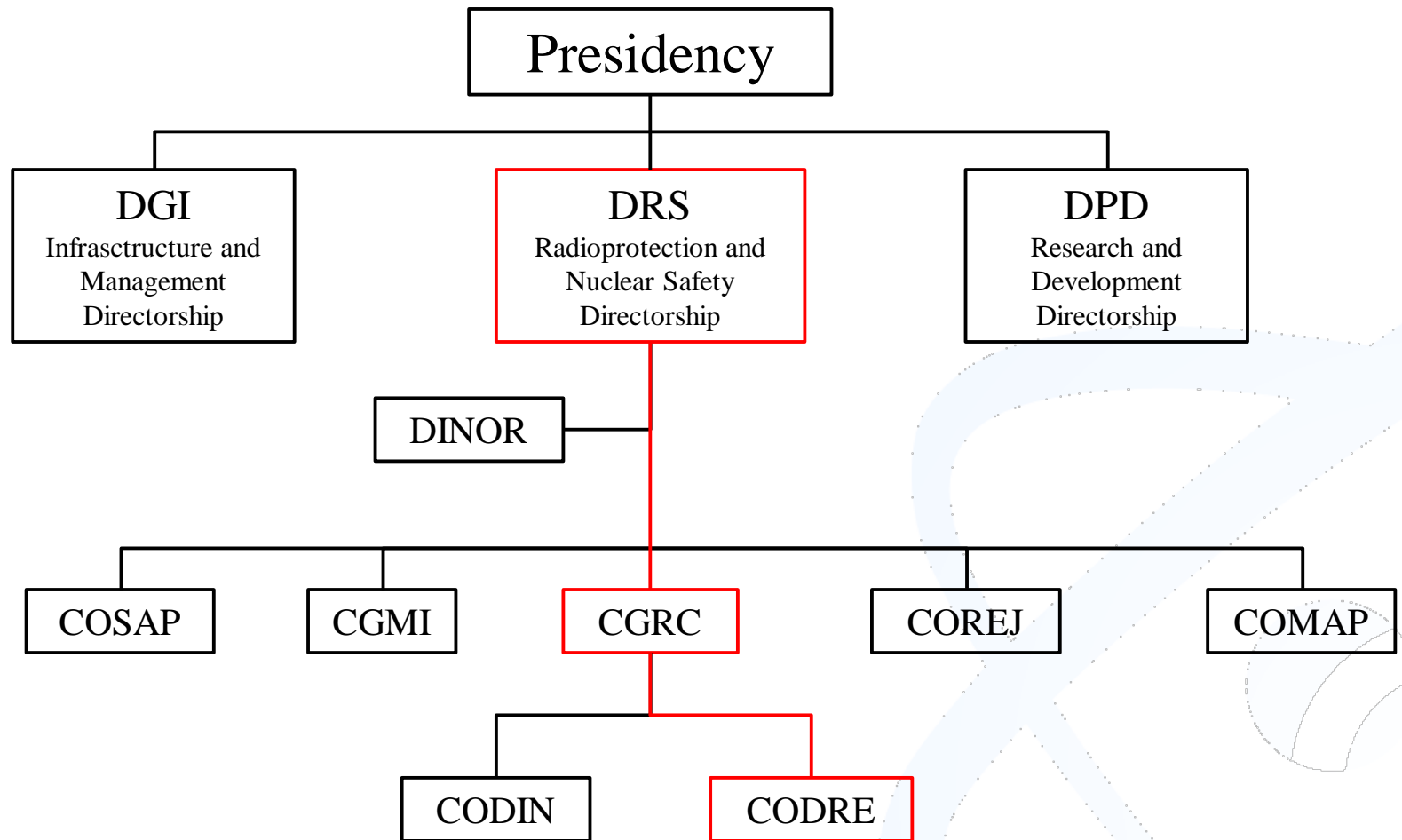


# Challenges of the aging of the Brazilian