

# Young Generation Network in radiation protection & social media

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*on behalf of the IRPA YGN Leadership Committee*





- No meeting for real since the foundation
- “Forerunner” in **remote meeting** but many practical difficulties at the time (2018~2020)
- **Blog** (thanks to EUTERP) but its usage not clear vs. traditional website and e-mails
- No vision when/where the IRPA YGN can actually meet ...

Represented in the IRPA  
YGN Leadership Committee





**IRPA YGN AND SOCIAL MEDIA**

The IRPA YGN is proposing a questionnaire on usage of social media by the young generation in radiation protection and their networks. A focus is given to the topic of education and training, with actions addressed to the younger/next generation and the impacts of the COVID-19 pandemic.

ACCESS THE SURVEY  
<https://bit.ly/2NxJj1i>

SURVEY CLOSE:  
**21 FEBRUARY 2021**

PARTICIPATION LEAD TO ENTER TO A CHANCE TO WIN ON THE RAFFLE!

The IRPA Young Generation Network is an international network of "Young Professionals" across the field of Radiation Protection. Its primary function is to promote communication, collaboration and professional development of Experts and Young Professionals in the area of Radiation Protection and related fields.

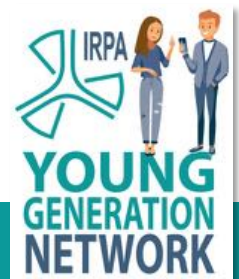
<http://www.irpa.org> [www.ygn.irpa.org](http://www.ygn.irpa.org)

## Key points

1. Survey on the usage of social media by the young generation in radiation protection and the impacts of the Covid-19 pandemic in the field of E&T
2. Presentation of the early results
3. Focus on YGN experiences
  - J-SEPR (Spain)
  - SAR-JOVEN (Argentina)
  - YRA of JHPS (Japan)



# PART 1: YOU/YOUR NETWORK

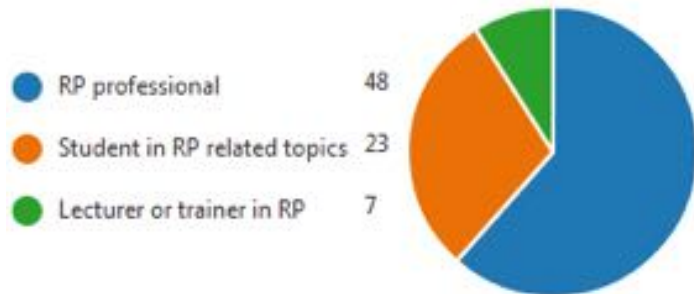




# Information about the N=78 participants

- Answers from 13 countries/4 regions
- Individual 65; YGN: 13
- Individuals: Gender: 29 F ~ 36 M ; Average age: 40 (23 ~ 49)
- YGN: As related to IRPA: 9; Others (ex. local network): 3

