

Young Generation Network in radiation protection & social media

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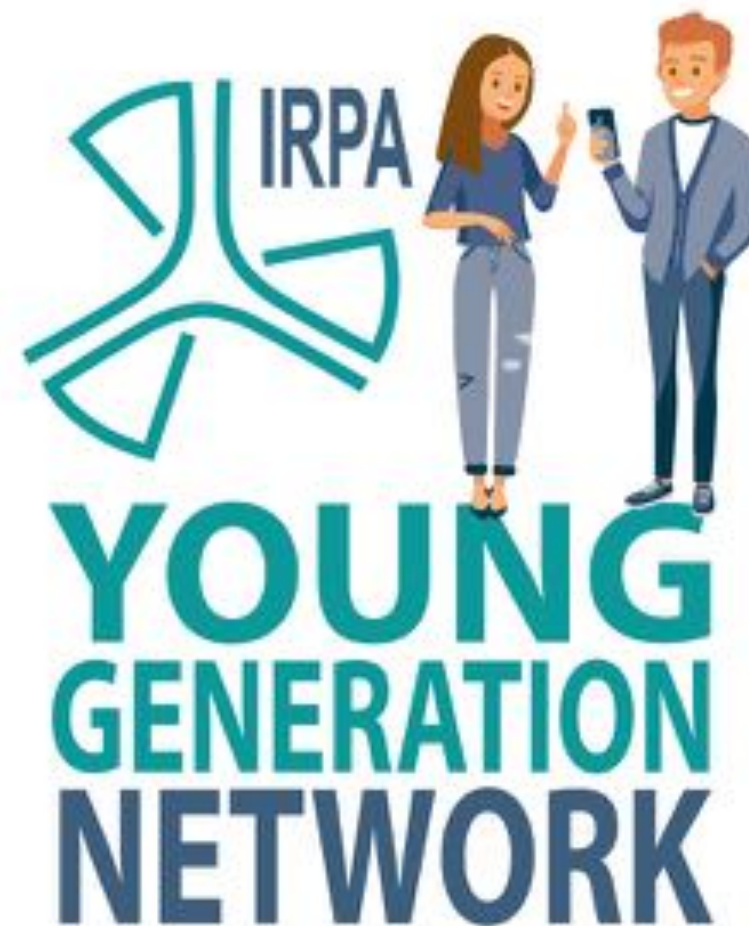
Marina Sáez Muñoz

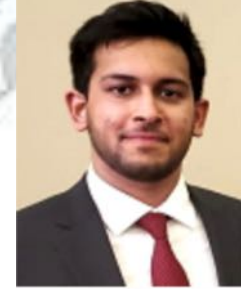
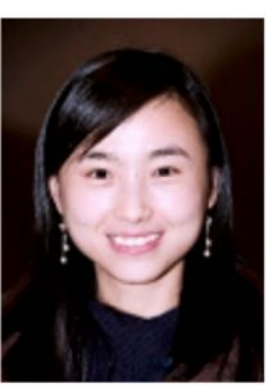
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on behalf of the IRPA YGN Leadership Committee

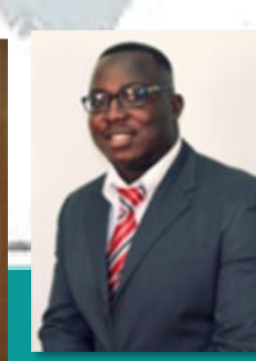
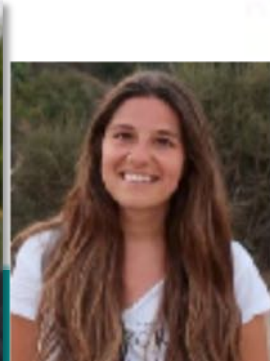