regulatory authority

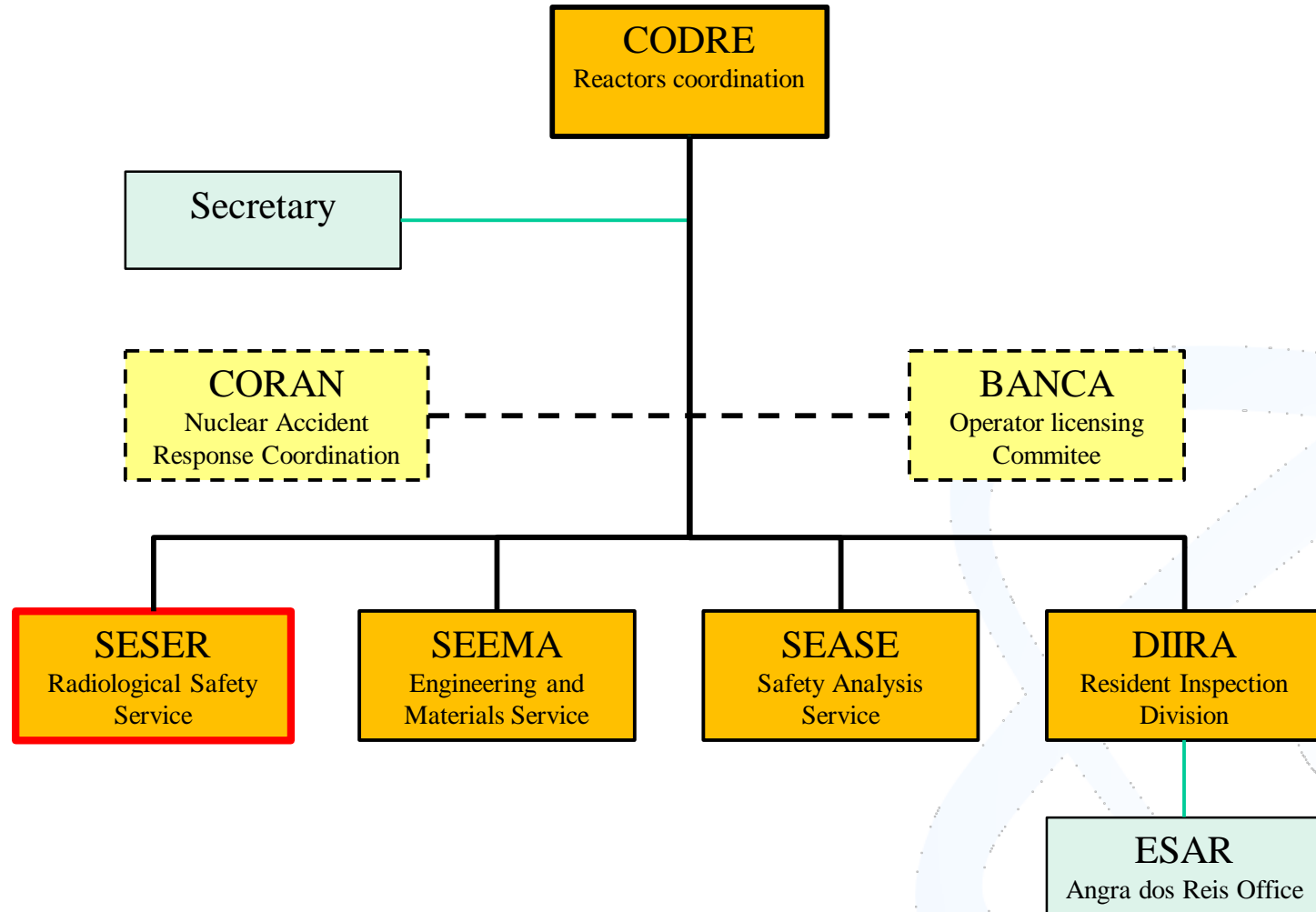
G. Morais (CNEN, Brazil)