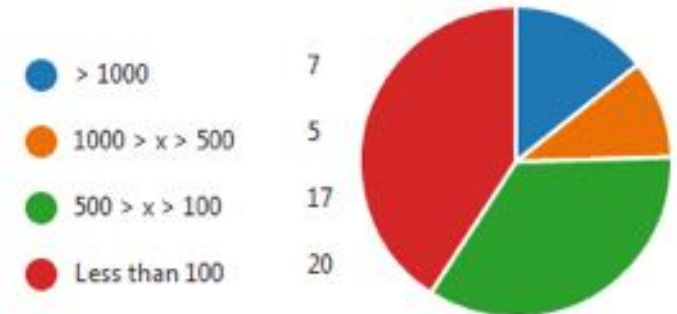
Activity



Main sector



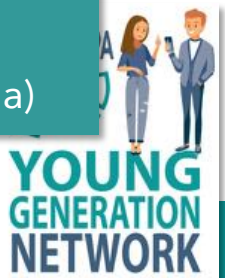
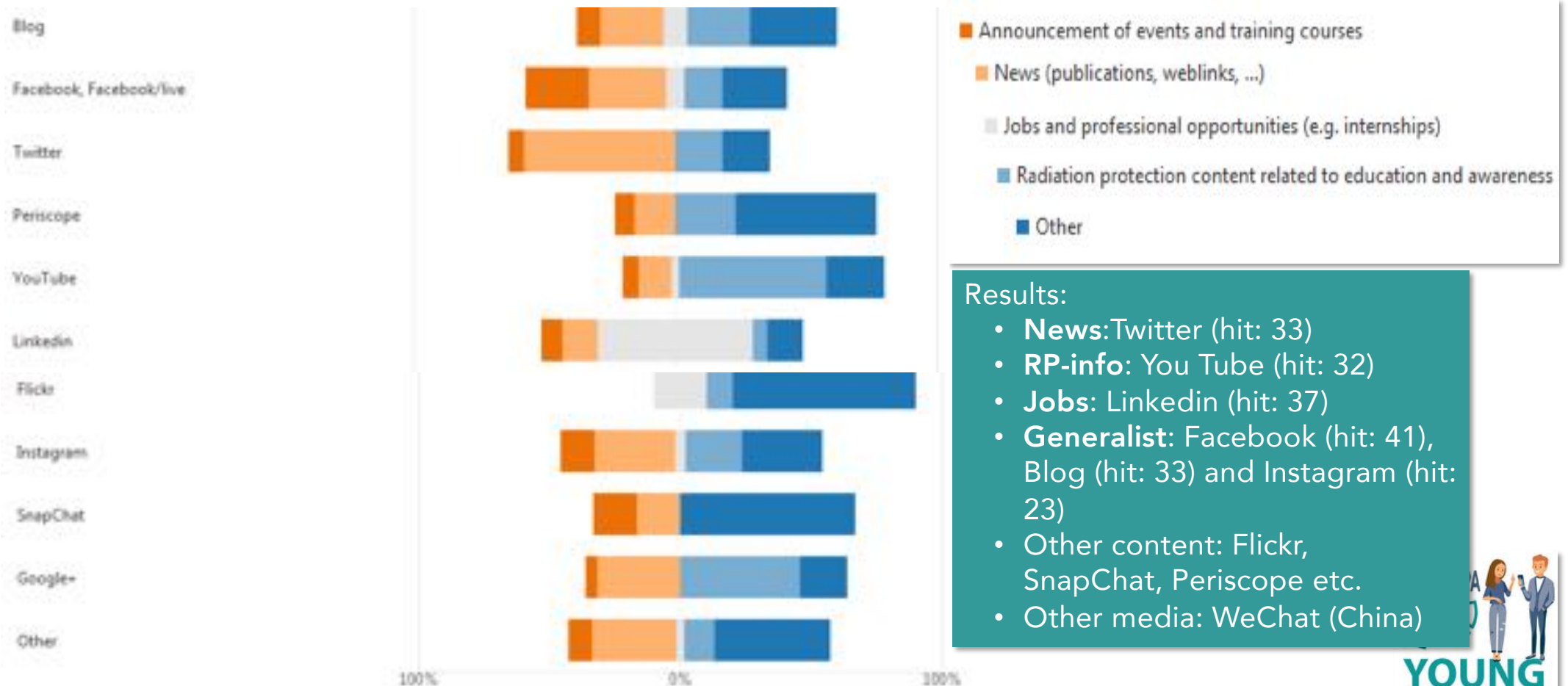
Size of YGN



