



1st European EMF Forum Conference “Experience of 8 years with the EU Directive 2013/35/EU”

**A brief overview of the history and possible future of
Directive 2013/35/EU**

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A brief overview of the history and possible future of Directive 2013/35/EU

- Context
- History
- Present
- Possible future evolution
- Conclusions

Directive 2013/35/EU

Context

History

Present

Possible future evolution

Conclusions

DG Employment, Social Affairs & Inclusion

C.2 - Health and safety at work, EU-OSHA

- Advisory Committee on Safety and Health at Work (ACSH)
- Senior Labour Inspectors Committee (SLIC)



EU occupational safety and health (OSH) Legislation

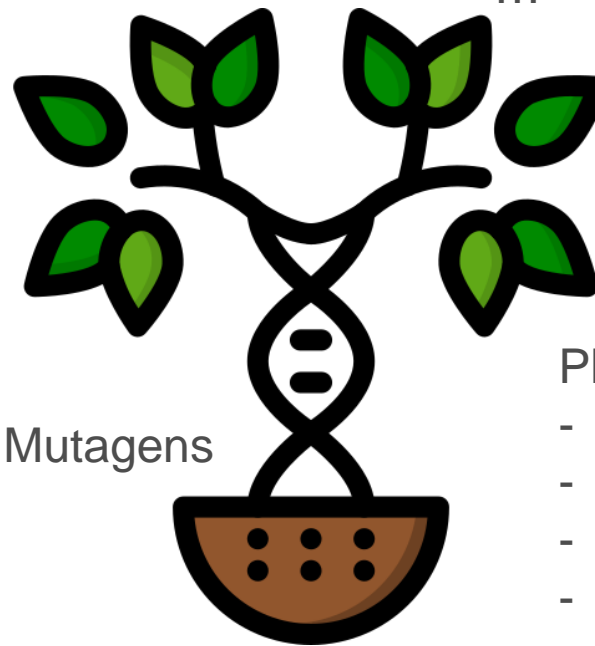
- **Minimum requirements**
- **Tripartite approach (ACSH)**

Workplaces
Work Equipment
Manual Handling of Loads
Personal Protective Equipment
Display Screen Equipment
Safety Signs
...

Chemical Agents
Carcinogens and Mutagens
Asbestos
Biological Agents
...

Construction
Fishing
Mining
...

Temporary Workers
Pregnant Workers
Young Workers
...