# Simplified CNEN Organization Chart



# NPPs and RRs regulator structure



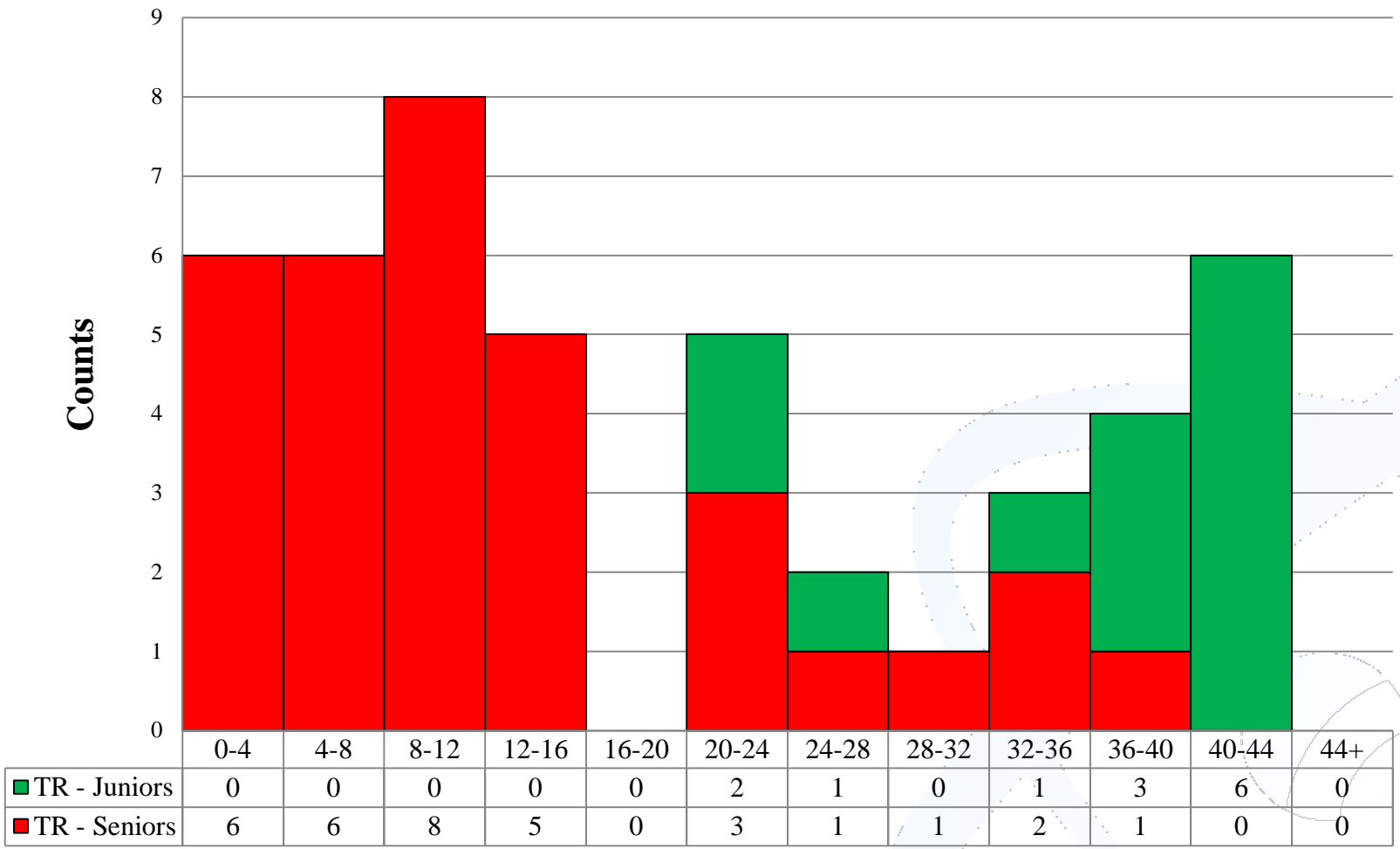
## The retirement process in public services (simplified)

- Adequate contribution time
- 70 years old – mandatory!

## The replacement process (simplified)

- Internal transfers
- Public exams
  - ✓ Written test
  - ✓ Oral exam
  - ✓ Academic qualifications evaluation