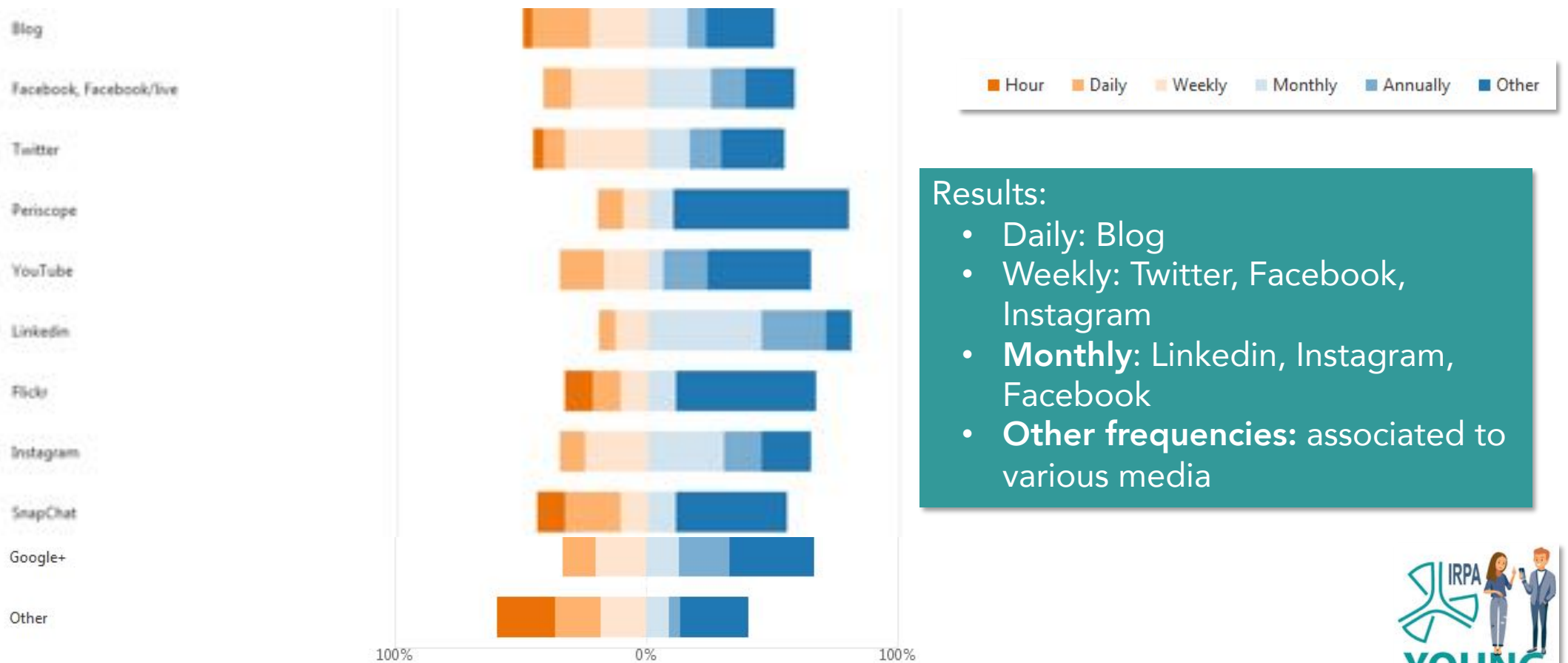
# PART 2: SOCIAL MEDIA



# Social media usage: content & purposes

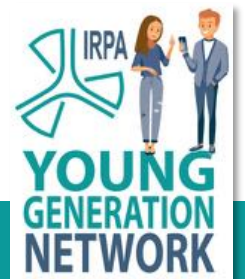


# Frequency of post



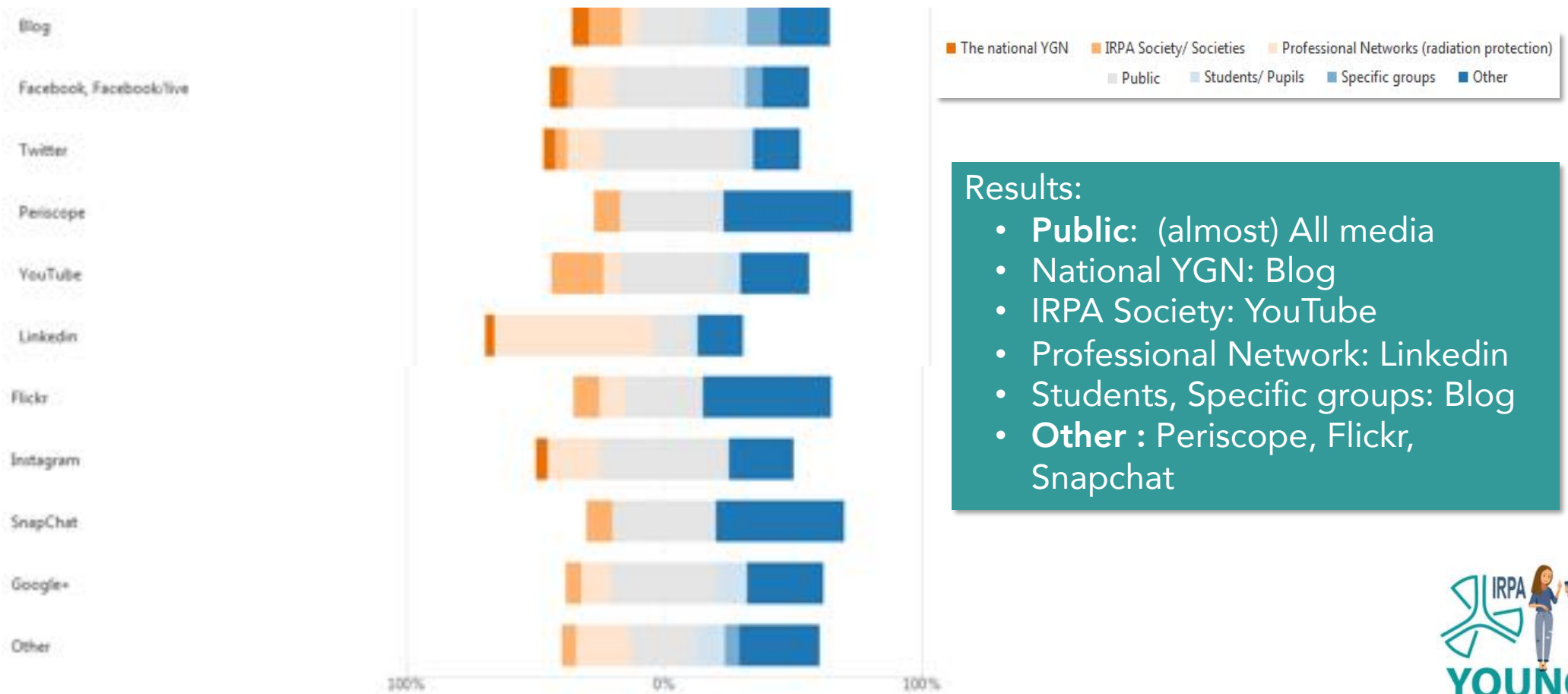
Results:

- Daily: Blog
- Weekly: Twitter, Facebook, Instagram
- **Monthly:** LinkedIn, Instagram, Facebook
- **Other frequencies:** associated to various media