Physical Agents:
- Noise
- Vibrations
- Artificial Optical Radiation
- **EMF**

**Framework Directive
(Directive 89/391/ECC)**

Directive 2013/35/EU

Context

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Possible future evolution

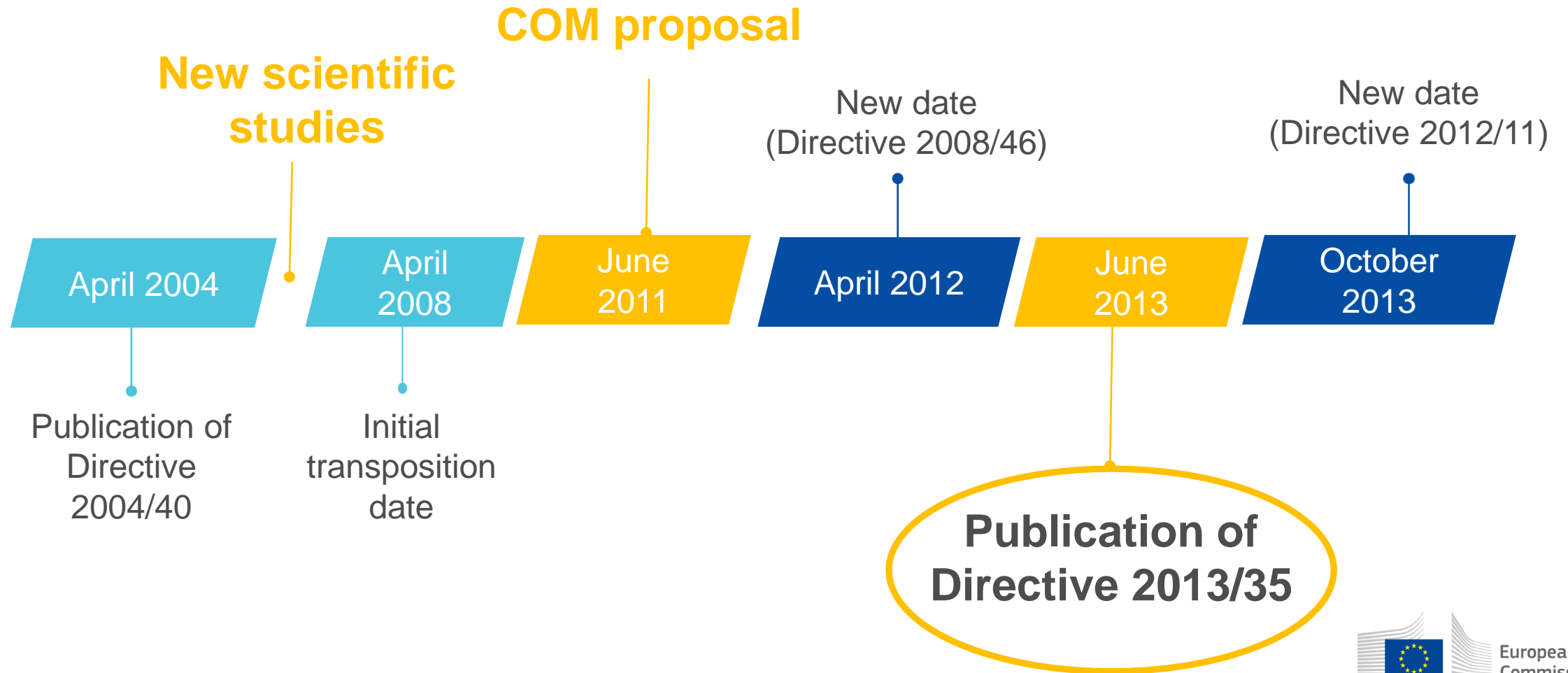
Conclusions



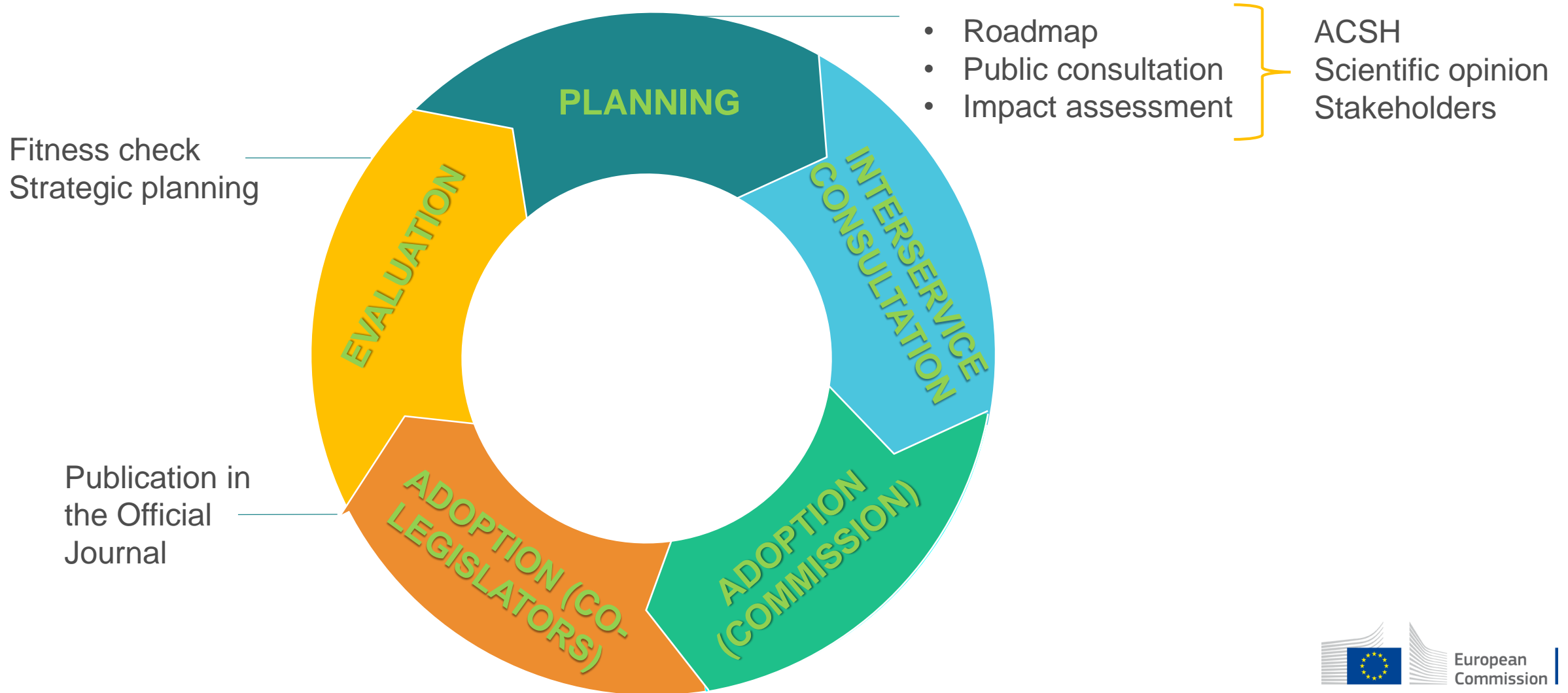
Directive 2013/35/EU repeals...