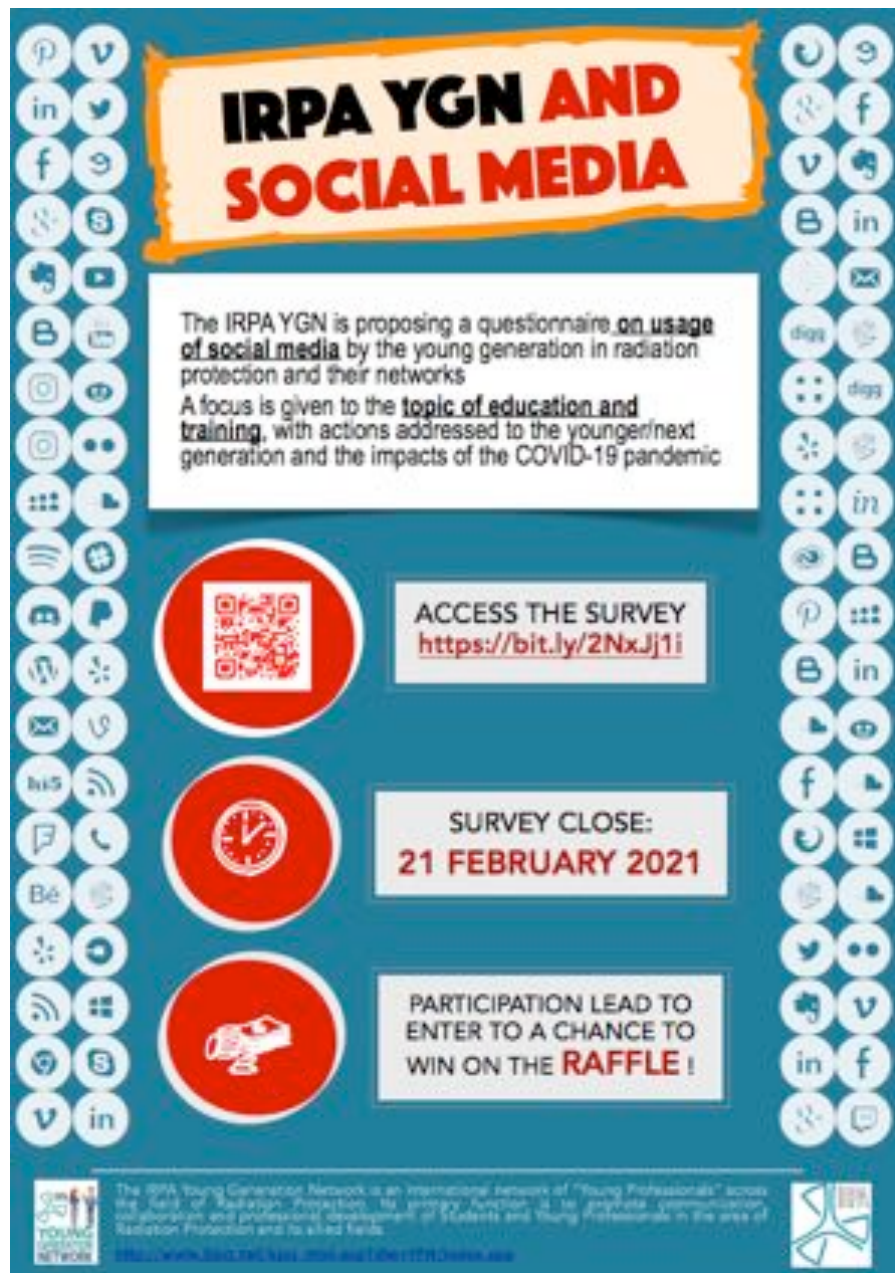


- No meeting for real since the foundation
- “Forerunner” in **remote meeting** but many practical difficulties at the time (2018~2020)
- **Blog** (thanks to EUTERP) but its usage not clear vs. traditional website and e-mails
- No vision when/where the IRPA YGN can actually meet ...



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>

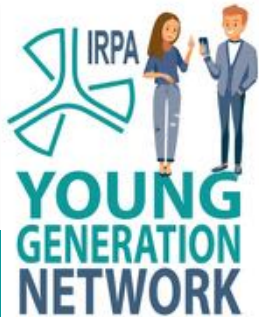
SURVEY CLOSE:
21 FEBRUARY 2021

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

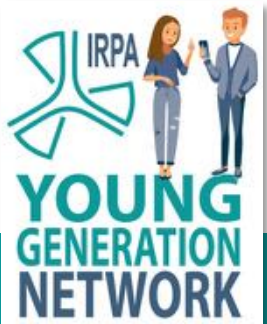
The IRPA Young Generation Network is an international network of "Young Professionals" across the field of Radiation Protection. Its primary function is to promote communication, collaboration and professional development of Students and Young Professionals in the area of Radiation Protection and its allied fields.
<http://www.irpa-nc.org> and www.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)



