

IFRF Quarterly Progress Report (QPR) – Q4 2018

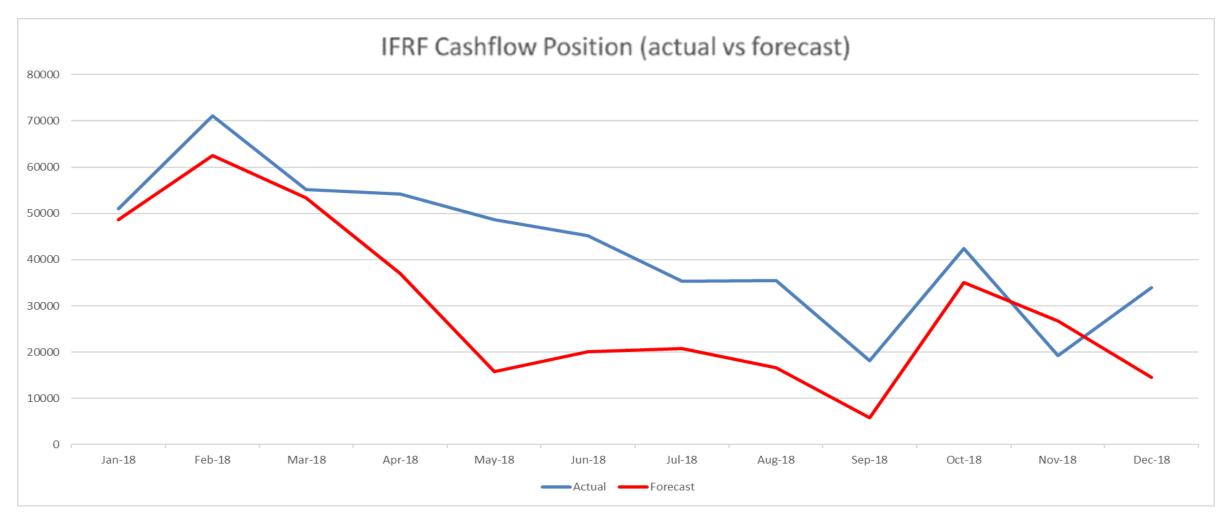
- 1. Finance
- 2. Membership
- 3. Communications
- 4. National Committee update
- 5. Future TOTeMs
- 6. Other meetings attended by IFRF
- 7. New website and CRM database
- 8. Marketing
- 9. Member and general enquiries

- 10. Industrial Combustion Journal
- 11. 70th anniversary
- 12. IFRF Ltd matters
- 13. Other activities





IFRF QPR Q4: 1. Finance – forecast and financial plans



- CF exceptional contribution and CF 2018 membership received in October/November respectively
- AFRC and NVV 2019 membership fees received in December 2018
- CI 2018 membership anticipated in January 2019

120 member organisations

- 3 down from Q3 2018
- Same as Q4 2017

Includes:

- Large industry = 47
- Small industry = 28
- Academia = 45

9 individual members

- 4 up from Q3 2018
- 3 up from Q4 2017



KPI for end of 2019 = 130 member organisations

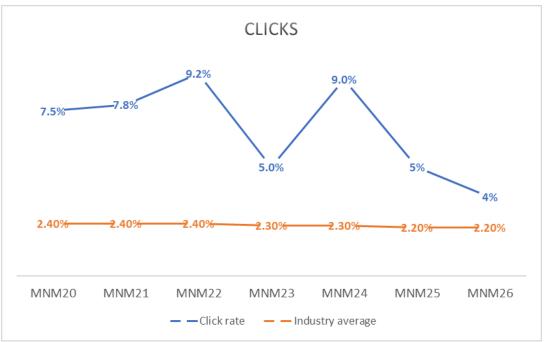


MNM - Monday Night Mail (1/5)

7 MNMs published in Q4







MNM - Monday Night Mail (2/5) Average successful deliveries in 2018 = 1120





MNM - Monday Night Mail (3/5) Average open rate in 2018 = 24%



MNM - Monday Night Mail (4/5) Average click rate in 2018 = 7.23%





MNM - Monday Night Mail (5/5)