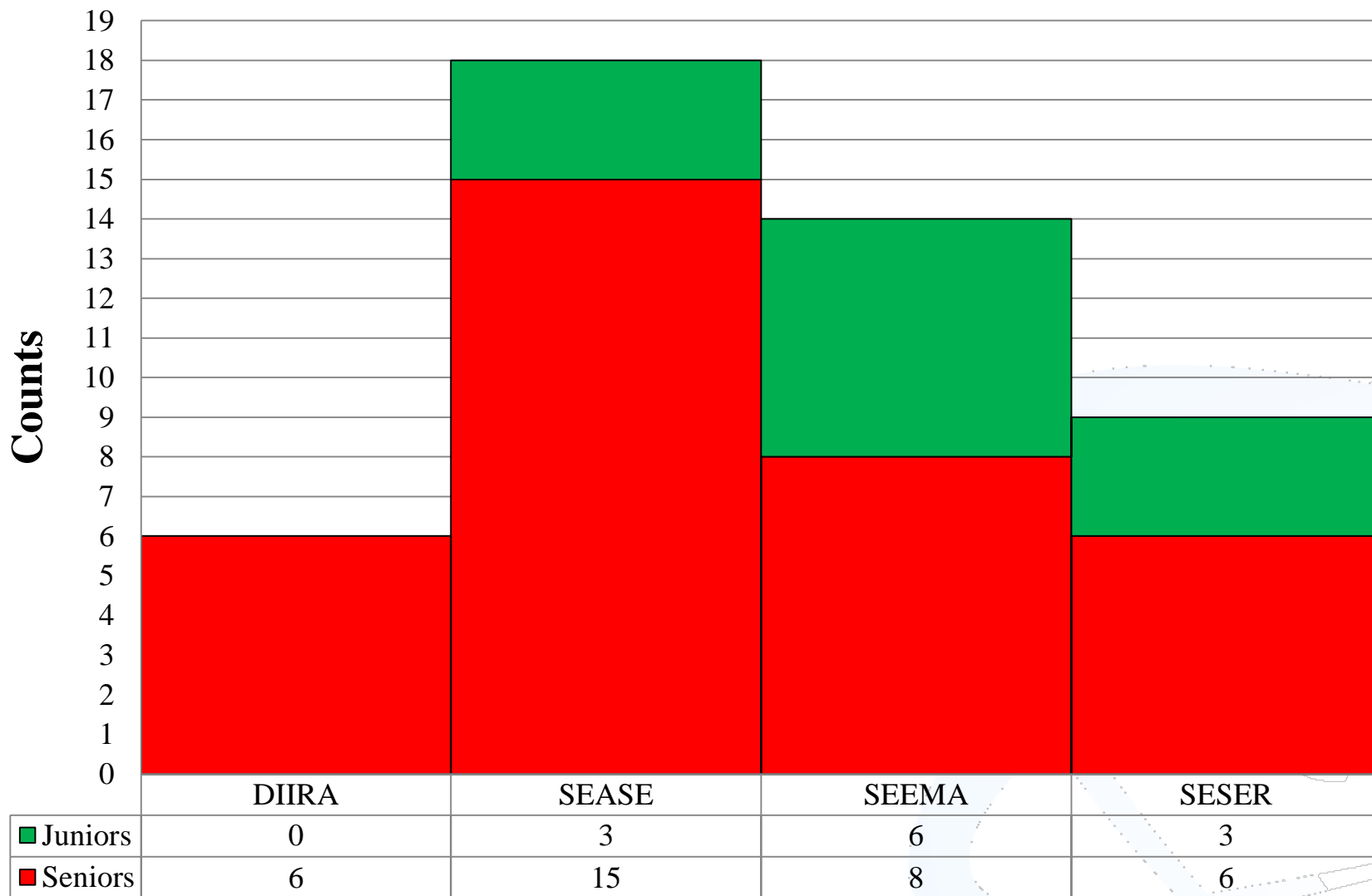
# Renewal of workforce in 2015 per Years to retirement