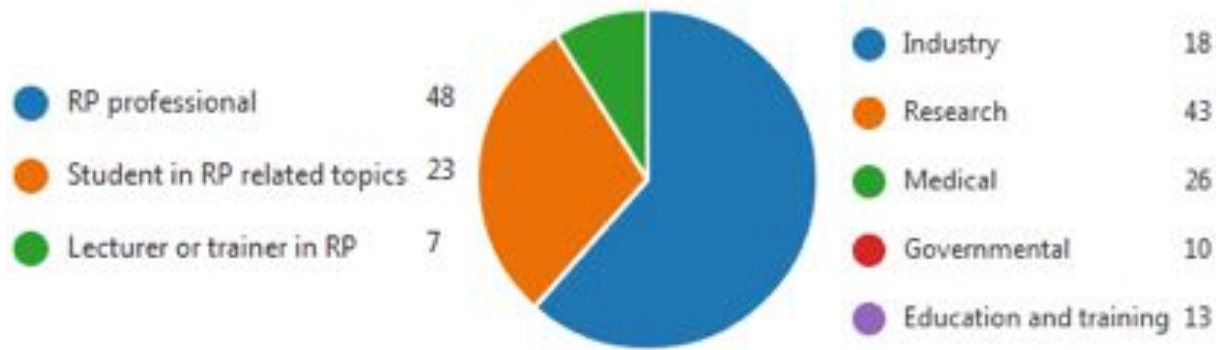
PART 1: YOU/YOUR NETWORK



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



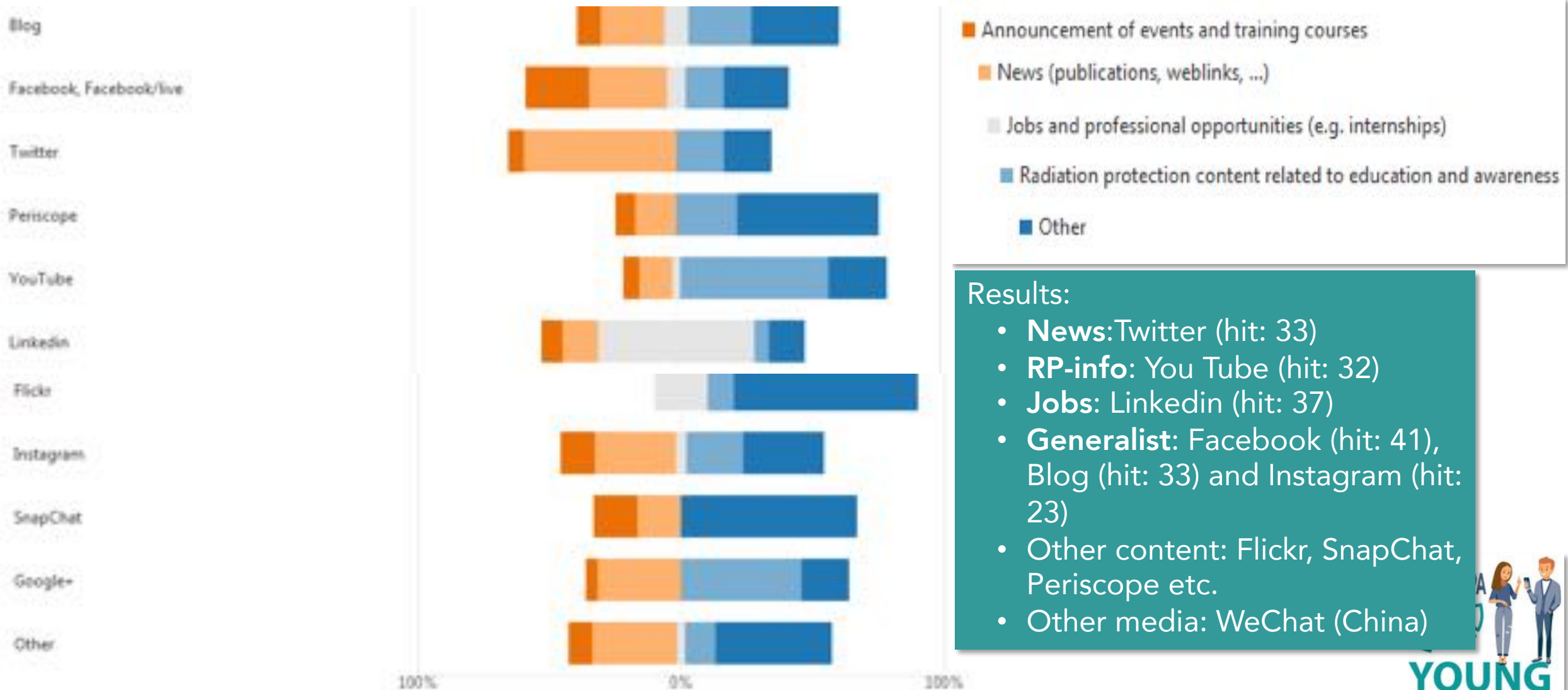
Size of YGN



PART 2: SOCIAL MEDIA



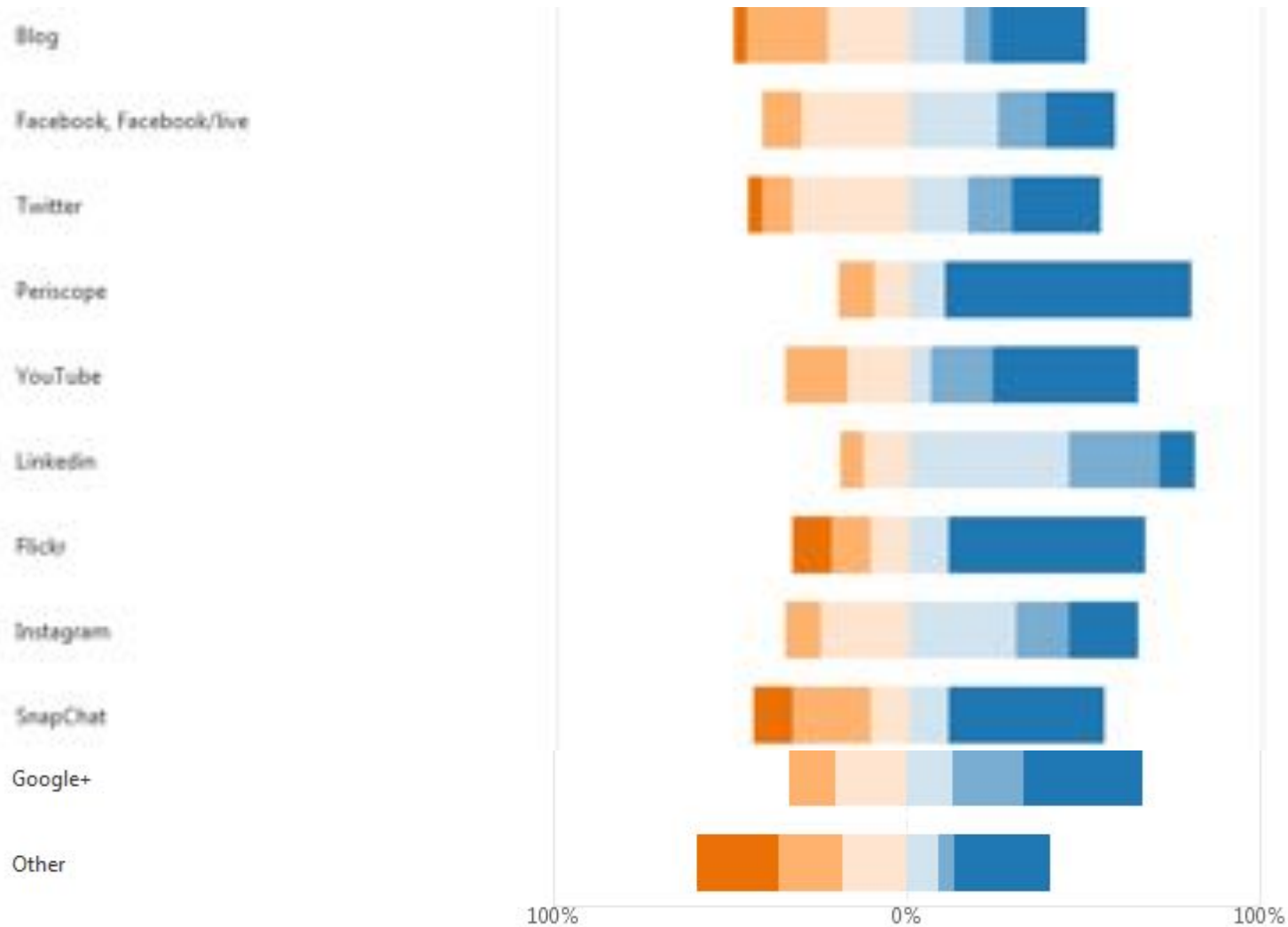
Social media usage: content & purposes



- Results:
- **News:** Twitter (hit: 33)
 - **RP-info:** You Tube (hit: 32)
 - **Jobs:** LinkedIn (hit: 37)
 - **Generalist:** Facebook (hit: 41), Blog (hit: 33) and Instagram (hit: 23)
 - **Other content:** Flickr, SnapChat, Periscope etc.
 - **Other media:** WeChat (China)