Issue	1 st Most read article	2 nd Most read article	3 rd Most read article
MNM20	Industrial Combustion Journal - paper published!	'Green' and 'blue' hydrogen for a low- carbon European economy?	COMBURA Symposium – programme published!
MNM21	New IFRF website	9 th Finnish Flame Day: Programme published!	Reigniting the 1960s
MNM22	Infradex video: Candle flame	Member survey	9 th Finnish Flame Day – 'IX Liekkipäivä
MNM23	Reigniting the 1950s	IEA chief worried about emissions trajectory of new Asian coal-fired power plants	RJM International wins contract
MNM24	Hydrogen: the great game-changer?	Reigniting 1948 – six former and current IFRF staff look at the Foundation's foundations	RJM International completes latest ultra- low NOx CleanAir Burner™ project
MNM25	Tokyo Institute of Technology researchers develop method for reduction of CO ₂ from flue gases	Back to the Future	WEO 2018: a high-stakes story set in uncertain times
MNM26	Hydrogen: so what's the use?	IFRF At 70 booklet	IFRF at 70: Special messages from our supporters



Social media (1/5)



Oct 2018 • 31 days

TWEET HIGHLIGHTS

Top Tweet earned 717 impressions

Anders Brink @aboakademi looks at fate of ash-forming materials in Bio-CLC system, and are bed materials prone to agglomeration if biomass is present. Fuels with K and Cl most problematic (most!) and biomass-induced corrosion also an issue - may need O2 polishing. #liekkipaiva18

Tweets

21.7K

Tweet impressions

Profile visits 608

Mentions 5

New followers

12

Followers: 229

Nov 2018 • 30 days

TWEET HIGHLIGHTS

Top Tweet earned 1,498 impressions

*1948 – 2018: Expanding Knowledge –
Advancing Together*
While adapting to the ever-changing
landscape, IFRF has consistently proved its
value as an asset to the world's combustion
community. This publication tells that
remarkable story. bit.ly/2PGJM1B
#IFRFAt70 pic.twitter.com/82qSJaKlxq

Tweets

Tweet impressions

Profile visits

Mentions 3

New followers

Followers: 232

Dec 2018 • 31 days

TWEET HIGHLIGHTS

Top Tweet earned 194 impressions

For the final installment of our #ReignitingThe... blog, (in the words of Doctor Emmett Brown) "we're sending you back to the future!". See the future plans for IFRF and how you can be a part of it. bit.ly/2Qrnnpo #IFRFAt70

17 6

Profile visits

6,981

Mentions

New followers

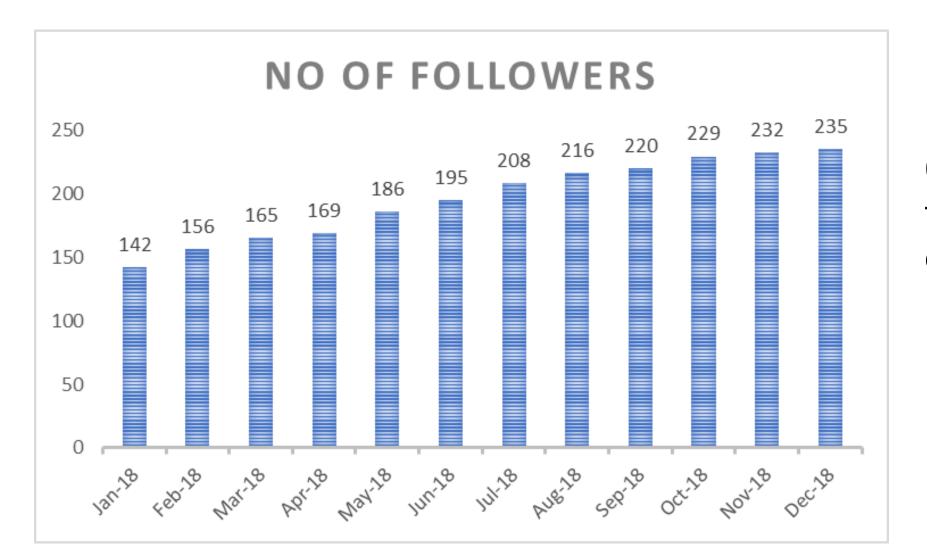
3

Followers: 235



Social media (2/5)