# Target and audience

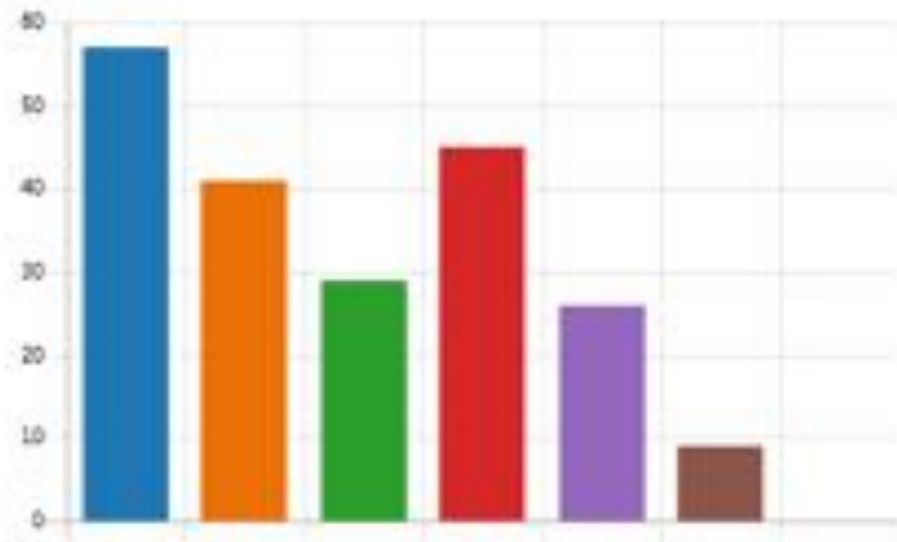


## Results:

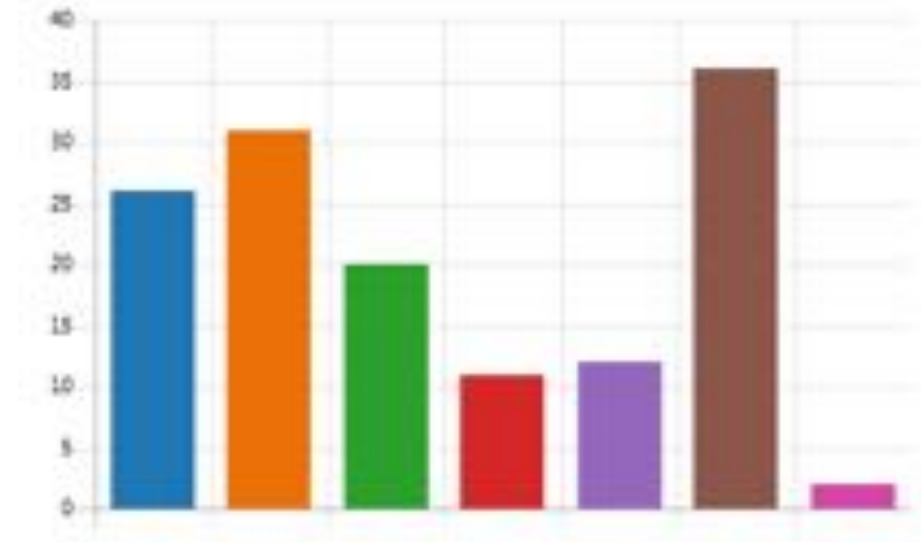
- **Public:** (almost) All media
- National YGN: Blog
- IRPA Society: YouTube
- Professional Network: LinkedIn
- Students, Specific groups: Blog
- **Other :** Periscope, Flickr, Snapchat



# Benefits and challenges of social media



- Quick means to spread inform... 57
- Widespread use 41
- Possibility to target contacts 29
- Increase awareness and prom... 45
- Building reputation, visibility a... 26
- Increase website referrals 9
- Other 0



- Lack of time 26
- Lack of relevant content 31
- Lack of resources 20
- Lack of digital skills 11
- Inefficient when needing appr... 12
- Overload of information 36
- Other 2





# J-SEPR : social media



J-SEPR collaborate in the social media of the **Spanish Society for Radiological Protection**



**Sociedad Española de Protección Radiológica**  
Sociedad Científica sin ánimo de lucro. C/ Capitán Haya, 56-7ºD 28020 Madrid Tel.: + 34 91 373 47 50. secretaria@sepr.es  
Madrid y alrededores · Más de 500 contactos · Información de contacto

**LINKEDIN**  
Sociedad Española de Protección Radiológica  
+2,000 Followers

**FACEBOOK**  
Sociedad Española de Protección Radiológica  
+11,000 Followers



**SEPR** @SocEspPR  
Hoy se celebra el Día Internacional de la Mujer y la niña en la Ciencia. Desde la SEPR queremos aportar nuestro granito de arena explicando con algunos datos el papel de la mujer en nuestra sociedad #11F2021