Frequency of post

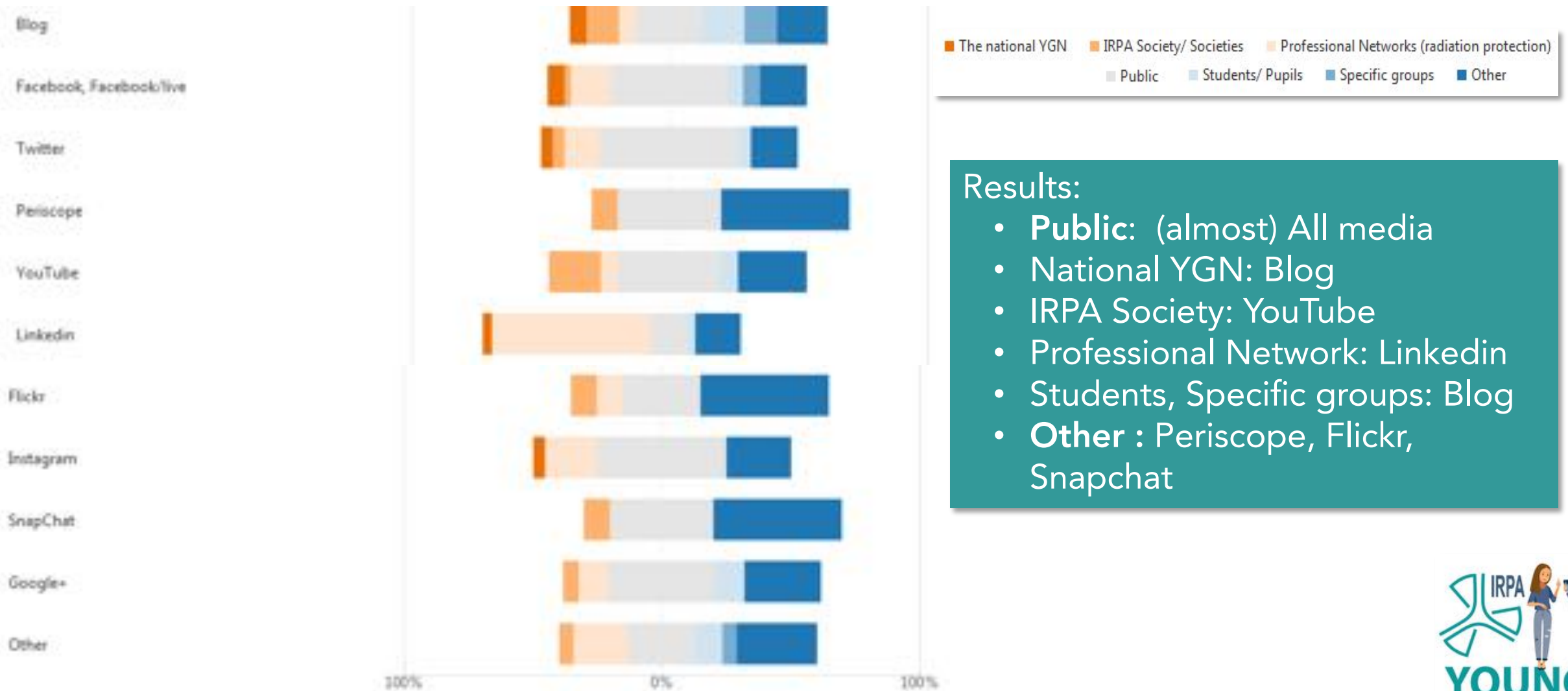


Results:

