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# **EURADOS WG2**

## **Intercomparisons for Individual Monitoring Services**

Lessons learnt for the organization

Webinar

28 October 2021

# Who is the Organization?

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“Core” Organization Group (OG) ICs for IMSs, excluding neutron dosimetry:

- Andrew McWhan (Cavendish Nuclear, UK)
- Ana Maria Romero (CIEMAT, ES)
- Hannes Stadtmann (Seibersdorf Laboratories, AT)
- Markus Figel (Mirion Technologies Dosimetrieservice (AWST), D)
- Tom Grimbergen (Mirion Dosimetry Services, NL)

Many additional collaborators:

- Online platform administrator: Christian Gärtner (Seibersdorf Laboratories, AT)
- Coordinators/assistant coordinators:
  - Argiro Boziari (GAEC, GR)
  - Wioletta Dobrzynska (Cavendish Nuclear, UK)
  - Christian Hranitzky (Seibersdorf Laboratories, AT)
  - Isabelle Clairant (IRSN, F)
- Support from WG2 members and chairpersons
- Support from EURADOS office, treasurer, chairperson, council

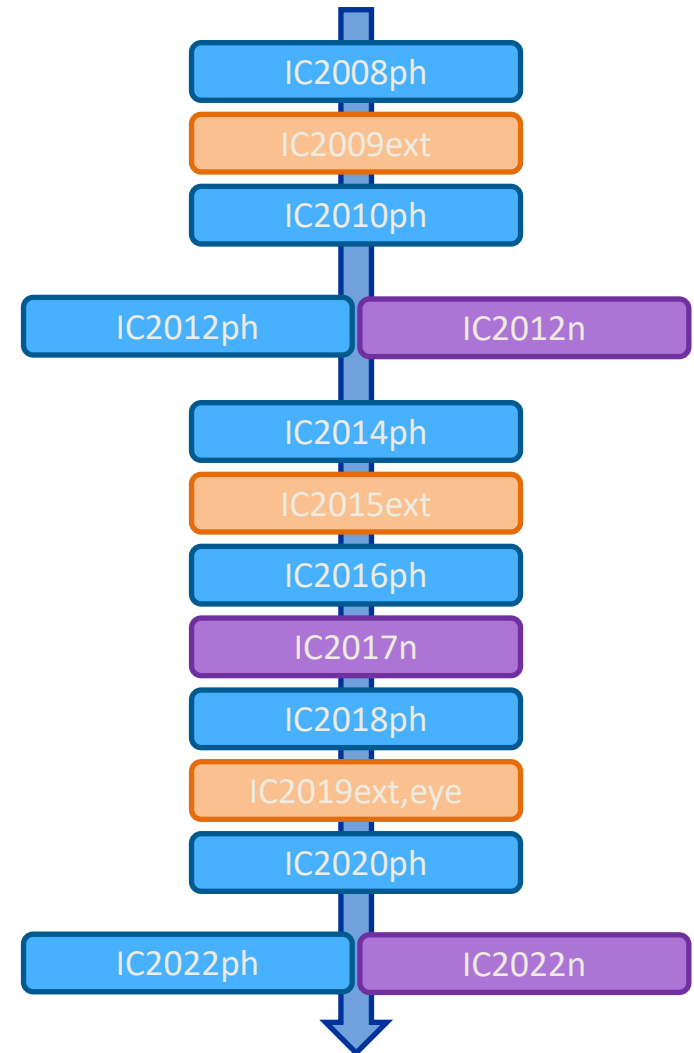
# Overview program of ICs for IMSs

## Aim:

- regular intervals
- self-sustained
- to enable IMSs to show compliance with approval and accreditation requirements

## Rithm:

- Whole body photon: every 2 years
- Extremity (& eye lens?): every 4 years
- Neutrons: every 5 years