- **Directive 2004/40/EC** on the minimum health and safety requirements regarding the exposure of workers to the risks arising from EMF
- **Directive 2008/46/EC**, amending Directive 2004/40/EC
- **Directive 2012/11/EU**, amending Directive 2004/40/EC

Directive 2004/40/EC → Directive 2013/35/EU



Understanding the EU law making process



Directive 2013/35/EU

Context

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**CHAPTER I
GENERAL PROVISIONS**

**CHAPTER II
OBLIGATIONS OF EMPLOYERS**

**CHAPTER III
MISCELLANEOUS PROVISIONS**

**CHAPTER IV
FINAL PROVISIONS**

ANNEX I

**PHYSICAL QUANTITIES REGARDING THE EXPOSURE TO
ELECTROMAGNETIC FIELDS**

ANNEX II

NON-THERMAL EFFECTS

**EXPOSURE LIMIT VALUES AND ACTION LEVELS IN THE
FREQUENCY RANGE FROM 0 Hz TO 10 MHz**

ANNEX III

THERMAL EFFECTS

**EXPOSURE LIMIT VALUES AND ACTION LEVELS IN THE
FREQUENCY RANGE FROM 100 kHz TO 300 GHz**

ANNEX IV

Correlation table

Directive 2013/35/EU

Minimum requirements should be laid down, thereby giving Member States the option of maintaining or adopting more favourable provisions for the protection of workers, in particular by fixing lower values for the action levels (ALs) or the exposure limit values (ELVs) for electromagnetic fields. However, the implementation of this Directive should not serve to justify any regression in relation to the situation already prevailing in each Member State.

Minimum requirements

Article 10 Derogations

- Magnetic resonance imaging (MRI)
- Military installations/activities
- Duly justified circumstances