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

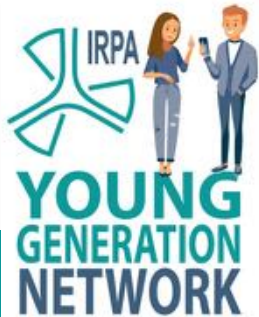


Target and audience

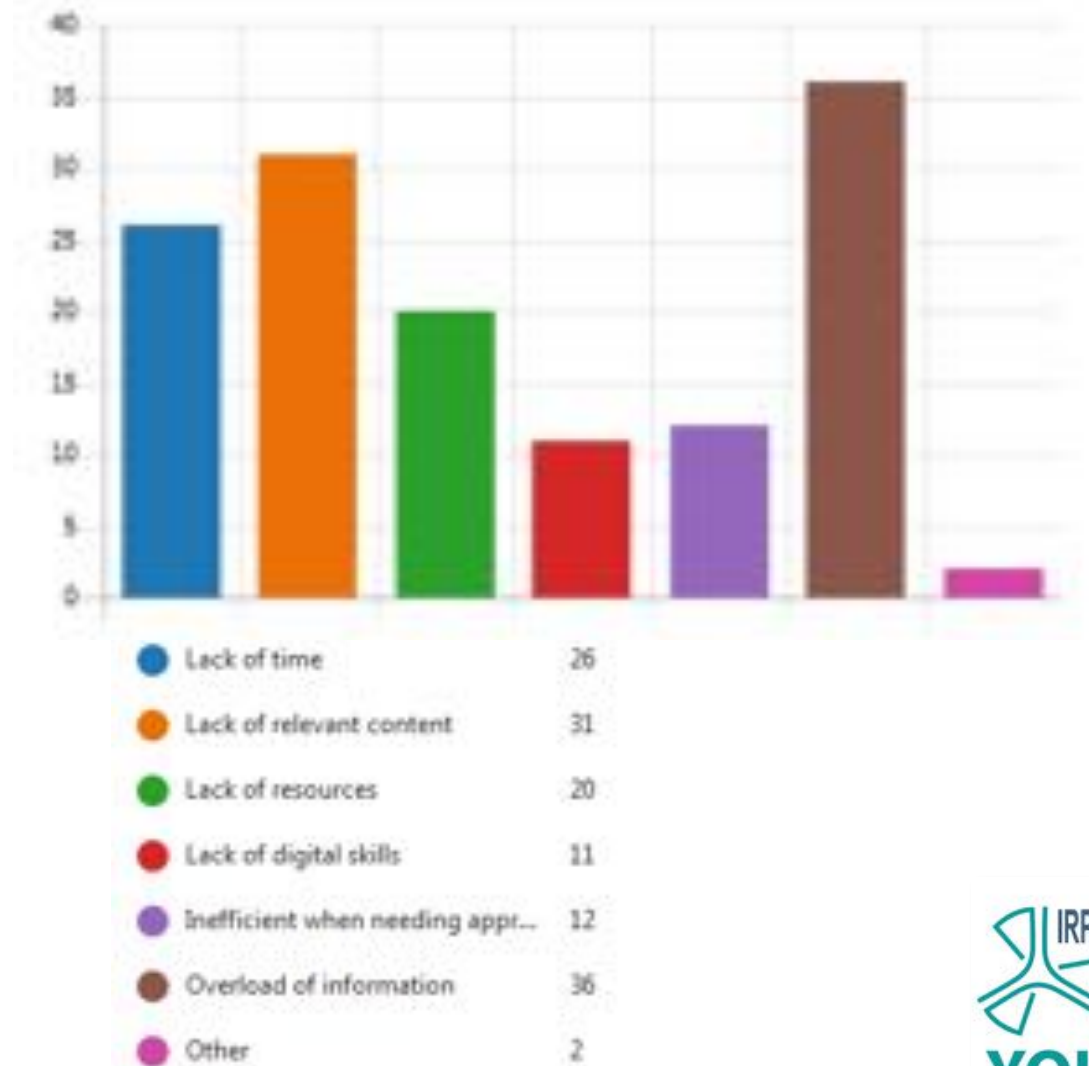
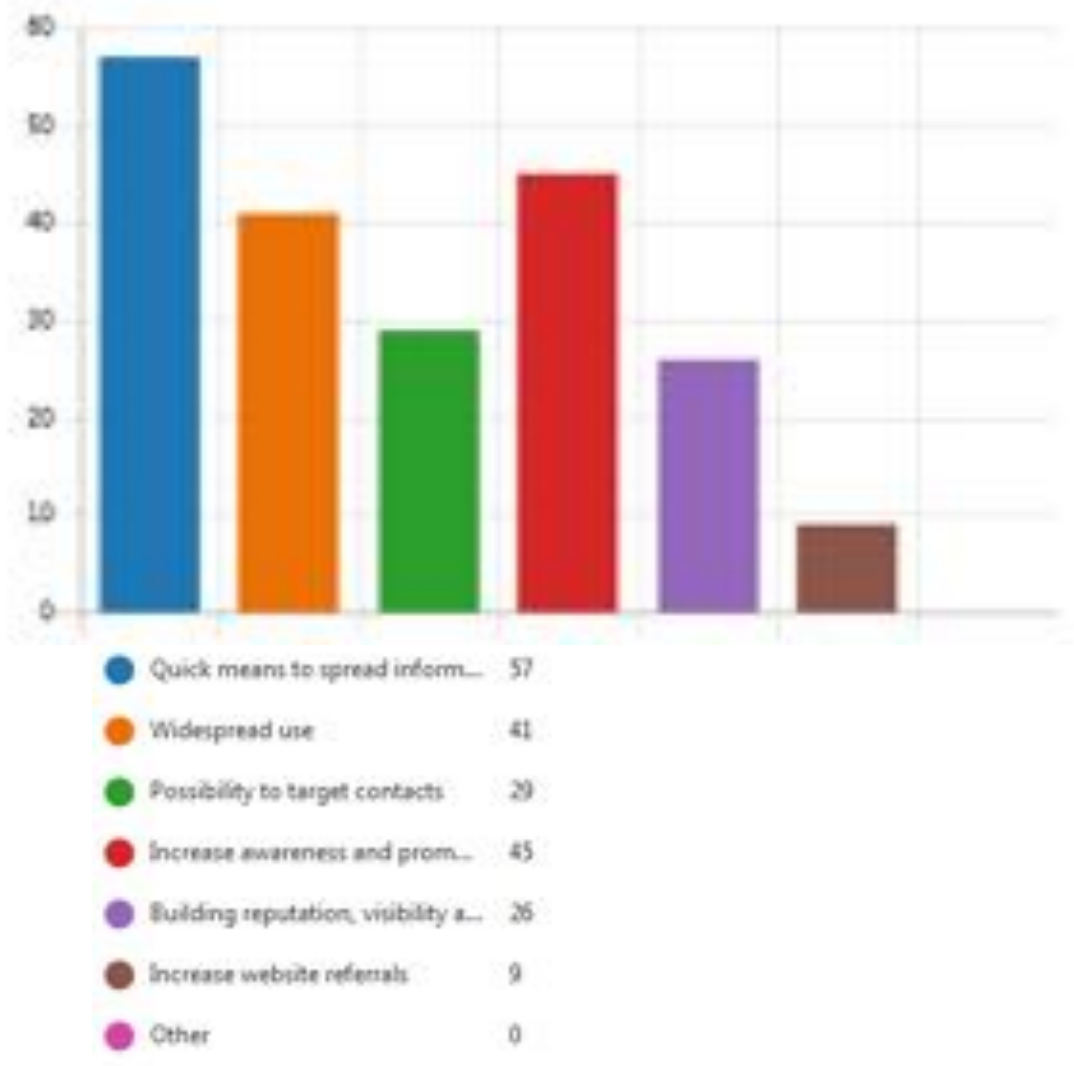


