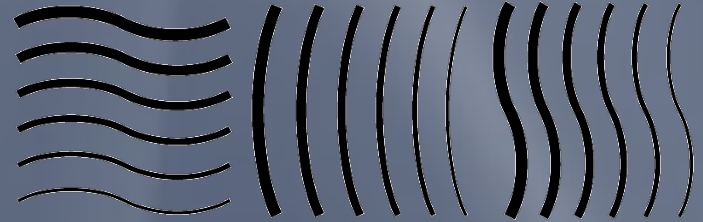


**Nederlandse Commissie voor
Stralingsdosimetrie**

Netherlands Commission on Radiation Dosimetry



Current NCS Subcommittees

And other activities

Two main Activities

- Platform
 - More government oriented activities
 - Subcommittees
 - More practical activities
- Practical question from the platform?
➔ NCS board ➔ subcommittee



NCS Platform Activities

- Risk Analysis
 - Models/SpreadSheets for
 - Radiology
 - Nuclear Medicine
 - Radiotherapy
 - ‘Category C’
 - Conversion factors for radiation protection aprons
 - Waist management (Nuclear Medicine)
- Will finish early next year?



Subcommittees

- Dosimetry
 - Stereotactic radiotherapy: Recommendations on dosimetry procedures and Quality Control
Chair: Stan Heukelom (VUmc, Amsterdam)
total 8 persons
 - Film Dosimetry
Chair: Carlos De Wagter (Ghent University Hospital)
total 8 persons
 - Dosimetry Audit
Chair: Thijs Perik (NKI-AVL, Amsterdam)
total 13 persons



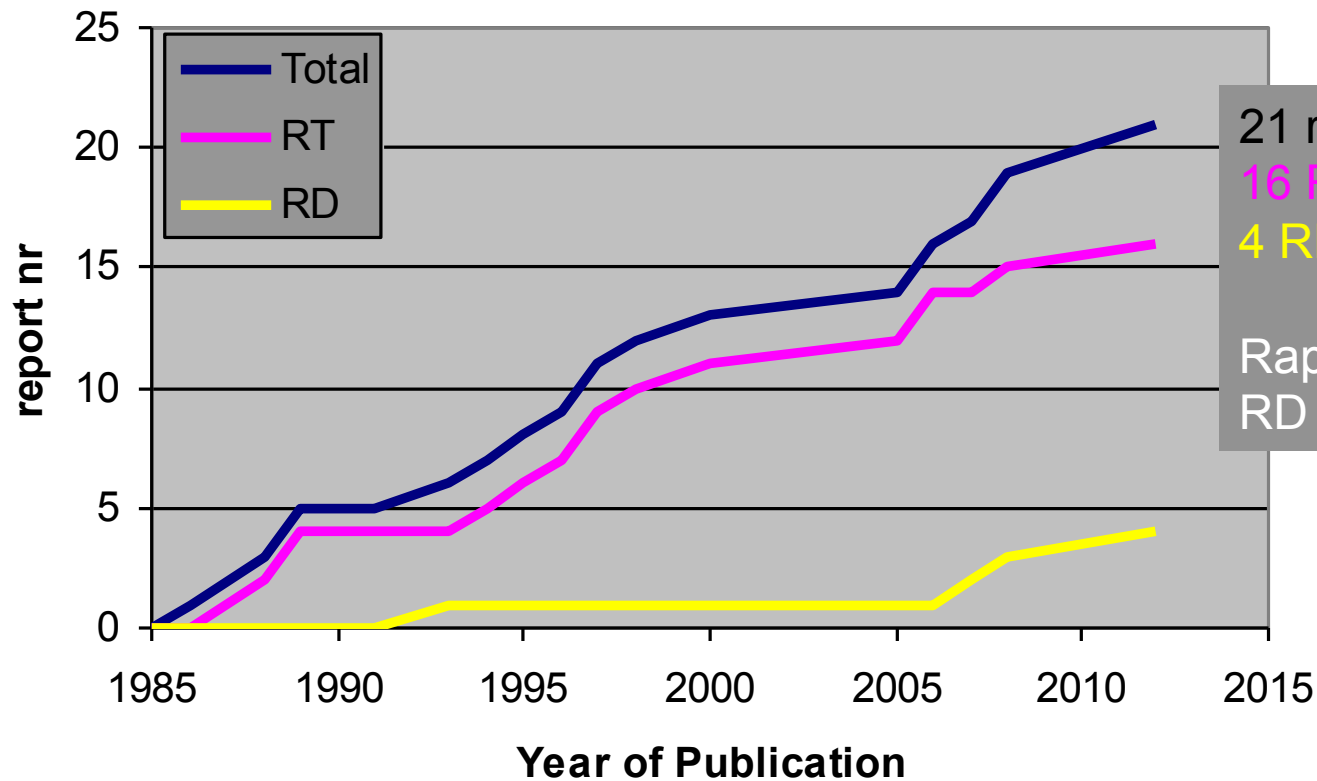
Subcommittees

- QA
 - Guidelines for Quality Assurance of Helical Tomotherapy
Chair: Vincent Althof (RISO, Deventer)
total 5 persons
 - IMRT Quality Assurance
Chair: Edwin van der Wal (RCWest, Den Haag)
total 9 persons
 - QA for Rotational IMRT
Chair: Anton Mans (NKI-AVL, Amsterdam)
total 9 persons
 - CBCT QA
Chair: Peter Remeijer (NKI-AVL, Amsterdam)
total 11 persons



NCS Reports

Published NCS reports



21 reports today

16 RT

4 RD

Rapid increase in
RD reports



The Realisation of a Report

- Takes time...