Article 15

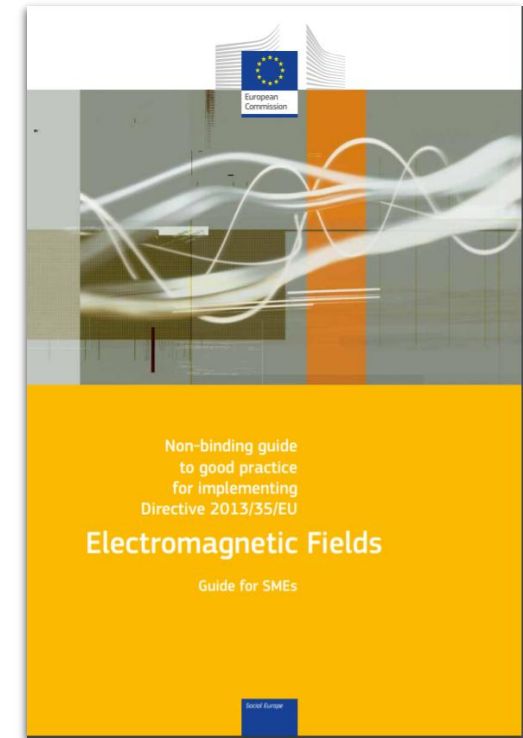
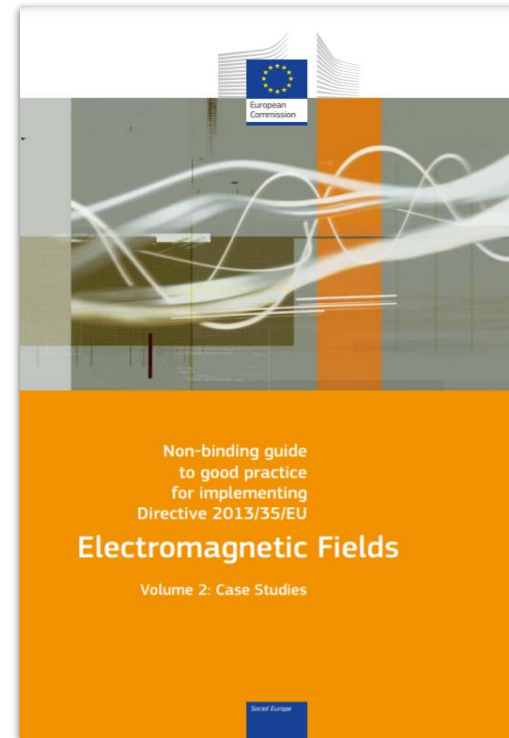
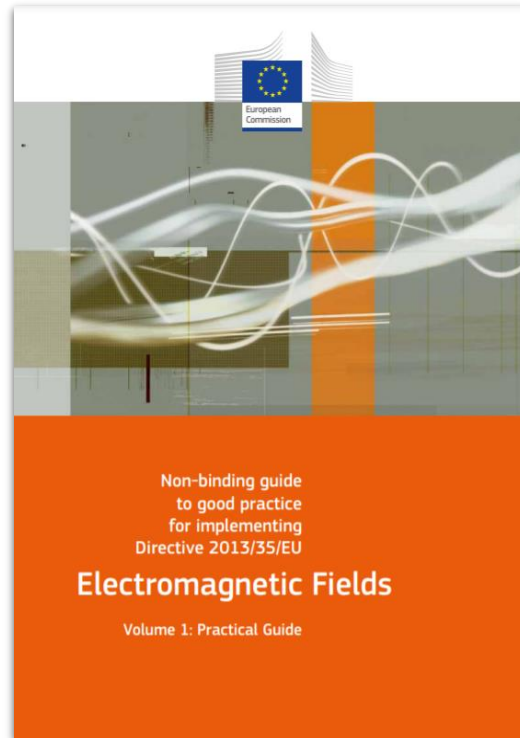
Review and reporting

Taking into account Article 1(4), the report on the practical implementation of this Directive shall be established in accordance with Article 17a of Directive 89/391/EEC.

National implementation reports

Practical guides

CHAPTER IV
FINAL PROVISIONS
Article 14
Practical guides



Directive 2013/35/EU

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ICNIRP GUIDELINES

FOR LIMITING EXPOSURE TO
ELECTROMAGNETIC FIELDS (100 kHz TO 300 GHz)