Results:

- **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





J-SEPR : social media



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



FACEBOOK

Sociedad Española de Protección Radiológica
+11,000 Followers



LINKEDIN

Sociedad Española de Protección Radiológica
+2,000 Followers



SEPR

@SocEspPR

La Sociedad Española de Protección Radiológica (SEPR) es una asociación de carácter científico y técnico, sin ánimo de lucro. Fundada en 1980. Afiliada a IRPA.

España sepr.es Se unió en febrero de 2011

249 Siguiendo 1.724 Seguidores

Tweets

Tweets y respuestas

Fotos y videos

Me gusta

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





@RedSARJoven
+ 530 followers





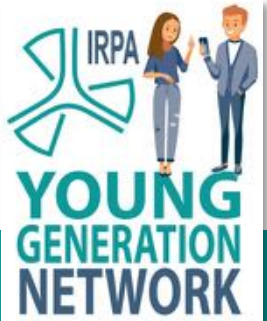
@RedSARJoven
(+ 100 followers)



YOUNG GENERATION NETWORK

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 (11th February)

Invited talk in the basic course

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

Seminar on career

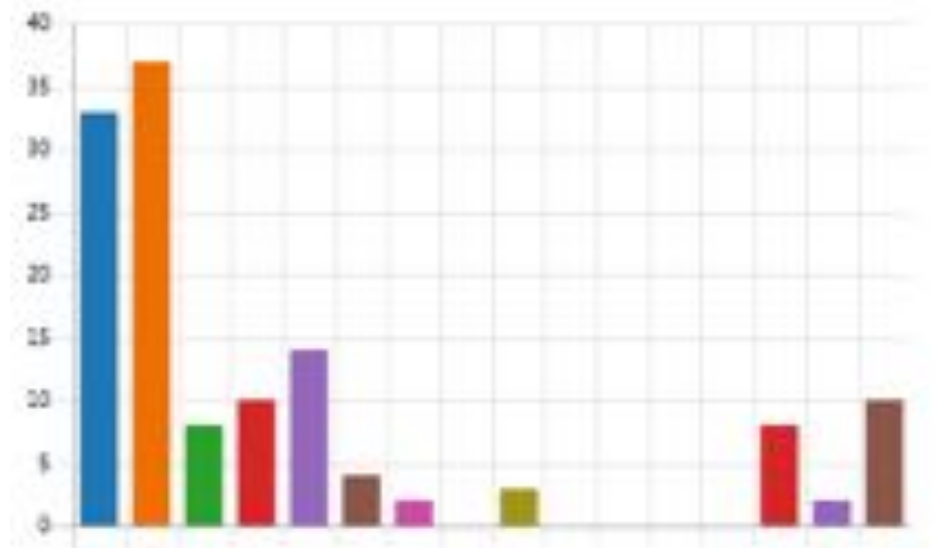
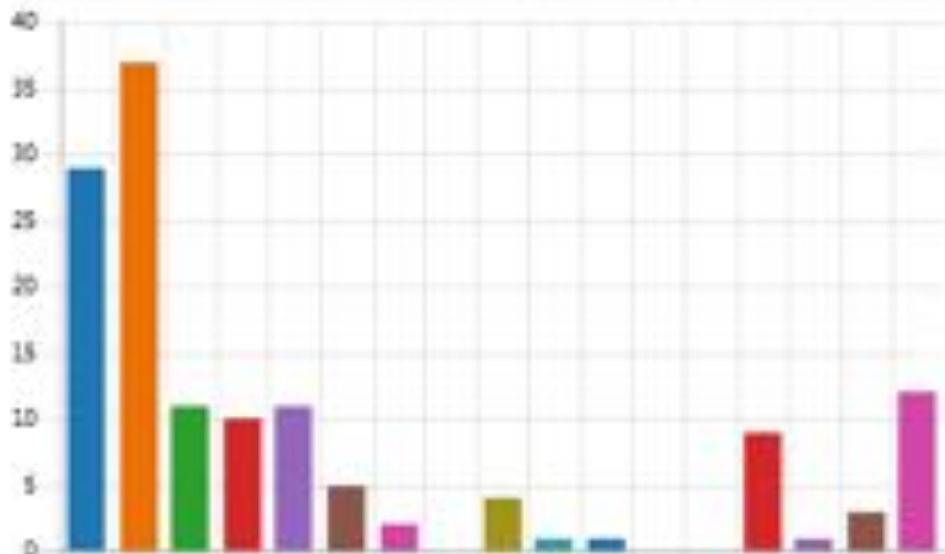
opportunities in the field of