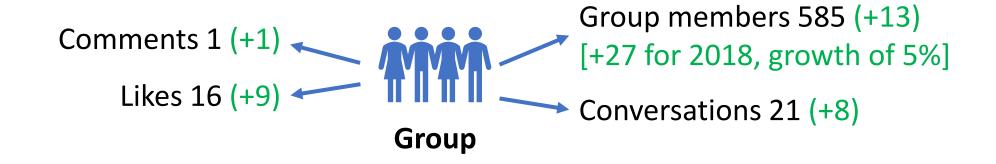
65% growth in following since start of 2018



Social media (3/5)





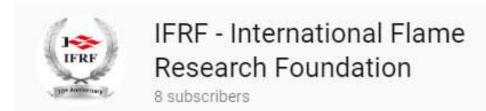




You Tube

Social media (4/5)

- 10 Subscribers (+2)
- 125 Views (+67)
- 68 Total watch time* minutes (-10)
- 550 Impressions (+387)
- 11.2% Impressions click-through-rate[^] (-5.4)
- 1:39 Average watch time minutes (+0:19)



HOME

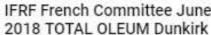
VIDEOS

PLAYLISTS

CHANNELS

Uploads PLAY ALL





5:25

: IFRF 2018 Conference

181 views • 4 months ago

21 views • 3 months ago

^{*}total amount of time IFRF videos were watched

^Percentage of users who clicked to view after seeing IFRF videos on
their timeline



Social media (5/5)

- WeChat the social media platform used in China
- WeChat group Chinese Flame Research Committee
 - 15 members
- 20 contacts (no change)
- Intend to set up WeChat group for all IFRF members on WeChat







IFRF QPR Q4: 4. National Committees update

AFRC

 2019 membership fees paid in December 2018

BFRC

Represented at meeting of UK combustion-related organisations on 30th October

CF

- 2018 Membership fees and exception contribution paid
- General Meeting 29th November

C

- Meeting held 5th October 2018
- 2018 Membership fees paid in December 2018

DVV

- General meeting held 15th November 2018
- 2019 membership fees paid in December 2018

FFRC

- Finnish Flame Day held 23rd October 2018
- Discussions held regarding Nordic Flame Days 2019

NVV

- Held COMBURA Symposium on 10th October
- Letter from King of Netherlands regarding #IFRFAt70

SFRC

General meeting held 8th
 November 2018

AMG

North China Electrical Power
 University became member
 in December 2018

KPI for end of 2019 = 9 National Committees



IFRF QPR Q4: 5. Future TOTeMs

Potential future TOTeM topics for 2019:

- Scaling of R&D rigs
 - Topic generated from Nordic Flame Day 2017
- AFRC and APIs work on standards for process heaters and flares
 - Topic generated from AFRC Symposium 2017
 - People keen on TOTeM outside of Europe
- Hydrogen and ammonia as energy vectors impact on combustion
 - Topic generated from TOTeM45
- Energy-from-Waste (thermal processes, advanced thermal processes & biological processes relevant to IFRF)
 - Topic generated from MNM series on EfW







IFRF QPR Q4: 6. Other meetings attended by IFRF

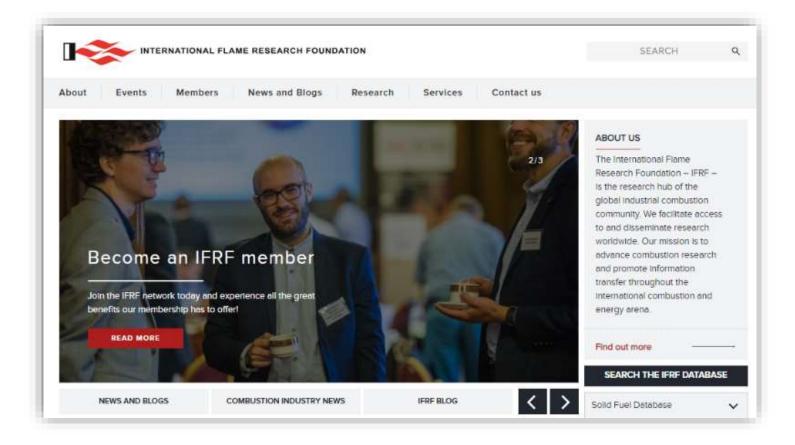
- Meeting with leadership team of proposed new Centre for Doctoral Training at University of Nottingham (Nottingham, UK)
- Organised and attended meeting of various UK combustion-related organisations to discuss cooperative activities and comms (Ratcliffe-on-Soar, UK)
- Industry Supervisor meetings with three UoS-based students at the current CCS & Clean Fossil Energy Centre for Doctoral Training (Sheffield, UK)