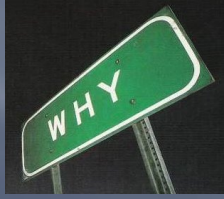


Time Span

- Somewhere between
 - ~ 4 years
 - ~ 9 years
- Sometimes even longer



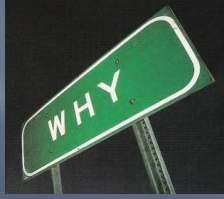
Why?



- Committee starts too soon
 - Do we get Proton Therapy in the Netherlands?
 - When are EBT films good enough for dosimetry?
- But starting too late renders the report obsolete!



Why?



- Volunteers' work
 - No payment
 - No commercial incentive/seduction
 - Backup from the boss...
 - ... but own job first
- Compromises need to be made!
 - Not too strict, nor too lenient
 - Applicable and usable for all Belgian and Dutch professionals
- But we want to be **complete** and **future** proof!



So...

- 4 years is not that bad!
- Something beautiful and unexpected may turn up



Henri Matisse initially painted
“*The Red Chamber*” in blue, as ordered...



Work in Progress

- Stereotactic radiotherapy: Recommendations on dosimetry procedures and Quality Control
 - Started 2006
 - Definitions agreed upon; outline proposed
 - Difficulties with end-to-end test: EBT films
- Film Dosimetry
 - Started 2008
 - New EBT films...
- Dosimetry Audit
 - Started 2008
 - Data collected; started writing...



Work in Progress

- Guidelines for Quality Assurance of Helical Tomotherapy
 - Started 2009
 - Stopped with Cyberknife QA
 - Started writing
- IMRT Quality Assurance
 - Started 2010
 - Outline clear, chapters are being written
- QA for Rotational IMRT (rather fertile group!)
 - Started 2011
 - Keeping each other informed on local new aspects
 - Outline setup, chapters are being written
- CBCT QA
 - Started 2012
 - Keeping each other informed on local new aspects



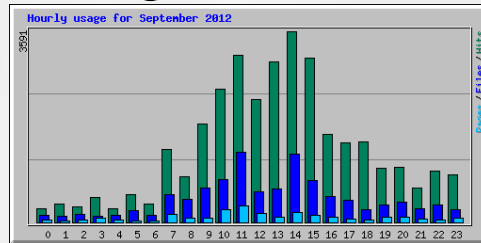
Subcommittees

- About 60 persons participate in subcommittees
- Some participate in more than one
- Evolution
 - Increase in Radiology contribution
 - More focus on Code of Practise: what **should** one do
 - More general QA instead of 'pure' dosimetry
 - Development of field standards

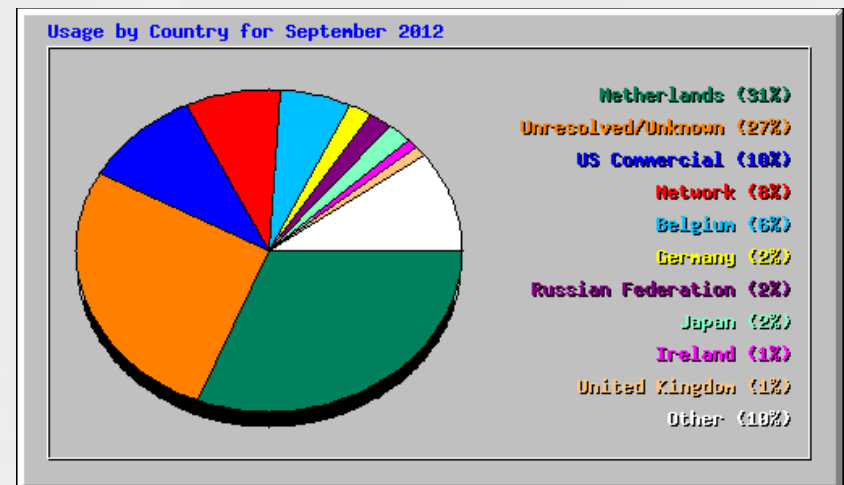
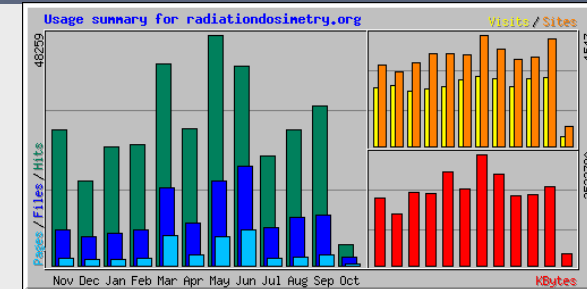


Website Statistics

- Website ~ 10 000 unique visits per year
- Usually during lunch break



- Also **commercial** interest in our reports?



Website Statistics

- Top five downloads in September 2012:

– Report 17 (Dosimetry in Radiology)	7228
– Report 15 (QA 3D TPS)	2719
– Report 12 (Scatter Correction MV beams)	2217
– Report 16 (Monte Carlo TPS)	1498
– Report 9 (QA of linacs)	1199

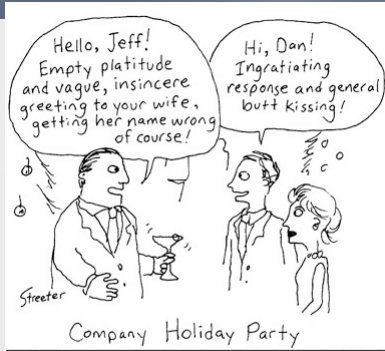


Conclusion

- The NCS is very much alive
- Input from radiology is valuable and increasing
 - Nuclear Medicine could increase as well
- NCS produces **practical** and **widely appreciated** reports



And now, what you've all been so patiently waiting for



Have a Nice Drink