Radiation Protection - University level

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



Tools used: As teacher and as lecturer



- Microsoft Teams
- Zoom
- Skype
- Youtube
- Cisco Webex Meetings
- Google Hangouts
- Jitsi
- ooVoo
- Slack
- Tixoo
- BlueJeans
- Bigmarker

- Adobe Connect 0
- Google Meet 9
- Big Blue Button 1
- Blackboard Collaborate 3
- Other 12

1st: Zoom
 2nd: Microsoft Teams
 3rd: Others (Skype/Webex, ...)
 China: TenCent



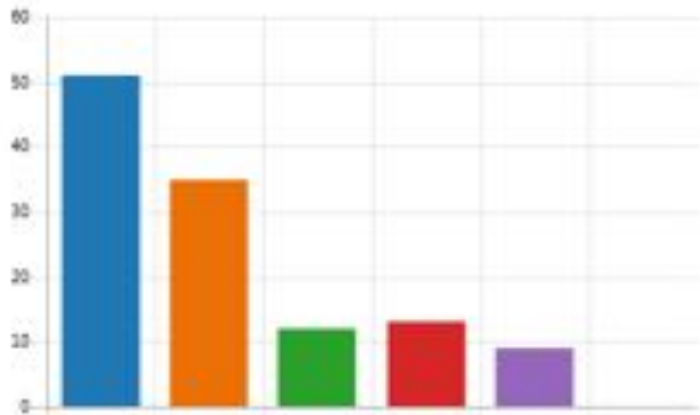
Live



● You attend live classes 57
 ● You give live classes 26



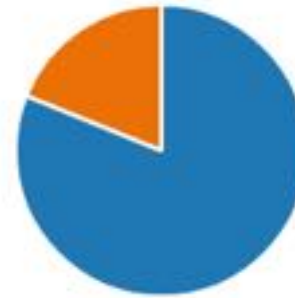
● Daily 4
 ● Weekly 22
 ● Monthly 27
 ● Other 16



● Virtual chat 51
 ● Questions out loud 35
 ● Quiz 12
 ● Email 13
 ● Survey 9
 ● Other 0

vs.

pre-recorded classes



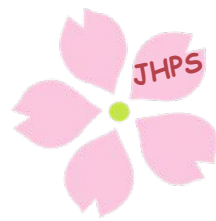
● You attend pre-recorded classes 43
 ● You give pre-recorded classes 10



● Daily 3
 ● Weekly 10
 ● Monthly 26
 ● Other 13



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

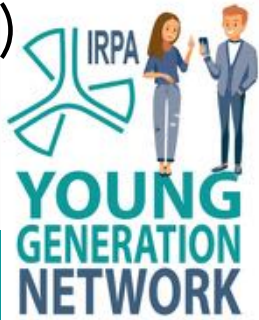
- The winning duo: Zoom and MS Teams
- Making use of the tools to keep focus of the audience
 - Chat, quiz, survey, breaking out sessions (small groups)

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