IFRF QPR Q4: 7. New website and CRM database

- New website launched 11th October 2018
- IVIN support withdrawn 31st October 2018
- CRM database under development for launch in Q1 2019





IFRF QPR Q4: 8. Marketing

 'IFRF At 70' e-brochure published (compilation of 'Reigniting the [decade]' blogs, 'congratulatory messages' and gallery of IFRF 2018 Conference) e-published











IFRF QPR Q4: 9. Member and general enquiries

Type of enquiries:

- MNM subscriptions
- Logo requests
- Library access
- Website logins
- Journal enquiries

1 Library requests*:

- TU Chalmers (1)
- *Down 4 from Q3





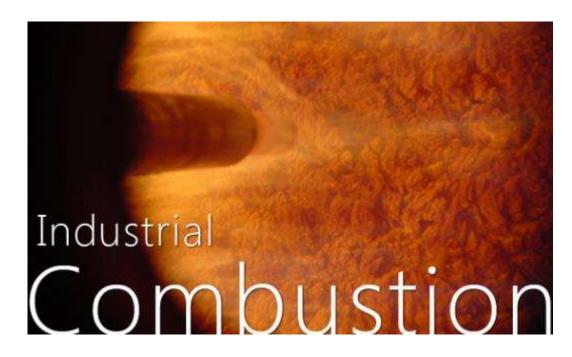
IFRF QPR Q4: 10. Industrial Combustion Journal

2 papers published in Q4 (year to date = 3)

- 'Experimental and Numerical Investigations of Ash Behaviour in Fixed-Bed Combustion of Woody Biomass Pellets' Henrik Ström, TU Chalmers
- 'Exhaust Gas Recycling for Enhanced CO₂ Capture:
 Experimental and CFD Studies on a Micro-Gas Turbine'
 Karen Finney, University of Sheffield, UK

Pipeline

- Sathyabama Uuniversity, India
- Department of Mechanical Engineering, Amity University Uttar Pradesh, Noida, India
- Department of Mechanical Engineering, LPU, Punjab, India
- Department of Mechanical Engineering, JNTUA, India



- Empresa Colombiana de Petróleos-Ecopetrol,
 Center of Innovation and Technology-ICP, Colombia
- Angang Steel Co., China
- MLR Institute of Technology, India
- National Institute of Technology Karnataka, Surathkal



IFRF QPR Q4: 11. 70th anniversary

- 'IFRF At 70' e-brochure prepared and published
- 'Congratulatory messages' (14) received from: (16 in total)
 - King of Netherlands
 - Lord Mayor of Sheffield
 - Paul Blomfield MP (Member of Parliament for Sheffield Central)
 - Prof Mike Hounslow, Vice-President and Head of Faculty of Engineering, UoS
 - Energy 2050 / PACT
 - Combustion Institute

- APGTF
- IChemE
- BF2RA
- UKCCSRC
- EPSRC's CCS and Clean Fossil
 Energy Centre for Doctoral
 Training
- EUA
- FERF
- IOP







IFRF QPR Q4: 12. IFRF Ltd matters

- ExCo meeting held 20th November (virtual)
- Council meeting held 4th December (virtual)
- Draft Strategic Review (2018) and Three-Year Plan (2019-2021) prepared for Council meeting
- LLM:
 - Discussions held with SFRC and AFRC
 - > SFRC saw no compelling reason to become an LLM
 - > AFRC chair to summarise points raised regarding becoming an LLM
 - Total LLMs currently = 3

