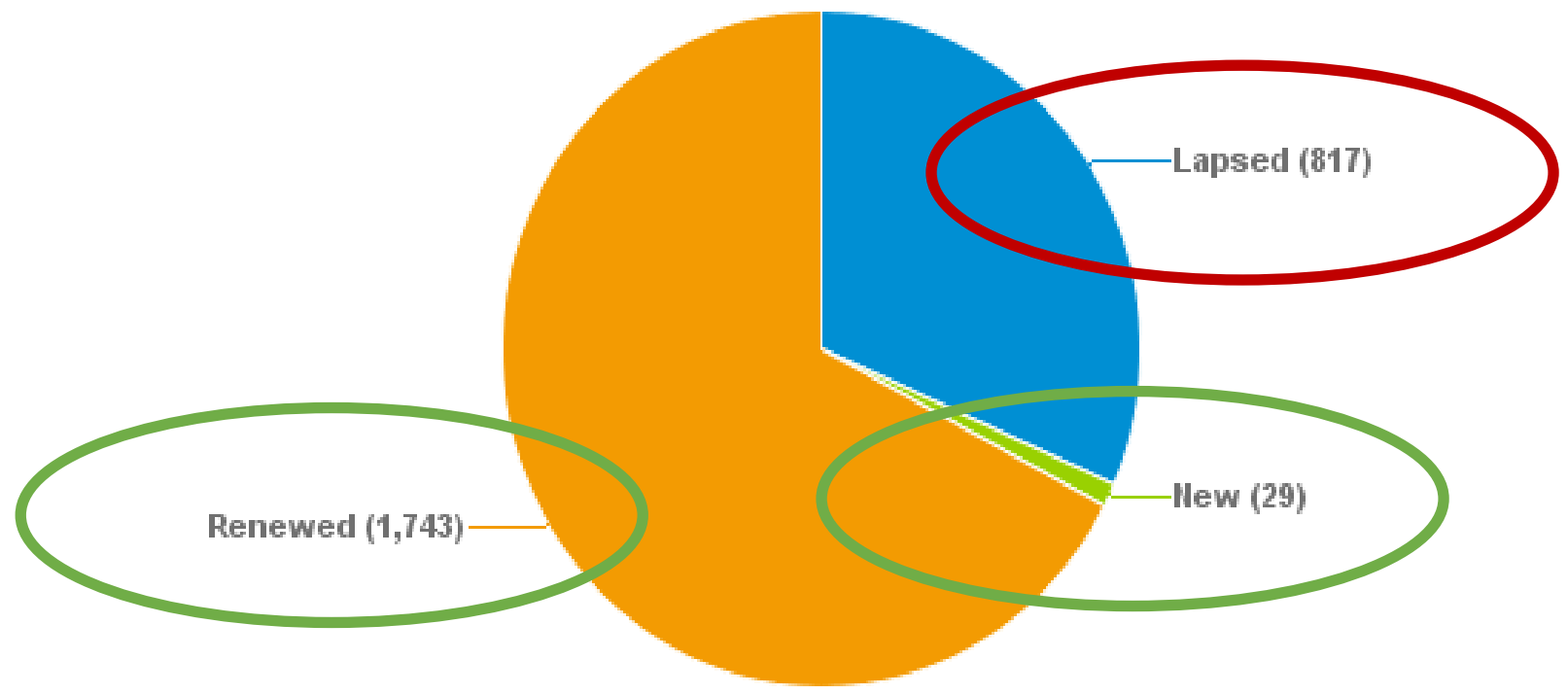


### Professionals By Job Classification





## Professionals Membership






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# Explore

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@iscwsaSPEWBPTS

Our Mission Statement "The primary aim of this group is to produce and maintain standards for the industry relating to wellbore survey accuracy."

Abdeen, Scotland iscwsa.net Joined February 2015

5 Following 12 Followers

Tweets Tweets & replies Media Likes


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Dear Crew Manager! - Get better crew management software and make your job easier! Ad ...



Philip Harbidge  
Joined group: Jan 2013


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- # iscwsa
- Class time with Neil Armstr...



ISCWSA Petroleum Industry Steering Committee  
on Wellbore Survey Accuracy

1,820 members  
Including AnaS SIKAL and 168 other connections



Invite connections

See all



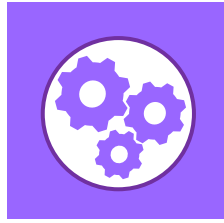
Thank you

Tendenci

ISCWSA Committee

Sub-Committee Chairs

All Members supported and participated in the new website



# Questions