**Tweet thread: International Day of Women and Girls in Science**

En respuesta a @SocEspPR  
En la SEPR somos 245 socias, lo que representa un 37 % del total de

**TWITTER**  
@SocEspPR  
+1,724 Followers







Red SAR Joven  
12 de abril a las 16:22 · 🌐

#RadiacionesNOionizantes  
La SAR ha llevado a cabo junto con la SEPR y con el auspicio de la IRPA, la traducción al español del documento de la OMS "Aparatos de bronceado artificial: intervenciones de salud pública para gestionar el uso de camas solares".  
El documento se encuentra disponible en la página web de la OMS y próximamente en la web de la SAR: ... Ver más



@RedSARJoven  
+ 530 followers

Red SAR Joven  
Publicado por Cin Papp · 19 de agosto · 🌐

Programa de Becas del OIEA Marie Skłodowska-Curie  
Por mas mujeres en el ámbito nuclear 🇵🇷 🇺🇸

Programa de Becas para la realización de estudios de Maestría en ciencia y tecnología nuclear, seguridad y seguridad nuclear y no proliferación.  
E... Ver más

Together for more women in nuclear

IAEA Marie Skłodowska-Curie Fellowship Programme

543 33

Red SAR Joven  
Publicado por David Sosa Vera · 25 de noviembre · 🌐

La Sociedad Internacional de Epidemiología y Dosimetría de las Radiaciones (ISoRED) abrió la convocatoria para participar de la nueva Red Iniciativa de Mentoría de ISoRED.  
El objetivo es ampliar el acceso a la orientación profesional extracurricular y el desarrollo profesional para los investigadores junior interesados en la dosimetría, la epidemiología o la estadística en radiaciones ionizantes, conectándolos con científicos de mayor experiencia que realizan investigaci... Ver más

Red SAR Joven  
Publicado por Marie Curie · 12 de agosto de 2019 · 🌐

#CongresoArgentinodeSeguridadRadiológicaYNuclear

Estimados colegas y amigos:  
La Sociedad Argentina de Radioprotección (SAR) tiene el agrado de invitarlos a participar del XII Congreso Argentino de Seguridad Radiológica y Nuclear a llevarse a cabo el 3 y 4 de septiembre de 2019 en el Auditorio Emma Pérez Ferreira –Centro Atómico Constituyentes de la Comisión Nacional de Energía Atómica. Durante la mañana del día 3 de septiembre se desarrollará la JORNADA sobre SEGURIDAD NUCL... Ver más

XII Congreso Argentino de Seguridad Radiológica y Nuclear  
3 y 4 de septiembre de 2019  
Centro Atómico Constituyentes – CNEA

Presentación de los trabajos que concurren para la Beca SAR para participar del Congreso Internacional de Protección Radiológica (19to, 1to, 11 al 12 de mayo de 2020, en São Carlos), representando a la SAR en el Young Scientists and Professional Award

Para más información: [www.radioproteccion.org.ar](http://www.radioproteccion.org.ar)

YOUNG  
GENERATION  
NETWORK



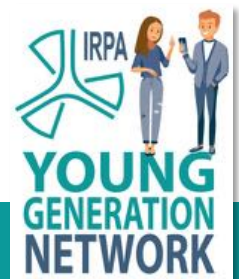
@RedSARJoven  
(+ 100 followers)



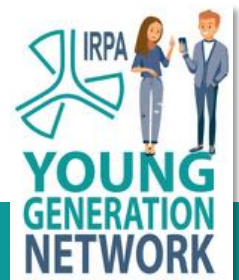


# The younger generation (X-gen, millennials); recommendations

- Their presence on social media:
  - Mostly on Instagram, SnapChat, TikTok (UK gov.), WeChat (China)
- Provide various opportunities on social media, however, do not forget ...
  - Face to face and close-up meeting;
  - Training centres, career fairs
- Modalities
  - *"Short video clips/motion animations would do better than long texts, flyers or pictures"*
  - Award (ex. best Final Degree and Master's projects in 3 min. video, J-ESPR experience)
  - Relate to the day-by-day and also popular issues
  - People like to see people: show (young) people behind the procedures
- Radiation protection
  - Educative content
  - Emphasise scholarship and training courses
  - Show prospect of RP: the evolution and challenges
  - Show the possibilities of professional careers