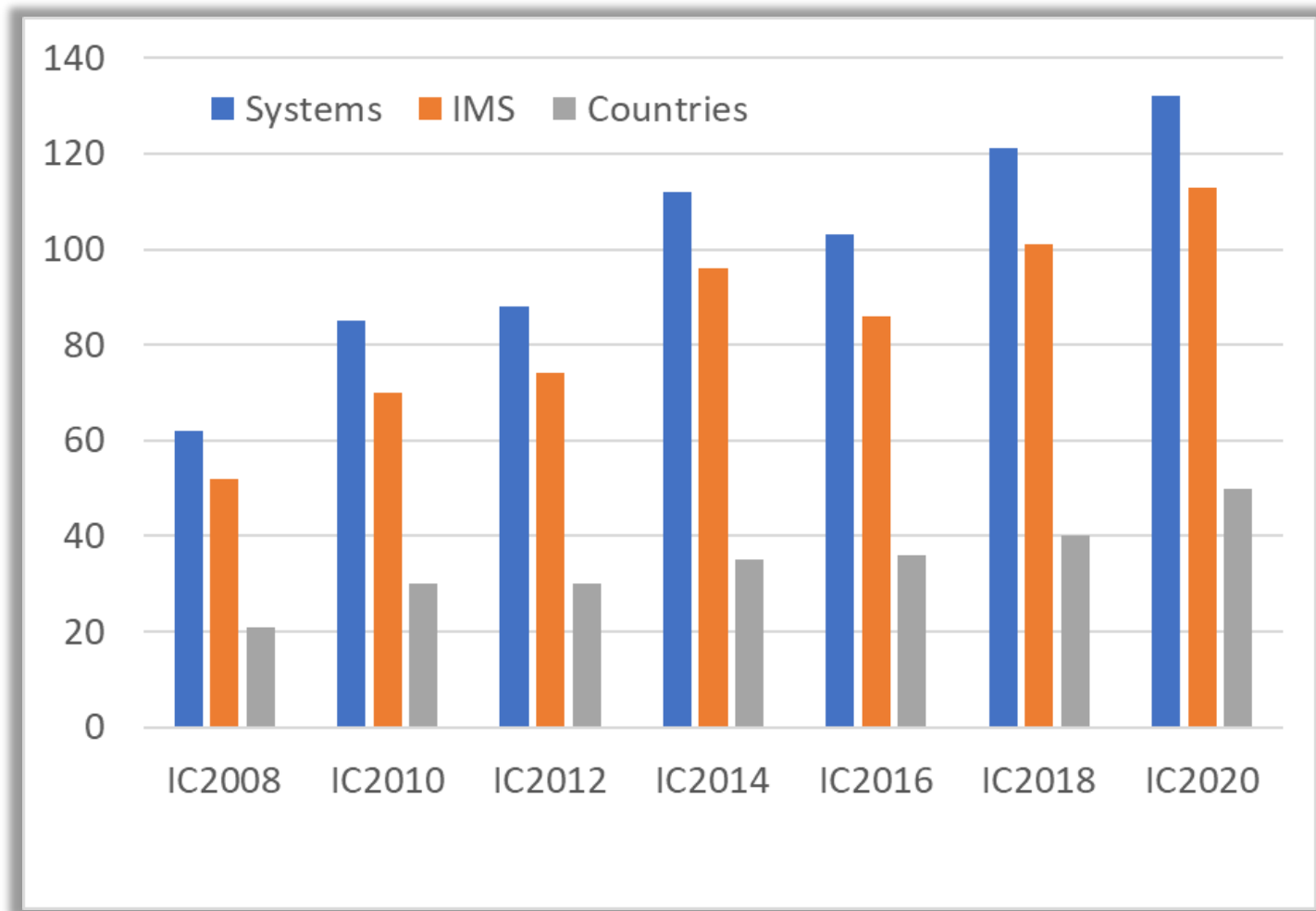
# How did the organizers learn?

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- Regular meetings OG - coordinator
- During ICs: feedback on draft results from participants
- After ICs: participant meetings and questionnaires
- Looking at development of number of participants
- OG self-evaluation



# Number of participants, photon whole body ICs



# Some observations:

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- EURADOS IC Certificates of Participation very well accepted by authorities / accreditation bodies
- Positive feedback from participating IMSs
- High level confidentiality and quality
- Due to the high (and growing) number of participants, coordination and performing the irradiations are big (and growing) challenges
- Continuous concerns for background and transit doses
- Publication of EURADOS reports takes too long

# Some preliminary conclusions/recommendations:

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- Many good reasons to continue the cycle of intercomparisons for Individual Monitoring Services
- Appoint coordinating institute for one or more ICs
  - preferably not being an IMS to avoid possible conflict of interest
  - to combine with irradiations to simplify organization and to reduce risk of transit dose?
- OG acts as steering committee
  - 4 to 5 persons
  - mix of people from IMSs and having knowledge of irradiation/calibration procedures and facilities
- Simpler format EURADOS reports (shorter)

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**Thank you for your attention and support**