

	Contents of lecture
•	Current recommendations on education/training and professional development of the medical physicist in Europe
	How these are connected to the new European Basic Safety Standards and other relative European or national laws
	How these relate to the Med Phys 3.0 initiative
Í	Actions to develop Medical Physics profession throughout Europe beyond the European Radiation Protection Laws.
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ΑA	PM Newsletter — Volume 43 No. 4 — July   August 2018
	Medical Physics 3.0 is an initiative to push physics into new territories of scholarship and practice in medicine
	<ul> <li>This reality requires us first to be competent in what we are meant to do for medicine. Next, we must determine how we can make that sustainable from a workflow, technical resource, and financial standpoint. This is sustainable</li> </ul>
	excellence, one of the key objectives of MP3.0.

## Medical Physics 3.0, physics for every patient. *J Appl Clin Med Phys 2018; 19:6:4–5*• ..... Is quality and safety for clinical practice any less important than those for clinical trials? Physicists have the ability and skill to make their contributions more consistently excellent everywhere. But to do so, we need a stronger peer expectation, an explicit regulatory mandate, better tools, and models of effective practice. We have an opportunity to improve upon these needs through MP3.0......

Europoun omon
28 member countries of the EU
<ul> <li>The idea to make the European Union came after two big wars happened in Europe.</li> </ul>
<ul> <li>The European Union made it easier for people to move freely from one country to another.</li> </ul>
<ul> <li>They can live, study or work in any country of the European Union they want.</li> </ul>
<ul> <li>For example, a person from France can choose to move to Italy and work there.</li> </ul>
Or a student from Belgium can go study in a university in Greece.







## Key activities of the MPE according to the European Guidelines (2014)

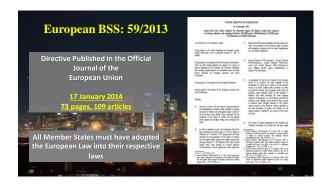
- 1. Scientific problem solving service.
- 2. Dosimetry measurements.
- 3. Patient safety / risk management.
- Occupational and public safety / risk management.
- 5. Clinical medical device management.
- 6. Clinical involvement.
- Development of service quality and costeffectiveness.
- 8. Expert consultancy.
- 9. Education of healthcare professionals.
- 10. Health technology assessment (HTA).
- 11. Innovation.



	wledge, Skills, Competences (KS	C) (European Parliament an			
EDUCATION  EQF Level 6 (e.g., Rachelor with 180 - 240 (E.g.) (E.g	in Medical Physics Specialty (v) Structured accredited clinical training residency in the specialty of Medical	ADVANCED EXPERIENCE and CPD EOF Level 8 in Medical Physics Specialty (vi) Structured accredited advanced experience and CPD in the specialty of Medical Physics in which the candidate seeks certification as MPE. The duration vould be an additional minimum of two full time year equivalences	RECOGNITION By Competent Authorities as MPE in Medical Physics specially (is)  RE-CERTIFICATION 5 year CPD cycle (b)		

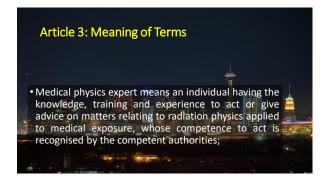






Medical exposure in special section:	
Chapter VII articles 55-64 (pages 25-28)	
1. Article 55: Justification	THE DEST SPRENGER OF THE PROPERTY OF THE PROPE
2. Article 56: Optimization	The state of the s
3. Article 57: Responsibilities	The Control of Control
4. Article 58: Procedures	Compared and Com
5. Article 59: Training and recognition	The second secon
6. Article 60: Equipment	La de de la companya del companya de la companya del companya de la companya del
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7. Article 61: Special practices	AND A STATE OF THE PROPERTY OF
Article 62: Special protection during pregnancy and breastfeeding	* Committee of the Comm
Article 63: Accidental and unintended exposures	The second secon
	F Transport (contract filter of the or ) is not the or ) is not the filter of the or ) is not the or ) is
10.Article 64: Estimates of population doses	* 1 to control of a 10 p pick to the second
Mr. Committee of the Co	14











European Federation of Organisations for Medical Physics (EFOMP) Policy Statement 12.1: Recommendations on Medical Physics Education and Training in Europe 2014. C.J. Caruana, S. Christofides, G.H. Hartmann

EFOMP strongly encourages its National Member Organizations to strive to ensure that the qualification frameworks and educational and training programmes in their respective states comply with the recommendations in this policy statement.

EFOMP policy statement 16: The role and competences of medical physicists and medical physics experts under 2013/59/EURATOM.

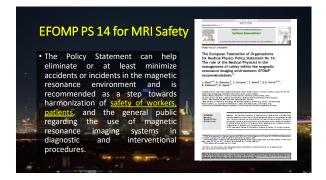
Coruana C.I. Tsapaki V. Domilakis J. Brambilla M., Martin GM, Dimov A, Bosmans H, Egan G, Bacher K, McClean B. Phys Med. 2018 Apry.88:162-168.

The present policy statement provides elaboration, explanation and comments regarding the provisions of the Directive relating to the role and competences (responsibilities) of MP.

MISSION STATEMENT

Medical Physicists and Medical Physics Experts will contribute to maintaining and improving the quality, sofety and cost-effectiveness of fleetithcare services through patient views required to the competency of the provision of the

































## VISION

Leading European research activities in medical radiation protection and harmonising clinical practice to advance the European radiation protection safety culture in medicine

## Improving medical care through sustainable research efforts in medical radiation protection Identifying common research areas Serving as a platform for medical radiation protection research Developing an aligned approach and response to European research calls