# PART 3 : IMPACT OF THE PANDEMIC





# J-SEPR : courses & seminars



**Adaptation needed**

## Talks in Primary Schools

(Madrid, Valencia) for the International Day of Women and Girls in Science (11<sup>th</sup> February)

## Invited talk in the basic course

on nuclear fusion, organized by JJ.NN.  
- University level (Picture : 13<sup>th</sup> April 2018, Bilbao).

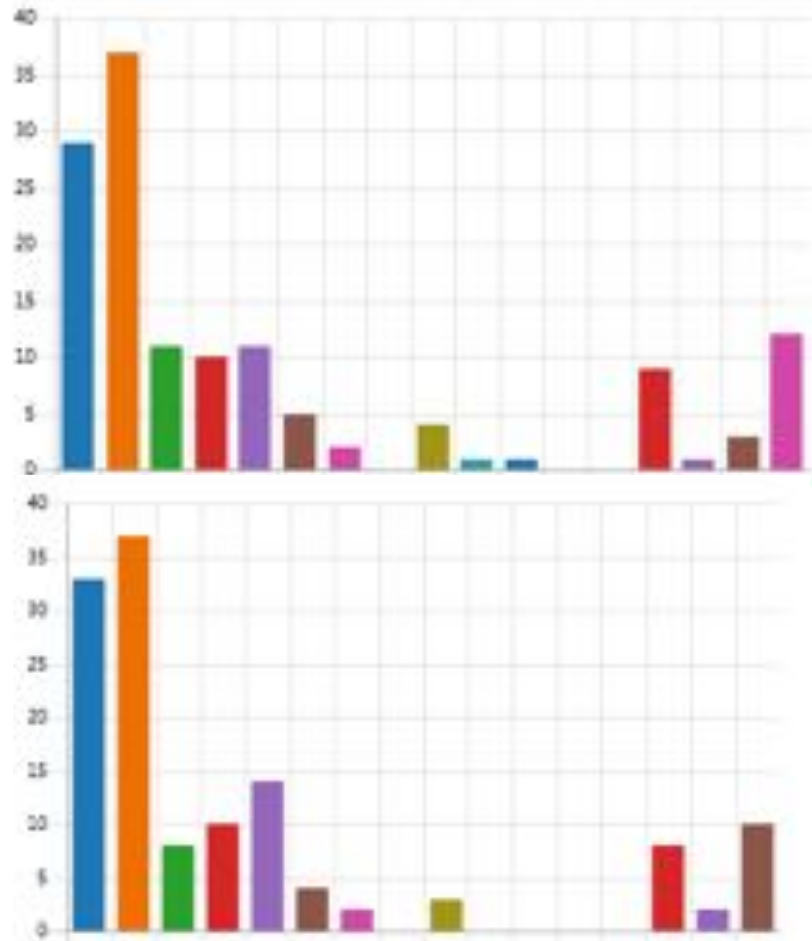
## Seminar on career opportunities

in the field of Radiation Protection - University level

- 1<sup>st</sup> edition: Valencia (2018)
- 2<sup>nd</sup> edition: **Online** (2021) (repeated periodically)