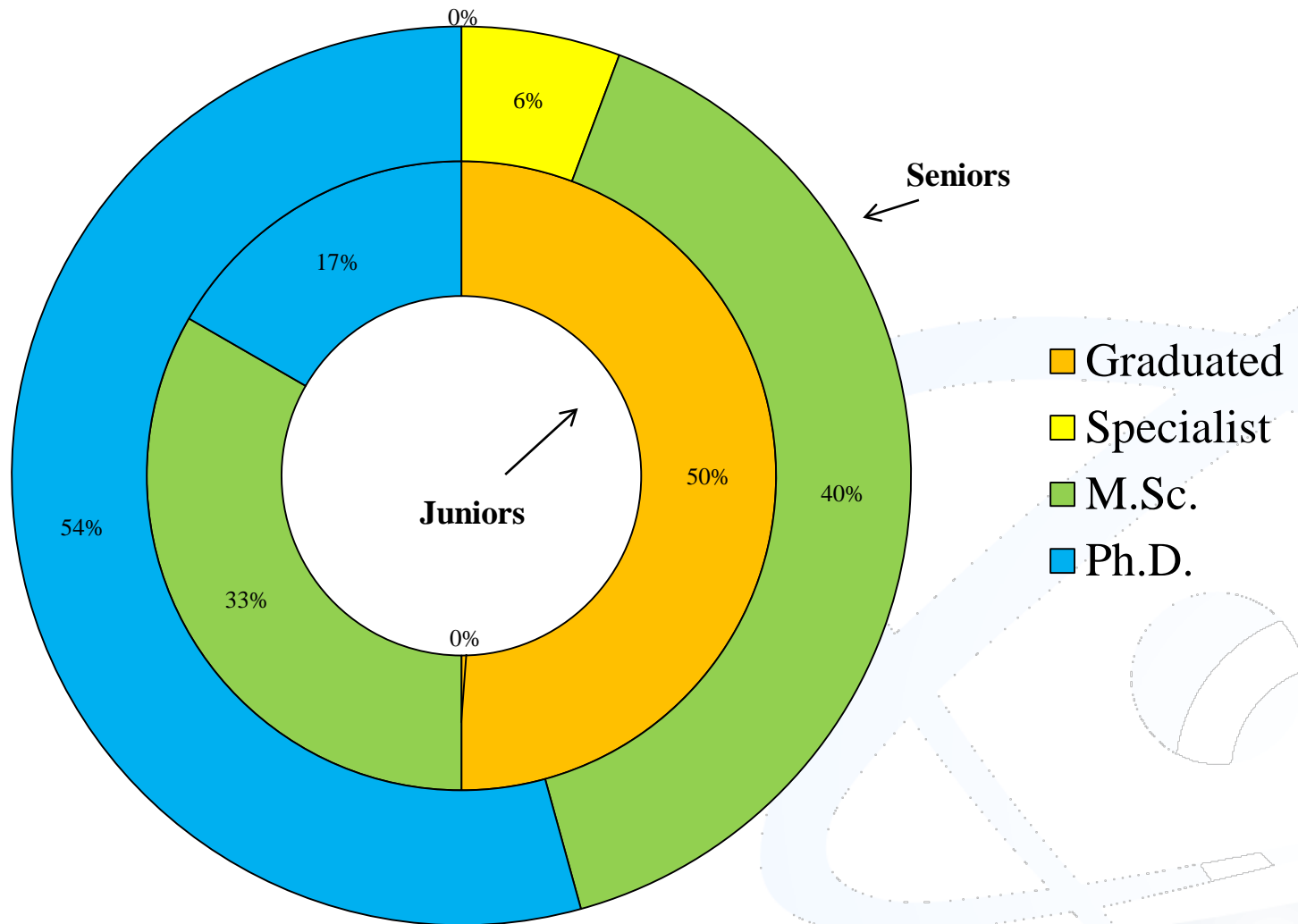
**Years to Retirement**

**Individual counts per interval**

## Renewal of workforce in 2015 per sector



# Academic qualification and the renewal of workforce in 2015



# Radiation protection 2015 activities program

- Regulatory and Nuclear Induction training
- Metrology and Radiation Protection fundamentals training
- ENSTTI training (Regulatory requirements on Radioprotection)
- ISOE 2015
- Workshop Knowledge Management
  - ✓ CNEN
  - ✓ ETN
- On the job training
  - ✓ Inspections on NPPs and RRs
  - ✓ Technical review on licensing documents
- Environmental dose estimation software training (CROM)
- Participation in the Exercise on Emergency Preparedness and Response
- Training with the software ARGOS



## Radiation protection 2016 programme agenda

- ENSTTI training (Fundamentals of Research Reactors)
- ITER training (Emergency Preparedness and Response)
- ISOE 2016 Symposium
- 2016 Emergency Preparedness and Response Exercise
- Technical review on licensing documents
- Organization of an internal training on radioprotection to other sectors of the reactors coordination
- Inspection IEN – RR (done – Jan)
- Inspection CDTN – RR (planned – Jul)
- Inspection IPEN – 2xRR (planned – Aug)
- Parada Angra I – NPP (planned – Jun)
- Parada Angra II – NPP (planned – Dec)
- Environmental Inspection (done)
- Environmental Inspection (planned – Sep)
- Ecoradiology lab (planned)

Thank you

[gustavo.morais@cnen.gov.br](mailto:gustavo.morais@cnen.gov.br)