PUBLISHED IN: HEALTH PHYS 118(5): 483–524; 2020

PUBLISHED AHEAD OF PRINT IN MARCH 2020: HEALTH PHYS
118(00):000–000; 2020

March 2020

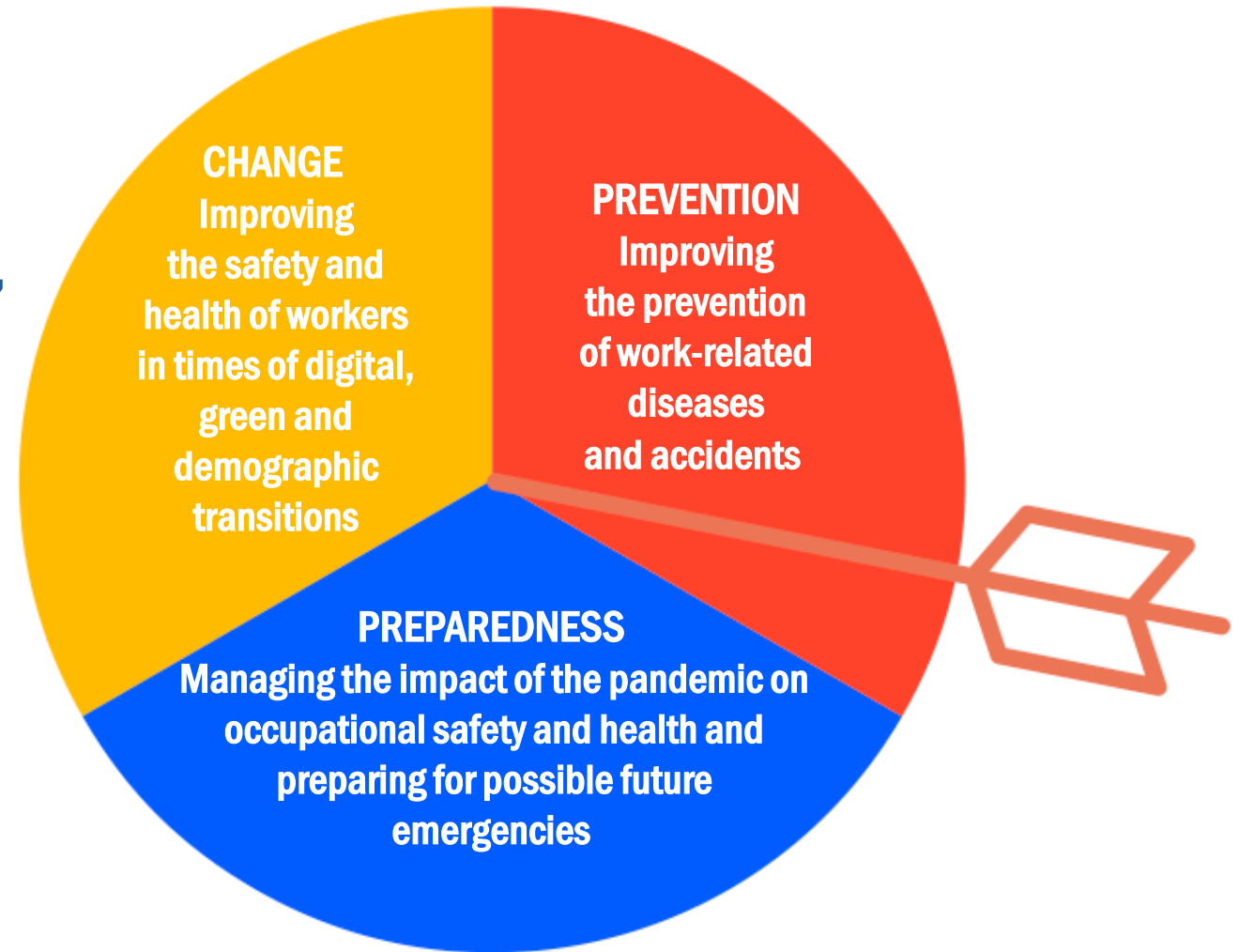
“The guidelines cover many applications such as 5G technologies, WiFi, Bluetooth, mobile phones, and base stations.

This publication replaces and supersedes the 100 kHz to 300 GHz part of the ICNIRP (1998) radiofrequency guidelines, as well as the 100 kHz to 10 MHz part of the ICNIRP (2010) low-frequency guidelines.”

The new strategic framework on health and safety 2021-2027

Adopted in June 2021

3 cross-cutting objectives





Modernising and simplifying EU OSH rules in the context of the green and digital transitions

Changing forms of work, stemming among others from digitalisation, with an important increase of the population working remotely, will also require new and updated OSH solutions. The rapid deployment of wireless, mobile and other advanced technologies – and the increased use of such devices for work purposes – require further analysis of workers' exposure to optical radiation and electromagnetic fields, and of possible adverse health effects in the case of more powerful appliances.

Scientific Committee on Health, Environmental and Emerging Risks (SCHEER)

Scientific Committee on Health, Environmental and Emerging Risks (SCHEER)

Request for a scientific Opinion on

Potential health effects of exposure to electromagnetic fields (EMF)

- Mandate: July 2021
- Selection of external experts on EMF
- Stakeholders participation

2. Terms of reference

The scientific committee SCHEER is consulted on the need of a (technical) revision of the Council Recommendation 1999/519/EC annexes and of the annexes of Directive 2013/35/EU in view of the latest scientific evidence available, in particular the ICNIRP guidelines updated in 2020¹⁴ with regard to radio frequency (100 kHz to 300 GHz).

Opinion I

To advise on the need of a (technical) revision of the Council Recommendation 1999/519/EC annexes and of the annexes of Directive 2013/35/EU in view of the latest scientific evidence available, in particular that of the ICNIRP-guidelines updated in 2020, with regard to radio frequency 100 kHz to 300 GHz.

Opinion II

To update the SCENIHR Opinion of 2015 in the light of the latest scientific evidence with regard to frequencies between 1Hz and 100 kHz.

3. Deadline

Preliminary Opinion I: July 2022

Preliminary Opinion II: July 2023

Directive 2013/35/EU

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Conclusions



Need of a technical revision of the **annexes** of Directive 2013/35/EU?



Scientific advice



Stakeholders participation

Thank you



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