# Tools used: As teacher and as lecturer



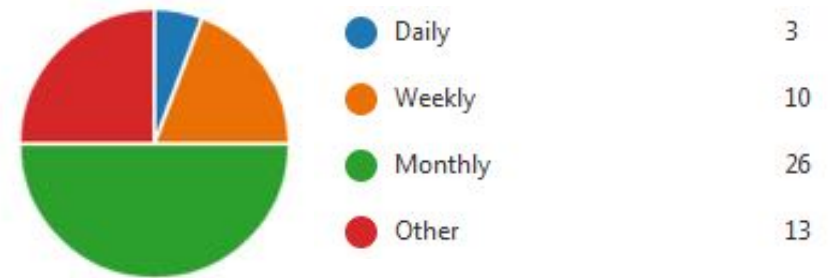
29	Adobe Connect	0
37	Google Meet	9
11	Big Blue Button	1
10	Blackboard Collaborate	3
11	Other	12
5		
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1st: Zoom  
 2nd: Microsoft Teams  
 3rd: Others (Skype/Webex, ...)  
 China: TenCent

# Live

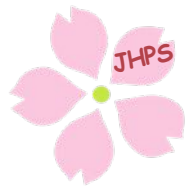


# vs. pre-recorded classes



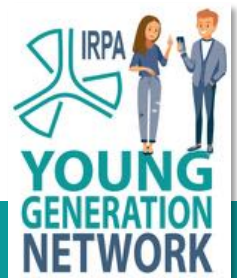


## Example of good practice Virtual Seminar Series



## Young Researchers Association in Japan Health Physics Society

- The difficult time due to the pandemic has made JHPS members – in all generations – much easier to attend a virtual meeting and discussion
- **Young JHPS members have taken the initiative in holding a virtual seminar series on radiation**
  - **Open to all JHPS members in all generations as well as those in other academic societies**
- How is this virtual seminar series?
  - Running **on a monthly basis** since Oct 2020. **Around 30 attendees** every seminar
  - For now, a step-by-step review on the ICRP Publication “Occupational Intakes of Radionuclides”
    - Human Respiratory Tract Model, Human Alimentary Tract Model, Biokinetic models, etc.
  - Mainly young JHPS members take turns giving lectures on specific topics, which are not necessarily fit to lecturers’ specialties
  - **Seeking for interactions between young and senior members via casual discussion**
  - **Before the pandemic, this type of regular and casual seminars were difficult to be held in JHPS, because many of its members were not used to such virtual events**



# Some lessons-learned

- The winning duo: Zoom and MS Teams
- Making use of the tools to keep focus of the audience
  - Chat, quiz, survey, breaking out sessions (small groups)

Pros	Cons (mostly expressed by teacher)
<ul style="list-style-type: none"><li>• Cutting time and money</li><li>• Flexible attendance: office/home, pause and rewind</li><li>• Unprecedented access and democratization of RP (for those who can afford to connect)</li><li>• Usage of asynchronous interaction in gaining confidence (shy people)</li></ul>	<ul style="list-style-type: none"><li>• Easier <u>not</u> to pay attention</li><li>• A lot is lost in interaction, experience and creativity</li><li>• Content limited to basics</li><li>• Less dynamic, less efficient</li><li>• Learning virtually takes longer</li><li>• <i>"It is difficult to check how the trainees understand"</i></li></ul>
<p><i>"It is as good as in-person class"</i></p>	<p><i>"I prefer in-person, but in the pandemic virtuality is a necessary option"</i></p>

# Synthesis

- Young Generation is actually (much) present in the social media
- Often in forefront to support the IRPA Society
- Usage of historic social media and clear alignment of the usage with the content:
  - Facebook: information; Twitter: dynamic relay; LinkedIn: the professional and talent database
  - YouTube, Instagram, SnapChat with photos and videos only
- Advantages and challenges linked with the communication
- Recommendations on how to target the younger generation
- **Experience in virtual E&T:**
  - Live and pre-recorded equally used/attended ;
  - Elevated frequency (even daily)
  - Democratization and flexibility ++
  - Virtual cannot substitute to real E&T (because seeing and hearing are not enough)



**One website internet**  
<http://www.irpa.net/YPN/index.asp>

**One mini-blog (password)**  
<https://irpaygn.posthaven.com>

